

IP 6981
Plant Inventory No. 171

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., May 1968



**PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1963
(NOS. 285531 TO 294438)**

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This inventory, No. 171, lists the plant material (Nos. 285531 to 294438) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1963. The inventory is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities, and obvious synonymy. Questions related to the names published in the inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit an herbarium specimen with flowers and fruit for reidentification.

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INVENTORY

285531 and 285532.

From India. Plants presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 2, 1963.

285531. PRUNUS SALICINA L. Amygdalaceae. Japanese plum.
'Jamuni'.

285532. PRUNUS PERSICA (L.) Batsch Peach.
'Sherbati'.

285533. MALUS SYLVESTRIS Mill. Malaceae.

From Sweden. Rooted cuttings presented by Fredrik Nilsson, Alnarp, Akarp. Received Jan. 2, 1963.

A-2.

285534. BRACHYOTUM STRIGOSUM (L. f.) Triana Melastomataceae.

From Colombia. Seeds collected by J. Wurback, Paramo de Chisaca. Received Jan. 11, 1963.

285535 to 285538. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Jan. 15, 1963.

285535. 'Preta Marilia'.

285536. 'Roxo'.

285537. 'Tatu'.

285538. 'Tatu Creme'.

285539. PHLEUM PRATENSE L. Poaceae. Timothy.

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Jan. 21, 1963.

Geneva No. 62903. Selection from P.I. 251846, from Italy. Plants vigorous, hardy, leafy, 10 by 28 inches, semiprostrate, stooled out; leaves narrow, grayish green. Resistant to *Puccinia graminis* var. *phlei-pratensis*.

285540. PHLEUM PRATENSE L. Poaceae. Timothy.

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Jan. 21, 1963.

Geneva No. 62904. Selection from P.I. 267063, from Poland. Plants hardy, uniform, vigorous, 25 by 20 inches; leaves dark green; fall recovery excellent. Resistant to *Puccinia graminis* var. *phlei-pratensis*.

285541 to 286076.

From Poland. Seeds presented by the Instytut Hodowli i Aklimatyzacji Roslin, Warsaw. Received Jan. 16, 1963.

285541 to 285544. ALLIUM CEPA L. Liliaceae. Onion.

285541. 'Wolska, Chodow'.

285542. 'Wolska, Czerniakow'.

285543. 'Wolska, Selecta'.

285541 to 286076—Continued

285544. 'Wolska, Ulrich'.
 285545. ALLIUM PORRUM L. Leek.
 285546. APIUM GRAVEOLENS L. Apiaceae. Celery.
 'Jablkowy'.
 285547. ARRHENATHERUM ELATIUS (L.) Presl Poaceae. Tall oatgrass.
 'Antoninski'. Received as *Avena elatior*, a synonym.
 285548. AVENA SATIVA L. Poaceae. Common oats.
 'Pulawski'.
 285549. ARRHENATHERUM ELATIUS (L.) Presl Poaceae. Tall oatgrass.
 'Wieclawicki'.
 285550 to 285568. AVENA SATIVA L. Poaceae. Common oats.
 Received as var. *auera*.
 285550. 'Antoninski Najwczesniejszy'.
 285551. 'Antoninski Pozny'.
 285552. 'Bartek Udycki'.
 285553. 'Bialy Sielecki'.
 285554. 'Charkowskij 0596'.
 285555. 'Czakinskaja'.
 285556. 'Dolnoslaski'.
 285557. 'Jubileuszowy Wieclawicki'.
 285558. 'Kosak'.
 285559. 'Najwczesniejszy Niemierczanski'.
 285560. 'Pomorski Zloty'.
 285561. 'Przeboj I'.
 285562. 'Przeboj II'.
 285563. 'Pulawski Sredniorychly'.
 285564. 'Pulawski Wczesny'.
 285565. 'Rychlik Trybanski'.
 285566. 'Svaloefs Samenhavre'.
 285567. 'Udycz Nowy 96'.
 285568. 'Udycz Zolty'.
 285569 to 285573. AVENA SATIVA var. ARISTATA Schlecht.
 285569. 'Dluzewski'.
 285570. 'Gorczański Biały'.
 285571. 'Koiciecki'.
 285572. 'Ligowo Sielecki'.
 285573. 'Mlochowski'.
 285574 and 285575. AVENA SATIVA var. FLAVA Koern.
 285574. 'Proporzycy'.
 285575. 'Zlotniak' (Krosno).
 285576 to 285582. AVENA SATIVA var. MUTICA Schlecht.
 285576. 'Irbit'.
 285577. 'Kolumb'.
 285578. 'Pomorski Pozny'.

285541 to 286076—Continued

285579. 'Rychlik Kazarowski'.
 285580. 'Segerhavre'.
 285581. 'Solacki Wczesny'.
 285582. 'Weihenstephaner'.
 285583. *AVENA SATIVA* var. *OBTUSATA* Alef.
 'Zielony'.
 285584. *AVENA STRIGOSA* Schreb.
 'Tatry'.
 285585. *AVENA* sp.
 B. D.
 285586. *AVENA* sp.
 K. 38.
 285587. *AVENA* sp.
 'Stopka'.
 285588. *AVENA* sp.
 'Trzebrunia'.
 285589 to 285591. *BETA VULGARIS* L. Chenopodiaceae. **Beet.**
 285589. 'Epipski Freege'.
 285590. 'Epipski Hoser'.
 285591. 'Okragly Ciemnoczerwony'.
 285592 to 285595. *BETA VULGARIS* var. *CRASSA* DC.
 285592. 'Strzelecki I HAR'.
 285593. 'Udycki Zolty Walcowaty'.
 285594. 'Walcowaty Zolty Granum'.
 285595. 'Walcowaty Zolty PZHR'.
 285596. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Broccoli.**
 No. 30.
 285597 to 285601. *BRASSICA OLERACEA* var. *CAPITATA* L. **Cabbage.**
 285597. 'Amager Chodow'.
 285598. 'Amager Ulrich'.
 285599. 'Grebalska'.
 285600. 'Pierwszy Zbior'.
 285601. 'Stulecie Ulricha'.
 285602. *BRASSICA OLERACEA* var. *ACEPHALA* DC. **Kale.**
 'Krasa'.
 285603 to 285610. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
 285603. 'Delikates, Spojnia'.
 285604. 'Delikates, Ulrich'.
 285605. 'Monastyrski, Chodow'.
 285606. 'Monastyrski, Freege'.
 285607. 'Monastyrski, Ulrich'.
 285608. 'Nochowski Szklarniowy'.
 285609. 'Przybyszewski'.
 285610. 'Warszawski Inspektowy'.

285541 to 286076—Continued

285611. CUCURBITA PEPO L. Cucurbitaceae. Pumpkin.
- 285612 to 285618. DAUCUS CAROTA L. var. CAROTA Apiaceae. Carrot.
285612. 'Amager'.
285613. 'Amsterdamska'.
285614. 'Lenka'.
285615. 'Londynska'.
285616. 'Nantejska'.
285617. 'Perfekcja'.
285618. 'Pierwszy Zbior'.
- 285619 to 285623. DAUCUS CAROTA var. SATIVA DC.
285619. 'Biala Zielonoglowa PZHR'.
285620. 'Biala Zielonoglowa SWHN'.
285621. 'Lobberychska, Busczynski'.
285622. 'Lobberychska, SWHN'.
285623. 'St. Valery'.
- 285624 and 285625. HORDEUM DISTICHON var. NUDUM L. Poaceae.
285624. 'Mlochowski Nagi'.
285625. 'Podhala 33'.
- 285626 to 285639. HORDEUM DISTICHON var. PALMELLA Harlan
285626. 'Krakowski'.
285627. 'Opolski 152/246'.
285628. 'Antalek'.
285629. 'Bornyna'.
285630. 'Browarny IHAR'.
285631. 'Futtergerste Morgenroth'.
285632. 'Kazimierski'.
285633. 'Mazowiecki'.
285634. 'Pucki'.
285635. 'Pulawski Browarny 246'.
285636. 'Refleks'.
285637. 'Rod 17 Kn'.
285638. 'Sandomierski'.
285639. 'Skrzeszowicki'.
- 285640 to 285649. HORDEUM VULGARE var. PALLIDUM Seringe
285640. 'Grodkowicki'.
285641. 'Kostek'.
285642. 'Kujawiak I'.
285643. 'Milkulicki'.
285644. R 62 B.
285645. R 145/181.
285646. R W 112.
285647. 'Slaski I'.
285648. 'Slaski II'.
285649. 'Urbanowicki'.

285541 to 286076—Continued

- 285650 to 285657. *LACTUCA SATIVA* L. Cichoriaceae. Garden lettuce.
285650. As 44.
285651. 'Boettnera'.
285652. 'Bronowicka'.
285653. 'Cud Voorburgu'.
285654. 'Dippego'.
285655. 'Krolowa Majowych'.
285656. 'Nochowska'.
285657. 'Rakowicka'.
285658. *LACTUCA VIROSA* L.
- 285659 to 285690. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
285659. 'Ailsa Craig'.
285660. 'All Clear'.
285661. 'Carrick'.
285662. 'Casaque Rouge'.
285663. 'Charkowski'.
285664. E. S. 1.
285665. E. S. 5.
285666. 'Gruntowyj Gribowski'.
285667. 'Harbinger'.
285668. 'Immun'.
285669. 'Iregi Korai'.
285670. 'Keskemeti'.
285671. 'Krakowski Wczesny'.
285672. 'Majak'.
285673. N.D.A.C.
285674. 'Niedrige Busch'.
285675. No. 10.
285676. No. 99.
285677. 'Oktiabronok'.
285678. 'Perfecta'.
285679. 'Pierrette'.
285680. 'Planowyj'.
285681. 'Plowdiwska Konserwa'.
285682. 'Puszkinski'.
285683. 'Rakowicki'.
285684. 'Reine des Hatives'.
285685. 'Seelandia'.
285686. 'Singh Cross'.
285687. 'Sztambowyj Alpatiewa'.
285688. 'Westlandia'.
285689. 'Zaria'.
285690. 'Zoltoowocowy 802'.
- 285691 and 285692. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.

285541 to 286076—Continued

285691. 'Mamut'.
 285692. 'Rakowicka'.
 285693 to 285701. *PHASEOLUS VULGARIS* var. *NANUS* Martens Fabaceae.
 285693. 'Biala Wyborowa'.
 285694. 'Bronowicka'.
 285695. 'Itota Saxa'.
 285696. 'Krakowska'.
 285697. 'Perlowka'.
 285698. 'Quittlinga'.
 285699. 'Saxa'.
 285700. 'Saxa-Hoser'.
 285701. 'Wiejska'.
 285702. *PHYSALIS AEQUATA* Jacq. f. ex Nees Solanaceae. Groundcherry.
 285703. *PHYSALIS ALKEKENGII* L. Strawberry groundcherry.
 285704. *PHYSALIS TRANCHETII* Masters Lantern groundcherry.
 285705. *PHYSALIS PERUVIANA* L. Peruvian groundcherry.
 285706 to 285749. *PISUM SATIVUM* L. Fabaceae. Garden pea.
 285706. 'Bulawa'.
 285707. 'Ceser'.
 285708. 'Czwartkowy Polny'.
 285709. 'Jeleniecki'.
 285710. 'Kujawski Pozny'.
 285711. 'Kujawski Wczesny'.
 285712. 'Sielecki'.
 285713. 'Tabu'.
 285714. 'Wiktoria Pzhr'.
 285715. 'Zolty Olbrzymi'.
 285716. 'Nieznanicka Jasna'.
 285717. 'Nieznanicka Ciemna'.
 285718. 'Pomorska'.
 285719. 'Przebedowska Oliwkowa'.
 285720. 'Pulawska Slodka No. 2'.
 285721 to 285725. *Commune medullare* varieties.
 285721. 'Beta'.
 285722. 'Konserwowy I har'.
 285723. 'Lincoln'.
 285724. 'Lincoln-Freege'.
 285725. 'Szlachetna Perla Nochowo'.
 285726 and 285727. *Commune medullare sphaerospermum* varieties.
 285726. 'De Grace Luskowy Freege'.
 285727. 'Majowy'.
 285728 to 285745. *Glaucospermum medullare* varieties.
 285728. 'Brilliant'.
 285729. 'Chocklik'.

285541 to 286076—Continued

285730. 'Cud Ameryki'.
 285731. 'Cud Kelwedonu'.
 285732. 'Delex'.
 285733. 'Deli'.
 285734. 'Delicatess'.
 285735. 'Delisa-Freege'.
 285736. 'Delisa II'.
 285737. 'Foli'.
 285738. 'Hada'.
 285739. 'June Wonder'.
 285740. 'Juvel'.
 285741. 'Sprinter'.
 285742. 'Stratogen'.
 285743. 'Syrenka'.
 285744. 'Wando'.
 285745. 'Zenith'.
 285746 to 285748. *Glavensopermum medullare sphaerospermum* varieties.
 285746. 'Express Karlowy'.
 285747. 'Konservenkonigin'.
 285748. 'Szesciotygodniowy'.
 285749. 'De Grace Cukrowy Freege'.
 285750 and 285751. *SPINACIA OLERACEA* L. *Chenopodiaceae*. **Spinach.**
 285750. 'Bloomsdale'.
 285751. 'Koda'.
 285752 to 285755. *TRITICUM* (hybrids). *Poaceae*.
 285752. *Triticale* M 1.
 285753. *Triticum* × *Agropyron* 599.
 285754. *Triticale* 'Pszennyto 218'.
 285755. *Triticum* 'Pulawska Twarda' × *T. aestivum*.
 285756 to 286059. *TRITICUM AESTIVUM* L. **Common wheat.**
 285756. 'Barbarossa'.
 285757. 'Knusiku'.
 285758. 'Wysokolitewka Pulawska'.
 285759. 'Ara'.
 285760. 'Biala Genealogiczna'.
 285761. 'Biala Kaszubaska'.
 285762. 'Biala Krukowska'.
 285763. 'Bialy Kruzyz'.
 285764. 'Brzostowianka'.
 285765. 'Cyzowska'.
 285766. 'Dan'.
 285767. 'Danuta'.
 285768. 'Dankowska 31'.
 285769. 'Dankowska Idealna'.

285541 to 286076—Continued

- 285770. 'Dankowska Graniatka'.
- 285771. 'Danłowska Selekcyjna'.
- 285772. 'Ebersbacher Weiss'.
- 285773. 'Edel Epp Markowicka'.
- 285774. 'Ekstra Markowicka'.
- 285775. 'Graniatka Zachodnia'.
- 285776. 'Ina'.
- 285777. 'Ina II'.
- 285778. 'Juliana'.
- 285779. 'Kanadyjska'.
- 285780. 'Konstancja Antoninska'.
- 285781. 'Konstancja Granum'.
- 285782. 'Konstancja Krukowska'.
- 285783. 'Konstancja Selekty'.
- 285784. 'Konstancja Wieclawicka'.
- 285785. 'Konstancja Wierzbinska'.
- 285786. 'Ksiezna Eleonora'.
- 285787. 'Litwinka'.
- 285788. 'Mazurska R. 1506'.
- 285789. 'New Jersey'.
- 285790. 'Niewylegajaca'.
- 285791. 'Ninka'.
- 285792. 'Ostka Gruboklosa'.
- 285793. 'Otto Pitsch'.
- 285794. 'Pulawska Wczesna'.
- 285795. 'Rabinka'.
- 285796. 'Rurik Wiebulla'.
- 285797. 'Sobieszynska 44'.
- 285798. 'Stuart'.
- 285799. 'Szlachetna Bobinska'.
- 285800. 'Wolynianka Wczesna'.
- 285801. 'Wysokolitewka Antoninska'.
- 285802. 'Wysokolitewka Kleszczynskich'.
- 285803. 'Wysokolitewka Miejskowa'.
- 285804. 'Wysokolitewka Oltarzewska'.
- 285805. 'Wysokolitewka Sztynnosloma'.
- 285806. 'Wysokolitewka Wieclawicka'.
- 285807. 'Zaturzecka Biala'.
- 285808. 'Zlota Maczuga'.
- 285809. 'Zofia Sobieszynska'.
- 285810. 'Anita'.
- 285811. 'Akuotuotej'.
- 285812. 'Arisnegro'.
- 285813. 'Banatka Kresowa'.

285541 to 286076—Continued

- 285814. 'Banatka Rawska'.
- 285815. 'Bankuti 1201'.
- 285816. 'Bankutska Cit 1205'.
- 285817. 'Bregan 77'.
- 285818. 'Betabancuti'.
- 285819. 'Betana'.
- 285820. 'Bulgar'.
- 285821. 'Bulgar 11'.
- 285822. 'Bulgar 301'.
- 285823. 'Czerwona z ZSRR'.
- 285824. 'Diurable'.
- 285825. 'Edel Epp'.
- 285826. 'Erythrospermum 341'.
- 285827. 'Erythrospermum 0211'.
- 285828. 'Erythrospermum 917'.
- 285829. 'Esterhazy'.
- 285830. 'Fulkosten'.
- 285831. 'Glutenowa Ryzowa'.
- 285832. 'Gnatrache M. A.'.
- 285833. 'Gwiazda'.
- 285834. 'Hatvani 1119'.
- 285835. 'Hildebrands 30'.
- 285836. 'Hatvani 9/35/2'.
- 285837. 'Hybryd 481 z ZSRR'.
- 285838. 'Inar'.
- 285839. 'Karcegi'.
- 285840. 'Kazimierska Ostka Czerwona'.
- 285841. 'Kipilowo'.
- 285842. 'Klevi 47/87'.
- 285843. 'Klevi 49/554'.
- 285844. 'Klevi 50/650'.
- 285845. 'Kneza 159'.
- 285846. 'Kneza 301'.
- 285847. 'Kometa'.
- 285848. 'Kooperatorka Sel. M.A.'.
- 285849. 'Kostromka'.
- 285850. 'Lebeny X'.
- 285851. 'Lin Calel M.A.'.
- 285852. 'Lwowianka'.
- 285853. 'Malgorzatka Udycka'.
- 285854. N.B.
- 285855. 'Niva'.
- 285856. No. 81.
- 285857. 'Nowokrymka'.

285541 to 286076—Continued

- 285858. 'Odesskaja 3'.
- 285859. 'Odesskaja 16'.
- 285860. 'Odwoszcz'.
- 285861. 'Oordynatka'.
- 285862. 'Ostka Chlopicka'.
- 285863. 'Ostka Gruboklosa'.
- 285864. 'Ostka Kazimierska'.
- 285865. 'Ostka Kleszczewska'.
- 285866. 'Ostka Kutnowska'.
- 285867. 'Ostka Lopuska'.
- 285868. 'Ostka Pokucka'.
- 285869. 'Ostka Polanowicka'.
- 285870. 'Ostka Popularna'.
- 285871. 'Ostka Pulawska'.
- 285872. 'Ostka Sieburczanska'.
- 285873. 'Ostka Skomoroska'.
- 285874. 'Ostka Strzelecka'.
- 285875. 'Ostka Suska'.
- 285876. 'Ostka Wieclawicka'.
- 285877. 'Ostka Wierzbianska'.
- 285878. 'Podkarpacka'.
- 285879. 'Poilu du Farn'.
- 285880. 'Radosinska'.
- 285881. 'Rusalka'.
- 285882. 'Sadovrea'.
- 285883. 'Slovenska 777'.
- 285884. 'Slovenska Intensive'.
- 285885. 'Slovenska 200'.
- 285886. 'Sofia No. 11'.
- 285887. 'Stojkiste'.
- 285888. 'Tvordica 14'.
- 285889. 'Udyczanka Biala'.
- 285890. 'Vackova'.
- 285891. 'Vieglassko'.
- 285892. 'Wilobo'.
- 285893. 'Ziemka'.
- 285894. 'Zlotnicka'.
- 285895. 'Nowonkrainka'.
- 285896. 'Akakkowa Aka'.
- 285897. 'Antoniska S 46'.
- 285898. 'Borisowa'.
- 285899. 'Breisgauer Begrannter Roter Land'.
- 285900. 'Czerwona Bulgarska'.
- 285901. 'Ferrugineum No. 7'.

285541 to 286076—Continued

- 285902. 'Ferrugineum No. 1201.
- 285903. 'Golgana'.
- 285904. 'Gruboziarnista'.
- 285905. 'Hodoninska Halina'.
- 285906. 'Hodoninska Osinatka'.
- 285907. 'Ibrido'.
- 285908. 'Miejseowa Ostka z Jagielnicy'.
- 285909. 'Mokren'.
- 285910. 'Murzynka Lipinskiego'.
- 285911. 'Mydlniczanka'.
- 285912. 'Orange'.
- 285913. 'Ostka Gorczanska'.
- 285914. 'Ostka Grodkowicka'.
- 285915. 'Ostka Mikulicka'.
- 285916. 'Ostka Zlotoklosa'.
- 285917. 'Rikun'.
- 285918. 'Rod Wegierski Odporny Na Rdze'.
- 285919. 'Russa 165'.
- 285920. 'Selekty Nepochare Jarni Rouska'.
- 285921. 'Stylowa'.
- 285922. 'Tryumf Mikulic'.
- 285923. 'Zidlochowska Jubilejna Osinatka'.
- 285924. 'O. S. Jankowskiege'.
- 285925. 'Ostka Krukowska'.
- 285926. 'Adlungs Hohenheimer'.
- 285927. 'A. G. Lutescens'.
- 285928. 'Bastard II'.
- 285929. 'Biala Kleszczewska'.
- 285930. 'Biala Koszycka'.
- 285931. 'Bogatka'.
- 285932. 'Carstens VI'.
- 285933. 'Chudoskaja'.
- 285934. 'Cicin 186'.
- 285935. 'Cimbals Grossherzog' v. 'Sachsen'.
- 285936. 'Derenburger'.
- 285937. 'Derenburger Silber'.
- 285938. 'Dobrochna Wloszanowska'.
- 285939. 'Doreburger Heils Dickkopf'.
- 285940. 'Dotnuskaja'.
- 285941. 'Ermisch Fruhreif'.
- 285942. 'Francuska Czerwona'.
- 285943. 'Glutenowa'.
- 285944. 'Gorzowska Sztyrona'.
- 285945. 'Gorzowska Wczesna'.

285541 to 286076—Continued

- 285946. 'Grono'.
- 285947. 'Hadmerslebener IV'.
- 285948. 'Hadmerslebener VIII'.
- 285949. 'Hanacka'.
- 285950. 'Hauters II'.
- 285951. 'Heges Bazalt'.
- 285952. 'Heines IV'.
- 285953. 'Heines VI'.
- 285954. 'Heines Kolben'.
- 285955. 'Hochland'.
- 285956. 'Hodonin Universal'.
- 285957. 'Hospodar'.
- 285958. 'Hostianum 237'.
- 285959. 'Hybride de Centenaire'.
- 285960. 'Jedyna'.
- 285961. 'Jubilenszowa Wieclawicka'.
- 285962. 'Kings Red'.
- 285963. 'Kleinwanzlebener'.
- 285964. 'Kludowska 22006'.
- 285965. 'Kolchoznica'.
- 285966. 'Komorowska'.
- 285967. L 875.
- 285968. 'Lesczcyńska Wczesna'.
- 285969. 'Lichts Weihestephaner Fruher'.
- 285970. 'Loewing Tarwe Holender'.
- 285971. 'Lozinka Mikulicka'.
- 285972. 'Lutescens IX'.
- 285973. 'Lutescens 062 z Saratowa'.
- 285974. 'Lutescens 1866'.
- 285975. 'Lutescens 02595'.
- 285976. 'Lutescens 3329'.
- 285977. 'Lutescens 4365'.
- 285978. 'Lutescens 25430'.
- 285979. 'Lutescens z ZSRR'.
- 285980. 'Magnatka'.
- 285981. 'Malborska'.
- 285982. 'Miejscowa z Lubelszczyzny'.
- 285983. 'Nadgoplanka'.
- 285984. 'Nagradowicka'.
- 285985. 'Nordost Samland'.
- 285986. 'Olza'.
- 285987. 'Perbete'.
- 285988. 'Piaskowa'.
- 285989. 'Polnocna'.

285541 to 286076—Continued

- 285990. 'Pomorzanka'.
- 285991. 'Poznanianka'.
- 285992. 'Pornbacher Graf Toerring'.
- 285993. 'Prinz Leopold'.
- 285994. 'Protos Stieglera'.
- 285995. 'Przodownica'.
- 285996. 'Punk'.
- 285997. 'Rokicka'.
- 285998. 'Rumkers Dickkopf'.
- 285999. 'Ruska'.
- 286000. 'Ryselka'.
- 286001. 'Salzmunder Standard'.
- 286002. 'Saumur de Mars'.
- 286003. 'Sieburczynska'.
- 286004. 'Slaska IV'.
- 286005. 'Sloneczna ze Svaloef'.
- 286006. 'Sowiecka'.
- 286007. 'Strubes General' v. 'Stocken'.
- 286008. 'Sturmweizen'.
- 286009. 'Sudentenweizen'.
- 286010. 'Szwedzka Czerwona'.
- 286011. 'Szwedzka Roznorodna'.
- 286012. 'Turecka Biala'.
- 286013. 'Tystoffe'.
- 286014. 'Visnovska'.
- 286015. 'Weiselburger Kolbenweizen'.
- 286016. 'Wieseilopodolanskaja'.
- 286017. 'Wislawicka Wczesna'.
- 286018. 'Wiktoria Hildebranda'.
- 286019. 'Wirtus Winterweissen'.
- 286020. 'Znajda Jelenska'.
- 286021. 'Ackermanns Bauernkonig'.
- 286022. 'Brovick'.
- 286023. 'Ceska Presiwka'.
- 286024. 'Chlumecka'.
- 286025. 'Czerwona Stieglera'.
- 286026. 'Dobrowicka 10'.
- 286027. 'Dobrovicka B II'.
- 286028. 'Drogerowa B I 32'.
- 286029. 'Drottungsweizen'.
- 286030. 'For East 32996'.
- 286031. 'Galegorapado'.
- 286032. 'Herold'.
- 286033. 'Jagna'.

285541 to 286076—Continued

286034. 'Jurska Golica'.
 286035. 'Kesslers Fruher Roter Som.-Weiz'.
 286036. 'Kosticka'.
 286037. 'Kraffts Siegerlander'.
 286038. 'Krakowianka'.
 286039. 'Kujawianka Wieclawicka'.
 286040. 'Landweizen'.
 286041. 'Langs Trubilo'.
 286042. 'Mahndorfer Burgunder'.
 286043. 'Masters Squaerehead'.
 286044. 'Opolska'.
 286045. 'Rabamelleki Tajtajta'.
 286046. 'Roter Schlaustedter'.
 286047. 'Seleckty Presivka'.
 286048. 'Stauderers Markus'.
 286049. 'Szelejewska'.
 286050. 'Tourelle Rouge de Provence'.
 286051. 'Viestura'.
 286052. 'Zdzislawka'.
 286053. 'Zelazna'.
 286054. 'Zwartka Szankowskich'.
 286055. 'IR Hildebranda'.
 286056. 'Bielocerkowskaja'.
 286057. 'Haynes Bluestem'.
 286058. 'Raciniewska'.
 286059. 'Succula'.
 286060. TRITICUM AESTIVUM var. SPELTA (L.) Thell.
 286061. TRITICUM DICOCCUM Schrank Emmer.
 286062. TRITICUM DURUM var. AFFINE (Koern.) Stolet.
 286063. TRITICUM DURUM var. APULICUM (Koern.) Stolet.
 286064 and 286065. TRITICUM DURUM var. HORDEIFORME Metzg.
 286064. '010 z Ekaterinoslawia'.
 286065. 'Hela'.
 286066. TRITICUM DURUM var. LEUCURUM (Alef.) Stolet.
 286067. TRITICUM DURUM var. MELANOPUS (Alef.) Stolet.
 286068. TRITICUM MONOCOCCUM L.
 286069. TRITICUM ORIENTALE var. INSIGNE Percival
 286070. TRITICUM PERSICUM (Boiss.) Aitch. & Hemsl. Persian wheat.
 286071. TRITICUM PERSICUM var. RUBIGINOSUM Zhuk.
 286072. TRITICUM PYRAMIDALE Percival
 286073. TRITICUM TIMOPHEEVII (Zhuk.) Zhuk.
 286074 to 286076. TRITICUM TURGIDUM L. Poulard wheat.
 286074. No data.

285541 to 286076—Continued

286075. 'Dziwo'.

286076. 'Bagudo 9032'.

286077 to 286093. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received Jan. 17, 1963.

286077. H-60-9925. 286086. H-60-9934.

286078. H-60-9926. 286087. H-60-9937.

286079. H-60-9927. 286088. H-60-9938.

286080. H-60-9928. 286089. H-60-9939.

286081. H-60-9929. 286090. H-60-9940.

286082. H-60-9930. 286091. H-60-9942.

286083. H-60-9931. 286092. H-60-9943.

286084. H-60-9932. 286093. H-60-9944.

286085. H-60-9933.

286094 to 286096. HORDEUM VULGARE L. Poaceae.

From France. Seeds presented by the Station d'Amelioration des Plantes, Clermont-Ferrand. Received Jan. 21, 1963.

286094. 'Ariel'. Spring type.

286095. 'Ceres'. Spring type.

286096. No. 72. Winter type.

286097. ZIZYPHUS JUJUBA Mill. Rhamnaceae. Jujube.

From Burma. Seeds presented by the United States Embassy, Rangoon. Received Jan. 21, 1963.

Originally from India.

286098. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Nigeria. Seeds presented by the United States Agency for International Development, Lagos. Received Jan. 21, 1963.

'Zuarungu'. Resistant to *Septoria lycopersici*.**286099 to 286108. SOLANUM MELONGENA L. Solanaceae. Eggplant.**From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Jan. 24, 1963. All are S₅ generation.

286099. No. 62-46-2. Selection from P.I. 169650, from Turkey. Plants 39 inches by 27 inches; fruits purple, sausage shaped, 13 inches by 2 inches, to 4 per plant. Highly tolerant of verticillium wilt.

286100. No. 62-48-2. Selection from P.I. 169650, from Turkey. Plants 40 inches by 36 inches; fruit purple, curved, sausage shaped, 12 inches by 2 inches, to 7 per plant. Highly tolerant of verticillium wilt.

286101. No. 62-49. Selection from P.I. 169650, from Turkey. Plants 44 inches by 30 inches; fruits purple, curved, sausage shaped, 10 inches by 2 inches, to 6 per plant. Highly tolerant of verticillium wilt.

286102. No. 62-53-1. Selection from P.I. 169650, from Turkey. Plants 50 inches by 38 inches; fruits purple, straight, sausage shaped, 11 inches by 2 inches, to 3 per plant. Highly tolerant of verticillium wilt.

286103. No. 62-58-7. Selection from P.I. 169666, from Turkey. Plants 38 inches by 50 inches; fruits straight to curved, sausage shaped, 10 inches by 4 inches, to 10 per plant, purple. Highly tolerant of verticillium wilt.

286099 to 286108—Continued

- 286104.** No. 62-59-12. Selection from P.I. 169666, from Turkey. Plants 37 inches by 38 inches; fruits purple, straight, sausage shaped, 10 inches by 3 inches, to 11 per plant. Highly tolerant of verticillium wilt.
- 286105.** No. 62-60-12. Selection from P.I. 169666, from Turkey. Plants 31 inches by 47 inches; fruits purple, curved, sausage shaped, 10 inches by 4 inches, to 6 per plant. Highly tolerant of verticillium wilt.
- 286106.** No. 62-63-1. Selection from P.I. 171851, from Turkey. Plants 22 inches by 41 inches; fruits purple, straight, sausage shaped, 9 inches by 3 inches. Highly tolerant of verticillium wilt.
- 286107.** No. 62-65-7. Selection from P.I. 176759, from Turkey. Plants 29 inches by 48 inches; fruits purple, straight, sausage shaped, 9 inches by 2 inches, very prolific. Highly tolerant of verticillium wilt.
- 286108.** No. 62-67-4. Selection from P.I. 204731, from Turkey. Plants 31 inches by 45 inches; fruits purple, straight, sausage shaped, 11 inches by 3 inches, to 10 per plant. Highly tolerant of verticillium wilt.

286109 and 286110.

From Hong Kong. Seeds presented by the University of California, Riverside, Calif. Received Jan. 24, 1963.

286109. *FICUS HIRTA* Vahl Moraceae.

286110. *FICUS* sp.

286111 to 286113. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From New Guinea. Seeds presented by the Department of Stock and Fisheries, Konedohy, Papua. Received Jan. 25, 1963.

286111. N.G. 4370. 'R-63'. From the Institute de Recherches pour les Huiles & Oleagineux, Paris. Plant to 8 feet high, thorny, heavy yielding; seed pods indehiscent; seeds very large, unusually marked. Oil content 44.5 percent; acidity 0.25 percent.

286112. N.G. 4815. 'Kemdis'. From South Africa. Plants to 5 feet high, thornless, prolific; seed pods indehiscent, clusters large. Adapted to a wide range of growing conditions, provided rainfall is not 22 inches. Growing season 130 days. Resistant to leaf blights.

286113. N.G. 5228. 'Pacific No. 4'. From South Africa. Plant to 6 feet high, thorny, drought resistant; seed pods prolific. Growing season 160 days. Resistant to leaf blights.

286114. PHASEOLUS AUREUS Roxb. Fabaceae.**Mung bean.**

From Peru. Seeds presented by the Camara de Comercio Agriculture y Industrias de la Provincia de Pacasmayo, Pacasmayo. Received Jan. 25, 1963.

286115 and 286116. TRIFOLIUM PRATENSE L. Fabaceae.**Red clover.**

From Canada. Seeds presented by the Dominion Arboretum and Botanic Garden, Ottawa, Ontario, and held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 25, 1963.

286115. C.A.N. 5024. 'Ottawa'. Plants vigorous, productive, uniform, not completely winter hardy, double cut type, good seed producer. Has resistance to *Sclerotinia libertiana*.

286116. C.A.N. 5177. 'Redon'. Plants vigorous, uniform, leafy, single cut type, good seed producer, not completely winter hardy. Resistant to mosaic, *Sclerotinia*, mildew and rust.

286117. HORDEUM VULGARE L. Poaceae.

From Ethiopia. Seeds presented to the University of California, Davis, Calif., by I. E. Siegenthaler, Jimma. Received Jan. 25, 1963. No. S-12. Bishoftu village, Debre Zeit, Shoa Province.

286118. AGROPYRON INTERMEDIUM (Host) Beauv. Poaceae.
Intermediate wheatgrass.

From Denmark. Seeds presented by the Universitetets Botaniske Have, Copenhagen. Received Jan. 25, 1963.

286119 to 286135. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received Jan. 24, 1963. Numbered Jan. 28, 1963.

286119. H 60-9935.	286128. H 60-9954.
286120. H 60-9936.	286129. H 60-9955.
286121. H 60-9941.	286130. H 60-9956.
286122. H 60-9945.	286131. H 60-9958.
286123. H 60-9947.	286132. H 60-9959.
286124. H 60-9948.	286133. H 60-9960.
286125. H 60-9949.	286134. H 60-9961.
286126. H 60-9951.	286135. H 60-9963.
286127. H 60-9952.	

286136. CHRYSANTHEMUM (hybrid). Asteraceae.

From China. Plants collected and presented by an anonymous donor, Taiwan. Received June 20, 1958. Numbered Jan. 28, 1963.

'Buddhist Priest's Gown'. Yellow quill. Virus free.

286137. CHRYSANTHEMUM (hybrid). Asteraceae.

From Great Britain. Plants presented by Frampton's, Chichester, England, Received May 20, 1958. Numbered Jan. 28, 1963.

'Orange Sweetheart'. Early English type, informal, decorative, orange pink. Virus free.

286138 to 286141. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received Jan. 24, 1963. Numbered Jan. 28, 1963.

286138. 51-760.	286140. 54-775.
286139. 52-4610.	286141. 2508.

286142 to 286155.

From the Canary Islands. Cuttings presented by the Orotava Botanic Gardens, Tenerife. Received Dec. 27, 1962. Numbered Jan. 28, 1963.

286142 to 286152. HIBISCUS ROSA-SINENSIS L. Malvaceae. Chinese hibiscus.

Flower descriptions:

286142. Bright red, double, small.	286148. Red, double (Porte Bajo).
286143. Bright red, single.	286149. Red, double, large.
286144. Lilac colored, double.	286150. Salmon, single.
286145. Pale red, single.	286151. Type.
286146. Pale rose against velvet.	286152. Yellow, single.
286147. Pale salmon, double.	

286153. HIBISCUS SCHIZOPETALUS Hook. f. Fringed hibiscus.

286154. HIBISCUS SYRIACUS L. Shrub-althea.

Flowers bluish.

286155. HIBISCUS TILIACEUS L. Linden hibiscus.

286156 to 286158.

From the Canary Islands. Seeds presented by the Orotava Botanic Gardens, Tenerife. Received Jan. 28, 1963.

286156. *HIBISCUS CALCYNUS* Willd. Malvaceae.
 286157. *HIBISCUS MUTABILIS* L. Cotton rosemallow.
 286158. *HIBISCUS ROSA-SINENSIS* L. Chinese hibiscus.

286159 to 286163.

From Japan. Seeds presented by the Department of Agriculture, Kyushu University, Fukuoka. Received Jan. 28, 1963.

286159. *ILEX MONTANA* var. *MACROPODA* (Miq.) Fernald Aquifoliaceae.
 Received as *I. macropoda*, a synonym. Kasuyagun, Fukuoka.
 286160. *MAGNOLIA SIEBOLDII* K. Koch Magnoliaceae. Oyama magnolia.
 Mt. Hikosan, Fukuoka Prefecture.
 286161. *VIBURNUM DILATATUM* Thunb. Caprifoliaceae. Linden viburnum.
 Tawaragun, Fukuoka.
 286162. *VIBURNUM EROSUM* Thunb.
 Tawaragun, Fukuoka.
 286163. *VIBURNUM JAPONICUM* (Thunb.) Spreng.
 Miyazaki Prefecture.

286164 to 286170.

From the Union of Soviet Socialist Republics. Seeds presented by the Botanical Garden, Armenia Soviet Socialist Republic. Received Jan. 28, 1963.

286164. *ALLIUM AKAKA* Gmel. Liliaceae.
 286165. *ALLIUM ALBIDUM* Fisch.
 286166. *ALLIUM FUSCOVIOLACEUM* Fom.
 286167. *ALLIUM KARSIANUM* Fom.
 286168. *ALLIUM KUNTHIANUM* Vved.
 286169. *ALLIUM MATERCULAE* Bordzilowski
 286170. *ALLIUM PSEUDOAMPELOPRASUM* Misczenko ex. Grossheim

286171. PHALARIS AMETHYSTINA Trin. Poaceae.

From Argentina. Seeds presented by the Direccion General de Produccion y Fomento Agricola, Buenos Aires. Received Jan. 28, 1963.

C.P.I. 25776.

286172 to 286178. ORYZA SATIVA L. Poaceae. Rice.

From El Salvador. Seeds presented by the Ministerio de Agricultura y Ganaderia, Centro Nacional de Agronomia, San Salvador. Received Jan. 28, 1963.

286172. 'Early Dima'. 286176. 'Nilo No. 2'.
 286173. 'Improved Dima'. 286177. 'Nilo No. 10'.
 286174. 'Krakty'. 286178. P.G. 503.
 286175. 'Nilo No. 1'.

286179 to 286181. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Brazil. Seeds presented by the Instituto da Agricultura do Estado de Sao Paulo, Campinas. Received January 28, 1963.

286179. 'Mamonfira H 2'.

286180. 'Mamonfira H 30'.

286181. 'Mamonfira LRP 38-1'.

286182 to 286187. SESAMUM INDICUM L. Pedaliaceae. Sesame.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received January 28, 1963.

286182. Plant 143-1. F₁ from backcross No. 45 × 'Renner 15', different parents. One capsule per node, long.

286183. Plant 161-1. F₃ from the cross No. 45 × 'Renner 15'. Three capsules per node, long.

286184. Plant 164-1. F₃ plant. Same cross as for P.I. 286183.

286185. Plant 164-2. F₃ plant. Same cross as for P.I. 286183. Three capsules per node, 4 locules per capsule, early.

286186. Row 151. F₁ plants of the backcross: (No. 45 × 'Renner 15'). Indehiscent F₂ × No. 45. Selfed seed.

286187. Row 152. Same as row 151 but different plants used for the backcross. Selfed seed.

286188 to 286194. ORYZA SATIVA L. Poaceae. Rice.

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanagawa. Received January 28, 1963.

286188. 'Choko-to'. 286192. 'Pi No. 1'.

286189. 'Homare-nishiki'. 286193. 'Tadukan'.

286190. 'Kanto No. 51'. 286194. 'Usen'.

286191. 'Norin No. 22'.

286195. SORGHUM sp. Poaceae.

From Thailand. Seeds collected and presented by the Hawaiian Sugar Planters' Association, Honolulu. Received Jan. 29, 1963.

286196. BECKEROPSIS PETIOLARIS (Hochst.) Fig. et de Not. Poaceae.

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 29, 1963.

Col. No. 8031. Field, edge of Tippi village, Illubabor Province. 7° N. lat. 35° E., long. Elevation 4,150 feet. Plant to 7 feet high, somewhat tillered at base; spikelets pendulous, reddish.

286197. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Iraq. Seeds presented by the Plant Breeding Department, Cornell University, Ithaca, N.Y. Received Jan. 29, 1963.

'Ajeba 210'. Most popular milling wheat in country; from Agronomy Department, College of Agriculture, Abu-Ghraile, Baghdad.

286198 to 286202.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Pullman, Wash. Numbered Jan. 29, 1963.

286198 to 286202—Continued

- 286198.** *AGROPYRON SPICATUM* (Pursh) Scribn. & Smith Poaceae. **Bluebunch wheatgrass.**

Collected on eastern, quartzite slope, Steptoe Butte, Whitman County, Wash. Elevation 3,000 feet. Palome prairie association. Annual precipitation 20 inches. Plant stems stiff, numerous; seed production heavy.

- 286199.** *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**

Received from Kuwait via the Agricultural Experiment Station, Logan, Utah.

- 286200.** *ELYMUS AGROPYROIDES* Presl Poaceae.

Received from the Castillo Farm, Chile, via the Agricultural Experiment Station, Reno, Nev.

- 286201.** *ELYMUS ANTARCTICUS* Hook f.

Received from the Castillo Farm, Chile, via the Agricultural Experiment Station, Reno, Nev.

- 286202.** *STIPA NEVADENSIS* B. L. Johnson Poaceae.

Collected in Twin Lakes area, near Bridgeport, Calif.

286203 to 286217.

From Czechoslovakia. Seeds presented by the Botanicka Zahrada University, Karlovy, Prague. Received Jan. 29, 1963.

- 286203.** *CORONILLA VARIA* L. Fabaceae. **Crownvetch.**

- 286204.** *DORONICUM AUSTRIACUM* Jacq. Asteraceae.

- 286205.** *FESTUCA ALTISSIMA* All. Poaceae.

- 286206.** *FESTUCA GIGANTEA* (L.) Vill. **Great fescue.**

- 286207.** *FESTUCA OVINA* var. *DURIUSCULA* (L.) Koch **Hard fescue.**

- 286208.** *FESTUCA RUBRA* L. **Red fescue.**

- 286209.** *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel **Shade fescue.**

- 286210.** *POA PRATENSIS* L. Poaceae. **Kentucky bluegrass.**

- 286211.** *POA PRATENSIS* L. **Kentucky bluegrass.**

- 286212.** *VICIA DUMETORUM* L. Fabaceae.

- 286213.** *VICIA HIRSUTA* (L.) S. F. Gray **Tiny vetch.**

- 286214.** *VICIA PISIFORMIS* L.

- 286215.** *VICIA SYLVATICA* L.

- 286216.** *VICIA TENUIFOLIA* Roth.

- 286217.** *VICIA TETRASPERMA* (L.) Moench

286218 to 286221. *PYRUS COMMUNIS* L. Malaceae.

From Italy. Cuttings presented by Arturo Ansaloni, Bologna. Received Jan. 29, 1963.

- 286218.** 'Butirra di Roma'. **286220.** 'Scipiona'.

- 286219.** 'Decana d'Inverno'. **286221.** 'Spina Carpi'.

286222. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

From Canada. Seeds presented by the Dominion Arboretum and Botanic Garden, Ottawa, Ontario, and held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 29, 1963.

C.A.N. 5027. 'Altaswede'. Plants vigorous, productive, uniform, late flowering, single cut type, good seed producer. Plants fairly hardy and make good spring recovery.

286223. *LEUCAENA PULVERULENTA* Benth. Mimosaceae.

From the United States. Seeds collected in 1961 and presented by W. A.

286223—Continued

Slick, University Station, Kingsville, Tex. Received Jan. 29, 1963.

Trees on College of Arts and Industries campus.

286224 to 286231. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From Ghana. Seeds collected by D. W. Fishler, United States Department of Agriculture, Belle Glade, Fla. Received Jan. 29, 1963.

286224. No. 1. Near Navrongo. Plants to 15 feet high, reportedly late maturing.

286225. No. 2. Navrongo. Stems red.

286226. No. 3. Navrongo. Commonly grown for food and fiber.

286227. No. 4. Navrongo. Harvested green.

286228. No. 5. North Tamale. Reportedly early maturing.

286229. No. 6. Wa. Flowered 11-1-62. Late maturing, reportedly best for fiber.

286230. No. 7. Wa. Fiber type.

286231. No. 8. Possible mixed varieties.

286232 to 286245. SORGHUM BICOLOR (L.) Moench Poaceae.

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received Jan. 29, 1963.

286232. I. S. 1029. 53-165-1.

286233. I. S. 1054. 'Maldadi 35-1'.

286234. I. S. 1057. 'Bassi-3-8-2'.

286235. I. S. 1068. 'Bhalmuri'.

286236. I. S. 1069. 'Khandi'.

286237. I. S. 1073. 'Rati Athani'.

286238. I. S. 1080. 'Koregaon 2-2-3'.

286239. I. S. 1081. 'Wai 3-6-2'.

286240. I. S. 1082. 'Barshi 3-8-2'.

286241. I. S. 1083. 'Karad 7-12-3'.

286242. I. S. 1122. 'Karad Local'.

286243. I. S. 1151. 'Aispuri'.

286244. I. S. 2300. 'Hegeri Seifi'.

286245. I. S. 3572. 'Zerazera'.

286246 to 286247. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Kenya. Seeds presented by the Experiment Station, Kisumu. Received Jan. 29, 1963.

286246. 'Homa Bay'. OICRB Accession T 1518.

286247. 'Uganda Bunch'. OICRB Accession T 1519.

286248. LEUCAENA LANCEOLATA S. Wats. Mimosaceae.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 29, 1963.

Col. No. 19645. Near Rio Grande Santiago and Highway 15, Nayarit. Fast growing small tree or shrub with freely seeding infructescences at branch ends.

286249 and 286250.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Jan. 29, 1963.

286249 and 286250—Continued

286249. *DOVYALIS CAFFRA* (Hook. & Harv.) Warb. Flacourtitaceae.

286250. *MUSA DAVYAE* Stapf Musaceae. **Banana.**

**286251 to 286261. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.
Tomato.**

From Great Britain. Seeds presented by the Glasshouse Crops Research Institute, Rustington, Littlehampton, Sussex, England. Received Jan. 29, 1963.

286251. 'Ailsa Craig'. Plants indeterminate, vigorous, early maturing; fruit small, good color and flavor; seeds produce to 25 percent rogue plants. Susceptible to *Cladosporium*. Grown in cool greenhouses.

286252. 'Harbinger'. Plants indeterminate, vigorous, early maturing; fruit small, good color and flavor. Grown outdoors.

286253. 'Potentate'. Plants indeterminate, medium vigor; fruit large, poor quality. Grown on sterile soil in warm greenhouse. Used in breeding.

286254. 'Potential'. Plants indeterminate, vigorous; fruits medium large.

286255. 'Moneymaker'. Plants indeterminate, medium vigor, late maturing; fruit medium size. Grown in warm and cool greenhouses.

286256. E.S. 1. Plant indeterminate, vigorous; fruit good quality. Used as pollen parent.

286257. E.S. 5. Plant indeterminate, very vigorous; fruit medium size, good flavor; seed may produce to 25 percent rogues. Prone to *Cladosporium*.

286258. G.C.R. 2. Plant indeterminate, compact; fruit medium size, firm. Sterile soil recommended.

286259. G.C.R. 26. Plant indeterminate, vigorous, early maturing; fruit small, good color and flavor; seeds may produce 25 percent rogues. Prone to *Cladosporium*.

286260. G.C.R. 27. Plant indeterminate; fruit large. Sterile soil recommended.

286261. G.C.R. 28. Plant indeterminate; compact. Sterile soil recommended.

286262 to 286286. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Peru. Seeds presented by the Estacion Experimental Agropecuaria de Lambayeque, Lambayeque. Received Jan. 30, 1963.

Seeds from F₁ crosses.

286262. 'Argentino' × 'Chiclayo 1'.

286263. 'Argentino' × 'Rexoro'.

286264. 'Bluebonnet 50' × 'Fortuna'.

286265. 'Bluebonnet 50' × 'Mas'.

286266. 'Century Patna 231' × 'Bluebonnet 50'.

286267. 'Chiclayo 1' × 'Minagra'.

286268. 'Fortuna' × 'Long Guar Jim'.

286269. 'Fortuna' × 'Mas'.

286270. 'Fortuna' × 'Minagra'.

286271. ('Fortuna' × 'Minagra L 32') × 'Bengawen'.

286272. 'Lambayeque 1' × 'Bengawen'.

286273. 'Lambayeque 1' × 'Bluebonnet 50'.

286274. 'Lambayeque 1' × 'Fortuna'.

286262 to 286286—Continued

286275. 'Lambayeque 1' × 'Lambayeque 2'.
 286276. 'Lambayeque 1' × 'Long Guar Jim'.
 286277. 'Lambayeque 1' × 'Toro'.
 286278. 'Lambayeque 2' × 'Fa Yui Tsai'.
 286279. 'Lambayeque 2' × 'Toro'.
 286280. 'Mas' × 'Chiclayo'.
 286281. 'Minabir 2' × 'Bengawen'.
 286282. '5 Months' × 'Mas'.
 286283. 'Nato' × 'Century Patna 231'.
 286284. 'Nato' × 'Rexoro'.
 286285. 'Toro' × 'Fortuna'.
 286286. 'Toro' × 'Long Guar Jim'.

286287 to 286307.

From the Ivory Coast. Seeds presented by the Institut d'Enseignement et de Recherches Tropicales, Abidjan. Received Jan. 30, 1963.

286287. CAJANUS CAJAN (L.) Millsp. Fabaceae. **Pigeonpea.**
 No. 204.
 286288. CALOPOGONIUM MUCUNOIDES Desv. Fabaceae.
 No. 205.
 286289. CENTROSEMA PUBESCENS Benth. Fabaceae.
 No. 216.
 286290 and 286291. CHLORIS GAYANA Kunth Poaceae. **Rhodesgrass.**
 286290. No. 93.
 286291. No. 417.
 286292. CROTALARIA JUNCEA L. Fabaceae. **Sunn-hemp.**
 No. 222.
 286293. ERAGROSTIS CURVULA (Schrad.) Nees Poaceae. **Weeping lovegrass.**
 No. 427.
 286294. GLYCINE JAVANICA L. Fabaceae.
 No. 111.
 286295. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae.
 No. 151.
 286296. LEUCAENA sp.
 No. 167.
 286297 and 286298. PHASEOLUS AUREUS Roxb. Fabaceae. **Mung bean.**
 286297. No. 43.
 286298. No. 121.
 286299 and 286300. PHASEOLUS CALCARATUS Roxb. **Rice bean.**
 286299. No. 46.
 286300. No. 47.
 286301. PHASEOLUS LATHYROIDES L.
 No. 122.
 286302 and 286303. PHASEOLUS LUNATUS L. **Lima bean.**

286287 to 286307—Continued

286302. No. 48.

286303. No. 50.

286304 and 286305. PHASEOLUS MUNGO L.

Urd.

286304. No. 51. LY No. 1.

286305. No. 52. LY No. 2.

286306. PHASEOLUS TRILOBATUS (L.) Schreb.

No. 146.

286307. PHASEOLUS sp. Fabaceae.

No. 120.

286308 to 286333.

From Ghana. Seeds collected by D. W. Fishler, United States Department of Agriculture, Belle Glade, Fla. Received Jan. 31, 1963.

286308. CROTALARIA sp. Fabaceae.

Tumu. Plant green.

286309. HIBISCUS CANNABINUS L. Malvaceae.

Kenaf.

Near Navrongo. Early maturing; leaves edible.

286310. HIBISCUS ESCULENTUS L.

Okra.

Aboaso.

286311 to 286320. HIBISCUS SABDARIFFA L.

Roselle.

286311. Garden near Aboaso. Edible type.

286312. Near Ejura. Late variety.

286313. Han. Edible type.

286314. Kumasi.

286315. Navrongo. Late maturing, red stemmed.

286316. Pong-Tamale.

286317. Tumu.

286318. Wa.

286319. Wa. Edible type.

286320. Wa. Harvested green.

286321. HIBISCUS sp.

Aframso, in jungle area. Plants to 20 feet high, branchless.

286322. HIBISCUS sp.

Near Bolgotanga. Wild type.

286323. HIBISCUS sp.

Ejura.

286324. HIBISCUS sp.

Forest area south of Ejura.

286325. HIBISCUS sp.

Han.

286326. HIBISCUS sp.

Pong-Tamale.

286327. HIBISCUS sp.

Tamale. No. 1.

286308 to 286333—Continued

286328. *HIBISCUS* sp.
Tamale. No. 2.
286329. *HIBISCUS* sp.
Near Tamale.
286330. *HIBISCUS* sp.
North Tamale.
286331. *TEPHROSIA* sp. Fabaceae.
Tumu. Jungle near Han.
286332. *TEPHROSIA* sp.
South Tumu.
286333. *URENA LOBATA* L. Malvaceae.
Near Ejura. Commercial variety.

286334 to 286345. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received Jan. 31, 1963.

- | | |
|--------------------|--------------------|
| 286334. H 60-9964. | 286340. H 60-9974. |
| 286335. H 60-9966. | 286341. H 60-9975. |
| 286336. H 60-9968. | 286342. H 60-9977. |
| 286337. H 60-9969. | 286343. H 60-9978. |
| 286338. H 60-9970. | 286344. H 60-9979. |
| 286339. H 60-9971. | 286345. H 60-9980. |

286346 to 286349. FRAGARIA (hybrids). Rosaceae.

From Great Britain. Plants presented by the Scottish Horticultural Research Institute, Auchincruive, Ayr, Scotland. Received Feb. 4, 1963.

286346. No. 11.
286347. 5 YC 33. 'Templar' Auch 57-C33.
286348. 52AC 18.
286349. 53Q 13.

286350 to 286383.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Countries of origin as indicated. Numbered Feb. 5, 1963.

- 286350 to 286380. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**
Presented by Northrup King & Co., Minneapolis, Minn.
286350. A-113. Afghanistan.
286351. A-114. 'Albaida'. Spain.
286352. A-115. 'Alt Frankische'. Germany.
286353. A-116. 'Apasco'. Mexico.
286354. A-117. 'Aragon'. Spain.
286355. A-118. Argentina.
286356. A-119. Australia.
286357. A-120. Australia.
286358. A-121. Australia.
286359. A-122. 'Banet'. Yugoslavia.
286360. A-123. Czechoslovakia.

286350 to 286383—Continued

286361. A-124. 'Dryland'. Australia.
 286362. A-125. 'Elche'. Spain.
 286363. A-126. 'Espanola'. Spain.
 286364. A-127. Greece.
 286365. A-128. 'Hairy Peruvian'. Israel.
 286366. A-129. 'Hungarian White Sealed'. Hungary.
 286367. A-130. 'Hunter River'. Australia.
 286368. A-131. 'Laguina'. Tripoli.
 286369. A-132. 'Oaxaca'. Mexico.
 286370. A-133. 'Prerovska'. Czechoslovakia.
 286371. A-134. 'Sazova'. Turkey.
 286372. A-135. 'Flemande' type. France.
 286373. A-136. 'Stapicka'. Czechoslovakia.
 286374. A-137. 'Totana'. Spain.
 286375. A-138. 'Northern France'. France.
 286376. A-139. 'Socheville Recolt'. France.
 286377. A-140. 'Daughine'. France.
 286378. A-141. 'Flemande'. France.
 286379. A-142. 'Languede'. France.
 286380. A-143. 'Flemish'. France.

286381. *POA PRATENSIS* L. Poaceae. **Kentucky bluegrass.**
 C.B. Presented by the Iowa State University. Netherlands.

286382 and 286383. *ZEA MAYS* L. Poaceae. **Corn.**

286382. Presented by M. S. Zuber, Columbia, Mo. White pod corn; kernels yellow. Segregates: 1 pod; 2 normal.

286383. Purchased from the Pony Express Museum, Marysville, Kansas. Red pod corn; kernels red capped, sides yellow.

286384. PYRUS COMMUNIS L. Malaceae.

From Portugal. Scions presented by the Alcobaca Station, Alcobaca. Received Feb. 5, 1963.

'Rocha'.

286385 to 286406.

From Ethiopia. Seeds presented by I. E. Siegenthaler, Jimma. Received Feb. 5, 1963.

286385 and 286386. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**

286385. No. 1. Asmara market, Eritrea Province.

286386. No. 2. Asmara market, Eritrea Province.

286387 to 286406. *HORDEUM VULGARE* L. Poaceae.

286387. High road to Agaro, Kaffa Province.

286388. Asmara market.

286389. Eritrea Province.

286390. No. 101. Shoa Province.

286391. No. 103. Near Sekoro-Addis Road, Kaffa Province.

286392. No. 107. Hollota, Shoa Province.

286385 to 286406—Continued

286393. No. 109. Dodi, near Hollota, north of Addis Ababa, Shoa Province.
286394. No. 111. Sekekela.
286395. No. 113. Galachi, near Fitchie, Shoa Province.
286396. No. 115. Salalle, Shoa Province. Elevation 1,975 meters.
286397. No. 119. Alemaya, Harrar Province.
286398. No. 121. Addie Gradt, Tigrie Province.
286399. No. 122. Chercher Highlands, Harrar Province.
286400. No. 123. Adola Chercher Highlands, Harrar Province.
286401. No. 125. Debra Berhan, Shoa Province.
286402. No. 126. Debra Berhan, Shoa Province.
286403. No. 127. Debra Berhan, Shoa Province.
286404. No. 130. Debra Berhan, Shoa Province.
286405. No. 131. Debra Berhan, Shoa Province.
286406. No. 204–205. Chercher Highlands, Harrar Province.

286407 to 286412.

From Canada. Seeds presented by the Botanical Garden, University of British Columbia, Vancouver. Received Feb. 5, 1963.

286407. *CORNUS CANADENSIS* L. Cornaceae. **Bunchberry.**
286408. *LEUCOTHOE DAVISIAE* Torrey Ericaceae.
286409. *MAHONIA AQUIFOLIUM* (Pursh) Nutt. Berberidaceae. **Oregongrape.**
286410. *MAHONIA NERVOSA* Nutt.
286411. *SKIMMIA JAPONICA* Thunb. Rutaceae. **Japanese skimmia.**
Berries white.
286412. *VIBURNUM PAUCIFLORUM* Raf. Caprifoliaceae.

286413 to 286440.

From Nepal. Seeds obtained by J. L. Creech, agricultural explorer, Crops Research Division, Beltsville, Md. Received Feb. 5, 1963.

From Katmandu.

286413. *ALLIUM CEPA* L. Liliaceae. **Onion.**
Elevation 4,500 feet.
286414. *AVENA SATIVA* L. Poaceae. **Common oats.**
286415. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**
286416. *BRASSICA RAPA* L. **Turnip.**
286417. *BRASSICA JUNCEA* (L.) Coss. **Chinese mustard.**
Broad-leaved mustard.
286418. *BRASSICA NAPUS* L. **Rape.**
Oilseed mustard.
286419. *CAPSICUM ANUUM* L. Solanaceae. **Pimento.**
286420. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
286421. *CUCURBITA MOSCHATA* Poir. Cucurbitaceae. **Cushaw.**
286422. *DOLICHOS LABLAB* L. Fabaceae. **Hyacinth-bean.**
'Cholai' beans.

286413 to 286440—Continued

286423. *HORDEUM VULGARE* L. Poaceae.
Elevation 4,500 feet.
286424. *LEPIDIUM SATIVUM* L. Brassicaceae. Garden cress.
286425. *LUFFA CYLINDRICA* (L.) Roemer Cucurbitaceae. Suakwa towelgourd.
Ridge gourd.
286426. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
- 286427 to 286429. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.
286427. Plants dwarf; seeds white, navy type.
286428. Plants dwarf; seeds tan.
286429. Plants climbing; seeds reddish brown, kidney type.
- 286430 and 286431. *PISUM SATIVUM* L. Fabaceae. Garden pea.
286430. Seeds small, greenish, mottled.
286431. Garden pea.
286432. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.
Radish long.
- 286433 and 286434. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
286433. Seeds black.
286434. Seeds grayish.
286435. *SPINACIA OLERACEA* L. Chenopodiaceae. Spinach.
286436. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.
Used as a vegetable.
286437. *VICIA FABA* L. Fabaceae. Broadbean.
286438. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae. Catjang-pea.
286439. *VIGNA SESQUIPEDALIS* (L.) Fruwirth Yardlong cowpea.
'Cluster Beans'.
286440. *ZEA MAYS* L. Poaceae. Corn.

286441 to 286490.

From Japan. Seeds presented by the Ministry of Agriculture, Tokyo, through the United States Embassy. Received Feb. 7, 1963.

Collected by the National Livestock Experiment Station.

- 286441 to 286446. *AGROPYRON SEMICOSTATUM* (Steud.) Nees et Boiss.
Poaceae. Drooping wheatgrass.
286441. 'Nasu No. 1'. Tochigi Prefecture.
286442. 'Nasu No. 3'. Tochigi Prefecture.
286443. 'Nasu No. 4'. Tochigi Prefecture.
286444. 'Nasu No. 6'. Saitama Prefecture.
286445. 'Nasu No. 9'. Tochigi Prefecture.
286446. 'Nasu No. 10'. Ishikawa Prefecture.
- 286447 to 286452. *LESPEDEZA CUNEATA* (Dum.-Cours). G. Don Fabaceae. Chinese lespedeza.
286447. 'Nasu No. 1'. Ibaraki Prefecture. Plants erect; leaves large.
286448. 'Nasu No. 2'. Tochigi Prefecture. Leaves spindle shaped; seeds yellow.
286449. 'Nasu No. 3'. Tochigi Prefecture. Plants erect.

286441 to 286490—Continued

286450. 'Nasu No. 5'. Kanagawa Prefecture. Plants semi-erect.
 286451. 'Nasu No. 8'. Kagawa Prefecture. Plant semi-erect.
 286452. 'Nasu No. 10'.
- 286453 and 286454. *LESPEDEZA STIPULACEA* Maxim. **Korean lespedeza.**
 286453. 'Nasu No. 2'. Tokyo Prefecture. Plants prostrate; midseason variety.
 286454. 'Nasu No. 3'. Tokyo Prefecture. Plants semiprostrate, early maturing.
- 286455 to 286463. *LESPEDEZA STRIATA* (Thunb.) Hook. & Arn. **Common lespedeza.**
 286455. 'Nasu No. 1'. Okayama Prefecture. Late-maturing, giant type.
 286456. 'Nasu No. 2'. Kagawa Prefecture. Late maturing; stems and leaves dense.
 286457. 'Nasu No. 5'. Aomori Prefecture. Plants erect, very early maturing.
 286458. 'Nasu No. 9'. Ibaraki Prefecture. Plants erect; midseason variety.
 286459. 'Nasu No. 12'. Hiroshima Prefecture. Plants medium height, late maturing.
 286460. 'Nasu No. 16'. Gifu Prefecture. Plants prostrate; late maturing.
 286461. 'Nasu No. 17'. Hiroshima Prefecture. Plants medium height; midseason variety.
 286462. 'Nasu No. 18'. Shimane Prefecture. Plants medium height; late-midseason variety.
 286463. 'Nasu No. 20'. Kagoshima Prefecture. Plants prostrate; very late variety.
- 286464 to 286467. *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**
 286464. 'Nasu No. 1'. Chiba Prefecture. Plants erect, late midseason maturing.
 286465. 'Nasu No. 3'. Chiba Prefecture. Plant many stemmed, early maturing.
 286466. 'Nasu No. 4'. Nagano Prefecture. Plants erect, late maturing, cold hardy; stems long.
 286467. 'Nasu No. 5'. Nagano Prefecture. Plants medium height, late maturing, cold resistant. Make good regrowth.
- 286468 and 286469. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**
 286468. 'Nasu No. 2'. Tochigi Prefecture. Plants prostrate, early maturing.
 286469. 'Nasu No. 3'. Aomori, Akita and Myagi Prefectures. Early to midseason variety.
- 286470 and 286471. *VICIA* (hybrids). Fabaceae.
V. sativa × *V. angustifolia* var. *segetalis*.
 286470. 'Nasu No. 5'. Common vetch type. Disease resistant.
 286471. 'Nasu No. 9'. Common vetch type. No spiral.
- 286472 and 286473. *VICIA ANGUSTIFOLIA* var. *SEGETALIS* (Thuill.) Koch
 286472. 'Nasu No. 1'. Tochigi Prefecture. Plants late maturing, disease resistant.

286441 to 286490—Continued

286473. 'Nasu No. 7'. Kagawa Prefecture. Midseason variety.

Collected by the National Forestry Experiment Station, Ibaraki Prefecture.

286474. CALAMAGROSTIS ARUNDINACEA (L.) Roth Poaceae. Reedgrass.

286475. DESMODIUM RACEMOSUM DC. Fabaceae.

286476. LESPEDEZA BICOLOR Turcz. Fabaceae. Shrub bushclover.

286477. LESPEDEZA BICOLOR f. ACUTIFOLIA Matsum.

286478 and 286479. LESPEDEZA CUNEATA (Dum.-Cours.) G. Don
Chinese lespedeza.

286478. (No data).

286479. Received as *L. cuneata* var. *serpens*.

286480. LESPEDEZA CYRTOBOTRYA Miquel

286481. LESPEDEZA PENDULIFLORA (Oudemans) Nakai

286482. LESPEDEZA PILOSA (Thunb.) Sieb. & Zucc.

286483. MISCANTHUS SINENSIS Anders. Poaceae. Chinese silvergrass.

286484. MISCANTHUS SINENSIS f. ZEBRINUS (Nichols.) Nakai

286485. PANICUM BISULCATUM Thunb. Poaceae.

286486. PASPALUM THUNBERGII Kunth ex Steud. Poaceae.

286487. SETARIA CHONDRACHNE (Steud.) Honda Poaceae.

286488. SETARIA GLAUCA (L.) Beauv.

286489. VICIA AMOENA Fisch. ex DC. Fabaceae.

286490. ZOYSIA JAPONICA Steud. Poaceae. Japanese lawngrass.

286491 to 286500. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received Feb. 7, 1963.

286491. H 59-9979.

286492. H 60-9982.

286493. H 60-9987.

286494. H 60-9988.

286495. H 60-9989.

286496. H 60-9990.

286497. H 60-9992.

286498. H 60-9994.

286499. H 60-9995.

286500. H 60-9997.

286501 and 286502. BETA VULGARIS L. Chenopodiaceae. Beet.

From Poland. Seeds presented by Rolimpex, Centrala Handlu, Zagranicznego, Warsaw. Received Feb. 8, 1963.

286501. No. 1. 'Poly Mono IHAR'.

286502. No. 2. 'Poli—O'.

286503 to 286510.

From the United States. Vegetative stocks presented by the University of Florida, Gainesville, and now held at the Regional Plant Introduction Station, Experiment, Georgia. Numbered Feb. 8, 1963.

286503 to 286507. From Tifton, Ga.

286503 to 286510—Continued

286503. *DIGITARIA* cf. *ERIANTHA* Steud. Poaceae.

V.F. 70.

286504. *DIGITARIA* sp.

V.F. 71.

286505. *DIGITARIA* sp.

V.F. 72.

286506. *DIGITARIA* cf. *ERIANTHA* Steud.

V.F. 73.

286507. *DIGITARIA* sp.

V.F. 74.

286508. *DIGITARIA* sp.

V.F. 98. From Ghana.

286509. *DIGITARIA* sp.

V.F. 204. From the Belgian Congo.

286510. *DIGITARIA* sp.

V.F. 205. From the Belgian Congo.

286511 to 286515.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Received Dec. 18, 1962. Numbered Feb. 8, 1963.

286511. *ABIES* × *INSIGNIS* Carr. ex Baily Pinaceae.

286512. *ABIES* *SQUAMATA* Masters

286513. *CORNUS* *HESSEI* Koehe Cornaceae.

286514. *MAHONIA* *REPENS* var. *ROTUNDIFOLIA* Fedde Berberidaceae.

286515. *PODOCARPUS* *ALPINUS* Hook. f. Taxaceae.

286516 to 286519.

From the United States. Plants growing at the United States Plant Introduction Station, Miami, Fla. Numbered Feb. 8, 1963.

286516. *BAUHINIA* *ACULEATA* L. Caesalpiaceae.

From the Jardin d'Essai du Hamma, Algeria, but native to northern South America. Armed shrub to 12 feet high; leaves alternate; spines short, curved; flowers white, 5 inches diameter.

286517. *COLUBRINA* *ASIATICA* (L.) Brongn. Rhamnaceae.

From Jamaica, but native to the Old World tropics. Shrub to 12 feet high; branches long, trailing; leaves glabrous, highly glossy; flowers green, inconspicuous.

286518. *LAGERSTROEMIA* *LOUDONII* Teijsm. & Binn. Lythraceae.

From the Bogor Botanic Gardens, Java, Indonesia. Tree with elliptic, acute leaves; flowers in large terminal panicles, purple.

286519. *LAGERSTROEMIA* *THORELLII* Gagnep.

From India. Tree with pink flowers in summer and fall.

286520 to 286526.

From Great Britain. Seeds presented by the Plant Breeding Institute, Trumpington, Cambridge, England. Received Feb. 11, 1963.

286520 and 286521. *HORDEUM* *VULGARE* L. Poaceae.

286520. AB 169/5/22.

286521. CB 211.

286520 to 286526—Continued

- 286522 to 286526.** TRITICUM AESTIVUM L. Poaceae. Common wheat.
286522. 'Carpo'. **286525.** 'Stella'.
286523. 'Heines 110'. **286526.** 'TB 106/40'.
286524. 'Mado'.

286527 to 286529.

From Afghanistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Beltsville, Md. Numbered Feb. 11, 1963.

- 286527 and 286528.** LATHYRUS APHACA L. Fabaceae.
286527. Component from Col. No. 321. Wheatfield 22 miles south of Kabul, road to Kandahar. Plants in wild.
286528. Component from Col. No. 321.
286529. VICIA VILLOSA Roth Fabaceae. Hairy vetch.
 Component from Col. No. 321. Wheatfield 22 miles south of Kabul, road to Kandahar. Plants in wild.

286530 to 286533.

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Beltsville, Md. Numbered Feb. 11, 1963.

- 286530.** ALYSICARPUS RUGOSUS (Willd.) DC. Fabaceae.
 Col. No. 1426. Indian Agricultural Research Institute. Cultivated.
286531. LATHYRUS SATIVUS L. Fabaceae. Grass peavine.
 Col. No. 757. From the household of the Raja, Gupis Village. Elevation 7,700 feet. Cultivated. Received as *Vicia* sp.
286532 and 286533. TRIGONELLA FOENUM-GRÆCUM L. Fabaceae. Fenugreek.
286532. Col. No. 1249. 'Meti'. Kulu bazaar. Cultivated.
286533. Col. No. 1347. 'Methi'. Farm near Jodphur. Cultivated.

286534. MEDICAGO POLYMORPHA var. VULGARIS (Benth.) Shinnery California burclover.

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Beltsville, Md. Numbered Feb. 11, 1963.

Col. No. 1945. Twenty miles south of Addis Ababa.

286535. VITIS VINIFERA L. Vitaceae. European grape.

From India. Cuttings presented by the Indian Agricultural Research Institute, New Delhi. Received Feb. 12, 1963.

Originally from the Horticultural Research Station, Saharanpur, Uttar Pradesh. This variety performed outstandingly in India and has been resistant to fruit cracking and fungus diseases even in the wet climate.

286536. COFFEA BENGALENSIS Roxb. Rubiaceae. Coffee.

From India. Seeds presented by the Coffee Research Station, Chikmagalur District, Mysore State. Received Feb. 13, 1963.

286537. SAMBUCUS CLAUCA Nutt. Caprifoliaceae.

From the United States. Seeds collected by L. A. Mullen, Plant Introduction Station, Pullman, Wash. Received Dec. 7, 1962. Numbered Feb. 8, 1963.

'Blue Elderberry'. Silty-loam soil, 15 miles southwest of Pullman. Elevation 2,600 feet. Plants in wild.

286538 to 286547.

From Ecuador. Seeds presented by the Instituto de Nacional de Investigaciones Agropecuarias, Quito. Received Feb. 13, 1963.

286538 to 286543. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

286538. 'Africano'. Bolivar.

286539. 'Barba Negra'. Imbabura.

286540. 'Barbado Blanco'. Bolivar.

286541. 'Bola'. Azuay.

286542. 'Manitoba'. Canar.

286543. 'Valdiviezo'. Loja.

286544 and 286545. TRITICUM COMPACTUM Host **Club wheat.**

286544. 'Colorado'. Imbabura.

286545. 'Morocho Blanco'. Bolivar.

286546. TRITICUM DURUM Desf. **Durum wheat.**

'Morocho Colorado'. Bolivar.

286547. TRITICUM POLONICUM L. **Polish wheat.**

'Husco'. Bolivar.

286548. GOSSYPIOIDES BREVILANATUM (Hochr.) J. B. Hutchinson Malvaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received Feb. 13, 1963.

286549. FRAGARIA (hybrid). Rosaceae.

From Germany. Plants presented by the Max Planck Institut für Züchtungsforschung, Hamburg-Volksdorf. Received Nov. 26, 1962. Numbered Feb. 18, 1963.

'Senga Sengana'. Plants virus free.

286550 and 286551. SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From Kenya. Cuttings presented by the East African Research Organization, Kikuyu. Received Feb. 18, 1963.

286550. 'Nyamuiru'.

286551. 'Tutuo'.

286552 to 286554. JUGLANS REGIA L. Juglandaceae. **Persian walnut.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Feb. 19, 1963. Large fruited selections. Grown at the Maikop Experiment Station.

286552. W 124-2-17.

286553. W 124-7-13.

286554. W 128-1G-13.

286555 to 286570.

From Japan. Seeds presented by the Tohoku Forest Tree Improvement Station, Takisawa, Morioka. Feb. 19, 1963.

286555. ABIES MARIESII Masters Pinaceae. **Maries fir.**

Mt. Iwate, Iwate Prefecture. Elevation 1,600 meters.

286555 to 286570—Continued

286556. *ALANGIUM PLATANIFOLIUM* var. *MACROPHYLLUM* Wang.
Cornaceae.
Akita Prefecture. Elevation 300 meters.
286557. *ARISAEMA ANGUSTATUM* var. *PENINSULAE* Nakai Araceae.
Kadoma, Iwate Prefecture. Elevation 600 meters.
286558. *CARPINUS CORDATA* Blume Betulaceae. **Hornbeam.**
Kadoma, Iwate Prefecture. Elevation 680 meters.
286559. *CLINTONIA UDENSIS* Trautv. & Mey. Convallariaceae.
Mt. Hachimantai, Iwate Prefecture. Elevation 1,100 meters.
286560. *DIPYLLEIA GRAYI* F. Schmidt Berberidaceae.
Mt. Hachimantai, Iwate Prefecture. Elevation 800 meters.
286561. *EMPETRUM NIGRUM* var. *JAPONICUM* K. Koch Empetraceae.
Mt. Hayachine, Iwate Prefecture. Elevation 1,800 meters.
286562. *HEMEROCALLIS MIDDENDORFII* Trautv. & Meyer Liliaceae.
Mt. Hachimantai, Iwate Prefecture. Elevation 1,300 meters.
286563. *JUNIPERUS CHINENSIS* var. *SARGENTII* Henry Pinaceae.
Mt. Hayachine, Iwate Prefecture. Elevation 1,800 meters.
286564. *LEDUM PALUSTRE* var. *DIVERSIPILOSUM* Nakai Ericaceae.
Mt. Hayachine, Iwate Prefecture. Elevation 1,600 meters.
286565. *LIGUSTRUM TCHONOSKII* Decaisne Oleaceae.
Mt. Hayachine, Iwate Prefecture. Elevation 1,000 meters.
286566. *SKIMMIA JAPONICA* var. *REPENS* (Nakai) Thunb. Rutaceae.
Mt. Hayachine, Iwate Prefecture. Elevation 900 meters.
286567. *SYRINGA RETICULATA* (Blume) Hara Oleaceae. **Lilac.**
Kadoma, Iwate Prefecture. Elevation 800 meters.
286568. *VIBURNUM DILATATUM* Thunb. Caprifoliaceae. **Linden viburnum.**
Kadoma, Iwate Prefecture. Elevation 800 meters.
286569. *VIBURNUM SARGENTII* Koehne **Sargent cranberrybush.**
Kadoma, Iwate Prefecture. Elevation 1,000 meters.
286570. *WEIGELA HORTENSIS* (Sieb. & Zucc.) C. A. Meyer Caprifoliaceae.
Mt. Iwate, Iwate Prefecture. Elevation 800 meters.

286571 to 286581.

From Turkey. Cuttings presented by the Ziraat Fakultesi, University of Ankara, Ankara. Received Feb. 19, 1963.

- 286571 to 286575. *PUNICA GRANATUM* L. Punicaceae. **Pomegranate.**
286571. 'Cekirdeksiz Nar' (Seedless pomegranate).
286572. 'Devedisi' (Camel's Tooth).
286573. 'Feyiz'.
286574. 'Kadinar'.
286575. 'Lafon'.
- 286576 to 286581. *VITIS VINIFERA* L. Vitaceae. **European grape.**
286576. 'Kozak-Gemresi'.
286577. 'Misket'.
286578. 'Muskule'.

286571 to 286581—Continued

286579. 'Razaki'.

286580. 'Siyah-Gemre' (Humusi).

286581. 'Sultanina'.

286582 to 286584.

From India. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received Feb. 19, 1963.

286582 and 286583. *CYNODON DACTYLON* (L.) Pers. Poaceae.
Bermudagrass,

From the Atomic Energy Establishment grounds, Trombay, Bombay.

286582. No. 1. Hariali. Leaves medium texture.

286583. No. 2. Hariali. Leaves whitish, perhaps a salt induced chlorosis or a variegated type.

286584. *CYNODON TRANSVAALENSIS* Burt-Davy Poaceae.

No. 3. Atomic Energy Establishment grounds, Trombay, Bombay.
 Plants stoloniferous; leaves fine textured.

286585 to 286594.

From Iran. Seeds presented by the Royal Horticultural Society, Wisley, Ripley, Surrey, England. Received Feb. 20, 1963.

Collected by the Furse Expedition, Iran, 1962. The "P.F." numbers are Furse Expedition numbers.

286585. *COLCHICUM* sp. Melanthiaceae.

P.F. 2755.

286586. *COLCHICUM* sp.

P.F. 3294.

286587. *FRITILLARIA PERSICA* L. Liliaceae.

P.F. 3322.

286588. *LILIUM MONADELPHUM* Bieb. Liliaceae. Caucasian lily,

P.F. 4115.

286589. *MUSCARI* sp. Liliaceae.

P.F. 3324.

286590 to 286593. *TULIPA MONTANA* Lindl. Liliaceae.

286590. P.F. 2555.

286591. P.F. 2737.

286592. P.F. 2787.

286593. P.F. 3161.

286594. *TULIPA* sp.

P.F. 3380.

286595 to 286598. LYCOPERSICON ESCULENTUM Mill. Solanaceae.
Tomato.

From the United States. Seeds reproduced at the United States Regional Plant Introduction Station, Ames, Iowa. Numbered Feb. 20, 1963.

286595. A-435. 'Red Global'. From the Louisiana State University, Baton Rouge. Produced good crop of high quality fruit at Ames. Resistant to foliage diseases.

286596. A-436. 'Wisconsin Early Scarlet'. From the Farmer Seed and Nursery Co., Faribault, Minn. Produced and performed well at Ames.

286595 to 286598—Continued

286597. A-437. 'Sheyenne'. From the North Dakota State University, Fargo. Produced and performed well at Ames.

286598. A-441. 'Tecumseh'. From Purdue University, Lafayette, Ind. Produced and performed well at Ames. Has fusarium resistance.

286599. MALUS BACCATA (L.) Moench Malaceae.**Siberian crabapple.**

From China. Seedling presented by the Department of Horticulture, University of Missouri, Columbia. Grown from seed originally obtained from China through the Research Institute of Pomology, Skierniewice, Poland. Numbered February 20, 1963.

Reportedly extremely vigorous, well anchored, and of interest as possible virus tolerant rootstocks.

286600 and 286601. CITRUS SINENSIS (L.) Osbeck Rutaceae.**Sweet orange.**

From Spain. Plants intercepted by quarantine officials at port of entry, New York, N.Y. Numbered Feb. 20, 1963.

286600. 'Navelate'. From Valencia.

286601. 'Washington Navel'. From Valencia.

286602. ASPARAGUS sp. Convallariaceae.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Feb. 20, 1963.

No collector's number. Plant densely pubescent.

286603 to 286605.

From Japan. Seeds presented by the Tohoku Forest Tree Improvement Station, Takisawa, Morioka. Received Feb. 21, 1963.

286603 and 286604. QUERCUS ACUTISSIMA Carruthers Fagaceae.

286603. No. 1. Height 17 meters, diameter 24.7 cm.

286604. No. 4. Height 15 meters, diameter 28.3 cm.

286605. QUERCUS GLANDULIFERA Blume

No. 1. Height 16 meters, diameter 31 cm.

286606. PANICUM MAXIMUM Jacq. Poaceae.**Guineagrass.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Feb. 21, 1963.

'Capim Coloniao'.

286607. PISUM SATIVUM L. Fabaceae.**Garden pea.**

From Thailand. Seeds presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received Feb. 21, 1963.

Bangkok commercial variety. Warm region pea, pods edible.

286608. METASEQUOIA GLYPTOSTROBOIDES Hu & Chang Pinaceae.

From China. Selection made at the National Arboretum from seeds from Nanking. Numbered Feb. 21, 1963.

N.A. 10920-157. Selected for its pyramidal habit and compact branching. Tree grew to about 35 feet high in 10 years. From seeds introduced under P.I. 161688, January 1948.

286609. GOSSYPIUM TOMENTOSUM Nutt. ex Seem. Malvaceae.**Hawaiian cotton.**

From the United States. Seeds presented by the University of Hawaii, Honolulu, Hawaii. Received Feb. 21, 1963.

Collected at Makapuu Point, Oahu, Jan. 13, 1963.

286610. PHALARIS AQUATICA L. Poaceae. Large canarygrass.

From Argentina. Seeds presented by the Pergamino Experiment Station, Pergamino. Received Feb. 21, 1963.

'Perg. El. Gaucho'.

286611. DAUCUS SETULOSUS Guss. ex DC. Apiaceae.

From Lebanon. Seeds presented by the American University, Beirut, through the Food and Agricultural Organization of the United Nations, Rome, Italy. Received Feb. 21, 1963.

F.A.O. No. 11,816.

286612. ALLIUM CEPA L. Liliaceae. Onion.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Feb. 21, 1963.

'Silver King'.

286613. MALUS PRUNIFOLIA (Willd.) Borkh. Malaceae. Pearleaf crabapple.

From Japan. Seeds presented by the Morioka Branch, Horticultural Research Station, Shimokuriyagawa, Moriokashi. Received Feb. 25, 1963.

Used as understock in Japan.

286614 and 286615. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Puerto Rico. Cuttings and leaves presented by the Central Aguirre Sugar Company, Aguirre. Received Feb. 25, 1963.

286614. B 37-161.

286615. PR 1013.

286616. STENOMESSION FERREYRAE Traub Amaryllidaceae.

From Peru. Bulbs collected by Doris Blake and Doris Cochran, Smithsonian Institute, Washington, D.C. Numbered Feb. 26, 1963.

Infiernillo, Km. 106, Oroya, Lima. Collected Jan. 27, 1963.

286617 and 286618.

From Great Britain. Rhizomes purchased from Hillier & Sons, Winchester, England. Received Feb. 26, 1963.

286617. LYSICHITON AMERICANUM Hulten & St. John Araceae.

286618. LYSICHITON CAMTSCHATCENSE (Linn.) Schott

286619 to 286632. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From New Zealand. Cuttings presented by the Department of Scientific and Industrial Research, Auckland. Received Feb. 26, 1963.

286619. ANG 16. No. 15.

286620. ANG 21. 'Imabepu'.

286621. ANG 42. 'Kanifuta'.

286622. ANG 51. From the Kerevat Research Station, New Britain.

286623. CLPR 9A. From the Palmira Research Station.

286624. C.I. 10. 'Reemoa'.

286625. DNG 1. 'Notts Dere'.

286626. F.J. 1. 'Red Timala'.

286627. M. 1. 'Hawaiian'.

286628. O. 2. From W. R. Geddes, China.

286619 to 286632—Continued

286629. O. 4. From W. R. Geddes, China.
 286630. PUA 3. 'Remigio'.
 286631. PUAM 1A. From the market.
 286632. PC 6. 'Pata de Mula'.

286633. SACCHARUM (hybrid). Poaceae. Sugarcane.

From the West Indies. Cuttings presented by the Sugar Research Department, Mandeville, Jamaica. Received Feb. 26, 1963.

B. 34-104.

286634 and 286635. MALUS SYLVESTRIS Mill. Malaceae.

From Great Britain. Rooted layers presented by the East Malling Research Station, East Malling, Maidstone, Kent, England. Received Feb. 26, 1963.

286634. 'Malling-Merton 106'. (5) B 6/10. Free from known viruses.
 286635. No. 3431. (5) B 5/6. Free from known viruses.

286636 to 286786. SACCHARUM (hybrids). Poaceae. Sugarcane.

From India. Cuttings and clumps presented by the Sugarcane Breeding Institute, Coimbatore. Received Feb. 11, 1963. Numbered Mar. 1, 1963.

286636. Imp. No. 3686. 'Bamboo Blanca'.
 286637. Imp. No. 3687. 'Cavangire'.
 286638. Imp. No. 3688. 'Hinahina' (18).
 286639. Imp. No. 3689. 'Iscambine'.
 286640. Imp. No. 3890. N.C. 5.
 286641. Imp. No. 3691. 51 N.G. 94.
 286642. Imp. No. 3692. 57 N.G. 139.
 286643. Imp. No. 3693. 57 N.G. 140.
 286644. Imp. No. 3694. 'Raratonga 1'.
 286645. Imp. No. 3695. 'Selemi Bali'.
 286646. Imp. No. 3696. 'Pararia'.
 286647. Imp. No. 3697. P'1122/4.
 286648. Imp. No. 3698. P'1122/7.
 286649. Imp. No. 3699. 'Duruku Vico Vula'.
 286650. Imp. No. 3700. 'S. spont. C.B.E.'.
 286651. Imp. No. 3701. S.H. 219.
 286652. Imp. No. 3702. S.H. 245.
 286653. Imp. No. 3703. S.H. 246.
 286654. Imp. No. 3704. S.E.S. 2.
 286655. Imp. No. 3705. S.E.S. 4A.
 286656. Imp. No. 3706. S.E.S. 4B.
 286657. Imp. No. 3707. S.E.S. 6.
 286658. Imp. No. 3708. S.E.S. 11.
 286659. Imp. No. 3709. S.E.S. 13.
 286660. Imp. No. 3710. S.E.S. 14.
 286661. Imp. No. 3711. S.E.S. 20.
 286662. Imp. No. 3712. S.E.S. 24.

286636 to 286786—Continued

286663. Imp. No. 3713. S.E.S. 60.
286664. Imp. No. 3714. S.E.S. 66.
286665. Imp. No. 3715. S.E.S. 72.
286666. Imp. No. 3716. S.E.S. 85E.
286667. Imp. No. 3717. S.E.S. 90.
286668. Imp. No. 3718. S.E.S. 91.
286669. Imp. No. 3719. S.E.S. 92.
286670. Imp. No. 3720. S.E.S. 108B.
286671. Imp. No. 3721. S.E.S. 110A.
286672. Imp. No. 3722. S.E.S. 114.
286673. Imp. No. 3723. S.E.S. 115A.
286674. Imp. No. 3724. S.E.S. 118B.
286675. Imp. No. 3725. S.E.S. 121B (Clumps).
286676. Imp. No. 3726. S.E.S. 125A.
286677. Imp. No. 3727. S.E.S. 137A.
286678. Imp. No. 3728. S.E.S. 138.
286679. Imp. No. 3729. S.E.S. 140.
286680. Imp. No. 3730. S.E.S. 141A.
286681. Imp. No. 3731. S.E.S. 141B.
286682. Imp. No. 3732. S.E.S. 143.
286683. Imp. No. 3733. S.E.S. 145.
286684. Imp. No. 3734. S.E.S. 147B.
286685. Imp. No. 3735. S.E.S. 148.
286686. Imp. No. 3736. S.E.S. 150.
286687. Imp. No. 3737. S.E.S. 151A.
286688. Imp. No. 3738. S.E.S. 152.
286689. Imp. No. 3739. S.E.S. 155B.
286690. Imp. No. 3740. S.E.S. 183.
286691. Imp. No. 3741. S.E.S. 184B (Clumps).
286692. Imp. No. 3742. S.E.S. 188B.
286693. Imp. No. 3743. S.E.S. 191.
286694. Imp. No. 3744. S.E.S. 194.
286695. Imp. No. 3745. S.E.S. 196.
286696. Imp. No. 3746. S.E.S. 199B.
286697. Imp. No. 3747. S.E.S. 224 (Clumps).
286698. Imp. No. 3748. S.E.S. 244.
286699. Imp. No. 3749. S.E.S. 248.
286700. Imp. No. 3750. S.E.S. 251.
286701. Imp. No. 3751. S.E.S. 252.
286702. Imp. No. 3752. S.E.S. 255 (Clumps).
286703. Imp. No. 3753. S.E.S. 260.
286704. Imp. No. 3754. S.E.S. 261.

286636 to 286786—Continued

286705. Imp. No. 3755. S.E.S. 264.
286706. Imp. No. 3756. S.E.S. 267.
286707. Imp. No. 3757. S.E.S. 268.
286708. Imp. No. 3758. S.E.S. 270.
286709. Imp. No. 3759. S.E.S. 272.
286710. Imp. No. 3760. S.E.S. 274.
286711. Imp. No. 3761. S.E.S. 277.
286712. Imp. No. 3762. S.E.S. 278.
286713. Imp. No. 3763. S.E.S. 284 (Clumps).
286714. Imp. No. 3764. S.E.S. 286 (Clumps).
286715. Imp. No. 3765. S.E.S. 290.
286716. Imp. No. 3766. S.E.S. 291.
286717. Imp. No. 3767. S.E.S. 294.
286718. Imp. No. 3768. S.E.S. 295.
286719. Imp. No. 3769. S.E.S. 297A.
286720. Imp. No. 3770. S.E.S. 297B.
286721. Imp. No. 3771. S.E.S. 298 (Clumps).
286722. Imp. No. 3772. S.E.S. 310.
286723. Imp. No. 3773. S.E.S. 330.
286724. Imp. No. 3774. S.E.S. 334.
286725. Imp. No. 3775. S.E.S. 340.
286726. Imp. No. 3776. S.E.S. 343.
286727. Imp. No. 3777. S.E.S. 344.
286728. Imp. No. 3778. S.E.S. 348.
286729. Imp. No. 3779. S.E.S. 363.
286730. Imp. No. 3780. S.E.S. 366.
286731. Imp. No. 3781. S.E.S. 367.
286732. Imp. No. 3782. S.E.S. 370.
286733. Imp. No. 3783. S.E.S. 374 (Clumps).
286734. Imp. No. 3784. S.E.S. 375.
286735. Imp. No. 3785. S.E.S. 376.
286736. Imp. No. 3786. S.E.S. 377 (Clumps).
286737. Imp. No. 3787. S.E.S. 379 (Clumps).
286738. Imp. No. 3788. S.E.S. 383.
286739. Imp. No. 3789. S.E.S. 386 (Clumps).
286740. Imp. No. 3790. S.E.S. 387.
286741. Imp. No. 3791. S.E.S. 388.
286742. Imp. No. 3792. S.E.S. 390 (Clumps).
286743. Imp. No. 3793. S.E.S. 391 (Clumps).
286744. Imp. No. 3794. S.E.S. 392.
286745. Imp. No. 3795. S.E.S. 393.
286746. Imp. No. 3796. S.E.S. 394.
286747. Imp. No. 3797. S.E.S. 400.
286748. Imp. No. 3798. S.E.S. 401.

286636 to 286786—Continued

286749. Imp. No. 3799. S.E.S. 402.
 286750. Imp. No. 3800. S.E.S. 403 (Clumps).
 286751. Imp. No. 3801. S.E.S. 405.
 286752. Imp. No. 3802. S.E.S. 406.
 286753. Imp. No. 3803. S.E.S. 407.
 286754. Imp. No. 3804. S.E.S. 408.
 286755. Imp. No. 3805. S.E.S. 501.
 286756. Imp. No. 3806. S.E.S. 509.
 286757. Imp. No. 3807. S.E.S. 516.
 286758. Imp. No. 3808. S.E.S. 517.
 286759. Imp. No. 3809. S.E.S. 519.
 286760. Imp. No. 3810. S.E.S. 521.
 286761. Imp. No. 3811. S.E.S. 534 (Clumps).
 286762. Imp. No. 3812. S.E.S. 538 (Clumps).
 286763. Imp. No. 3813. S.E.S. 541.
 286764. Imp. No. 3814. S.E.S. 552.
 286765. Imp. No. 3815. S.E.S. 558.
 286766. Imp. No. 3816. S.E.S. 561.
 286767. Imp. No. 3817. S.E.S. 564.
 286768. Imp. No. 3818. S.E.S. 565.
 286769. Imp. No. 3819. S.E.S. 567.
 286770. Imp. No. 3820. S.E.S. 572.
 286771. Imp. No. 3821. S.E.S. 573B.
 286772. Imp. No. 3822. S.E.S. 574.
 286773. Imp. No. 3823. S.E.S. 577.
 286774. Imp. No. 3824. S.E.S. 579.
 286775. Imp. No. 3825. S.E.S. 584.
 286776. Imp. No. 3826. S.E.S. 587.
 286777. Imp. No. 3827. S.E.S. 600.
 286778. Imp. No. 3828. S.E.S. 601.
 286779. Imp. No. 3829. S.E.S. 602.
 286780. Imp. No. 3830. S.E.S. 603.
 286781. Imp. No. 3831. S.E.S. 605.
 286782. Imp. No. 3832. S.E.S. 606.
 286783. Imp. No. 3833M. Co. 214 (mosaic).
 286784. Imp. No. 3834M. Co. 419 (mosaic).
 286785. Imp. No. 3835H. Co. 214 (healthy).
 286786. Imp. No. 3836H. Co. 419 (healthy).

286787. MALUS sp. Malaceae.

From Great Britain. Budstick presented by the East Malling Experiment Station, East Malling, England. Received Mar. 4, 1963.

'Cheal's Golden Gem'. Used as a virus indicator.

286788 to 286817. ALLIUM CEPA L. Liliaceae.**Onion.**

From France. Seeds presented by the Institut National de la Recherche

286788 to 286817—Continued

Agronomique, Station Centrale de Genetique et d'Amelioration des Plantes, Etoile de Choisy, Versailles. Received Mar. 4, 1963.

Bulbs white, used mostly as fresh spring vegetables.

- 286788. 'De Barletta'.
- 286789. 'De la Reine'.
- 286790. 'Extra Hatif des Halles'.
- 286791. 'Extra Hatif Parisien'.
- 286792. 'Gros de Lisbonne'.
- 286793. 'Hatif de Paris'.
- 286794. 'Merveille de Pompei'.
- 286795. 'Premier'.
- 286796. 'Vaugirard'. Bulbs yellow.
- 286797. 'De Lescure'.
- 286798. 'De Maze'.
- 286799. 'De Moissac'.
- 286800. 'De Maninet'.
- 286801. 'De Valence Hatif'.
- 286802. 'Espagnol' ('Valencia').
- 286803. 'Geant d'Espagne'.
- 286804. 'Geant de Zittau'.
- 286805. 'Jaune de Limoges'.
- 286806. 'Jaune de Mulhouse', type 'Auxonne'.
- 286807. 'Jaune de Mulhouse', type 'Selestat'.
- 286808. 'Jaune Paille des Vertus'.
- 286809. 'Piriforme'. Bulbs or light red.
- 286810. 'Rose de Bonne Garde'.
- 286811. 'Rouge de Toulouse'.
- 286812. 'Rouge Fonce de Brunswick'.
- 286813. 'Rouge Fonce' ('Des Ardennes').
- 286814. 'Rouge Gros Plat d'Italie'.
- 286815. 'Rouge Pale de Huy'.
- 286816. 'Rouge Pale de Niort'.
- 286817. 'Rouge Vif d'Aout'.

286818. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.

From Argentina. Seeds presented by the Experiment Station, Pergamino. Received Mar. 4, 1963.

From Brazil.

286819 to 286830. NICOTIANA TABACUM L. Solanaceae.

From Bulgaria. Seeds presented by the Bulgarian Academy of Science, Sofia. Received thru the Legation of Bulgaria, Washington, D.C. Received Mar. 5, 1963.

- 286819. 'Harmanliiska Basma No. 163'.
- 286820. 'Kozarsko No. 541'.
- 286821. 'Kulsko'.
- 286822. 'Mandrensko'.

286819 to 286830—Continued

- 286823. 'Nevrokop No. 5'.
- 286824. 'Rila No. 9'.
- 286825. 'Sandanski No. 144'.
- 286826. 'Sekirka'.
- 286827. 'Stanimachka Basma No. 536'.
- 286828. 'Sultansko'.
- 286829. 'Tekne'.
- 286830. 'Visoka Marula'.

286831. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Brazil. Seeds presented by Anderson Clayton and Cia., Limited, Sao Paulo. Received Mar. 5, 1963.

Large-seeded variety with white testa. Originally from Paraguay.

286832 to 287102. PENNISETUM SPICATUM (L.) Willd. Poaceae. Pearl millet.

From Nigeria. Seeds presented by the Ahmadu Bello University, Kano Agricultural Research Station, Kano. Received Mar. 6, 1963.

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|----------------------|----------------------|
| Km 7 (60) R62. | 286859. Plot No. 34. |
| 286832. Plot No. 1. | 286860. Plot No. 35. |
| 286833. Plot No. 2. | 286861. Plot No. 36. |
| 286834. Plot No. 3. | 286862. Plot No. 38. |
| 286835. Plot No. 4. | 286863. Plot No. 39. |
| 286836. Plot No. 5. | 286864. Plot No. 40. |
| 286837. Plot No. 8. | 286865. Plot No. 41. |
| 286838. Plot No. 9. | 286866. Plot No. 42. |
| 286839. Plot No. 11. | 286867. Plot No. 44. |
| 286840. Plot No. 12. | 286868. Plot No. 45. |
| 286841. Plot No. 13. | 286869. Plot No. 46. |
| 286842. Plot No. 14. | 286870. Plot No. 47. |
| 286843. Plot No. 15. | 286871. Plot No. 48. |
| 286844. Plot No. 16. | 286872. Plot No. 50. |
| 286845. Plot No. 17. | 286873. Plot No. 51. |
| 286846. Plot No. 19. | 286874. Plot No. 52. |
| 286847. Plot No. 20. | 286875. Plot No. 53. |
| 286848. Plot No. 22. | 286876. Plot No. 54. |
| 286849. Plot No. 23. | 286877. Plot No. 55. |
| 286850. Plot No. 24. | 286878. Plot No. 56. |
| 286851. Plot No. 25. | 286879. Plot No. 57. |
| 286852. Plot No. 26. | 286880. Plot No. 59. |
| 286853. Plot No. 27. | 286881. Plot No. 60. |
| 286854. Plot No. 29. | 286882. Plot No. 62. |
| 286855. Plot No. 30. | 286883. Plot No. 63. |
| 286856. Plot No. 31. | 286884. Plot No. 64. |
| 286857. Plot No. 32. | 286885. Plot No. 65. |
| 286858. Plot No. 33. | 286886. Plot No. 67. |

286832 to 287102—Continued

286887.	Plot No. 69.	286931.	Plot No. 124.
286888.	Plot No. 70.	286932.	Plot No. 125.
286889.	Plot No. 71.	286933.	Plot No. 126.
286890.	Plot No. 72.	286934.	Plot No. 127.
286891.	Plot No. 73.	286935.	Plot No. 129.
286892.	Plot No. 75.	286936.	Plot No. 130.
286893.	Plot No. 76.	286937.	Plot No. 131.
286894.	Plot No. 77.	286938.	Plot No. 132.
286895.	Plot No. 78.	286939.	Plot No. 133.
286896.	Plot No. 79.	286940.	Plot No. 134.
286897.	Plot No. 80.	286941.	Plot No. 135.
286898.	Plot No. 81.	286942.	Plot No. 136.
286899.	Plot No. 82.	286943.	Plot No. 138.
286900.	Plot No. 83.	286944.	Plot No. 139.
286901.	Plot No. 85.	286945.	Plot No. 140.
286902.	Plot No. 86.	286946.	Plot No. 142.
286903.	Plot No. 87.	286947.	Plot No. 143.
286904.	Plot No. 90.	286948.	Plot No. 144.
286905.	Plot No. 92.	286949.	Plot No. 145.
286906.	Plot No. 94.	286950.	Plot No. 146.
286907.	Plot No. 95.	286951.	Plot No. 147.
286908.	Plot No. 96.	286952.	Plot No. 148.
286909.	Plot No. 97.	286953.	Plot No. 149.
286910.	Plot No. 98.	286954.	Plot No. 150.
286911.	Plot No. 99.	286955.	Plot No. 151.
286912.	Plot No. 100.	286956.	Plot No. 152.
286913.	Plot No. 101.	286957.	Plot No. 153.
286914.	Plot No. 102.	286958.	Plot No. 154.
286915.	Plot No. 103.	286959.	Plot No. 155.
286916.	Plot No. 104.	286960.	Plot No. 156.
286917.	Plot No. 105.	286961.	Plot No. 157.
286918.	Plot No. 106.	286962.	Plot No. 158.
286919.	Plot No. 107.	286963.	Plot No. 159.
286920.	Plot No. 108.	286964.	Plot No. 160.
286921.	Plot No. 109.	286965.	Plot No. 161.
286922.	Plot No. 110.	286966.	Plot No. 162.
286923.	Plot No. 111.	286967.	Plot No. 163.
286924.	Plot No. 112.	286968.	Plot No. 164.
286925.	Plot No. 113.	286969.	Plot No. 165.
286926.	Plot No. 114.	286970.	Plot No. 166.
286927.	Plot No. 118.	286971.	Plot No. 167.
286928.	Plot No. 119.	286972.	Plot No. 168.
286929.	Plot No. 120.	286973.	Plot No. 169.
286930.	Plot No. 122.	286974.	Plot No. 171.

286832 to 287102—Continued

286975.	Plot No. 172.	287019.	Plot No. 227.
286976.	Plot No. 173.	287020.	Plot No. 228.
286977.	Plot No. 174.	287021.	Plot No. 229.
286978.	Plot No. 175.	287022.	Plot No. 230.
286979.	Plot No. 176.	287023.	Plot No. 231.
286980.	Plot No. 177.	287024.	Plot No. 232.
286981.	Plot No. 178.	287025.	Plot No. 234.
286982.	Plot No. 180.	287026.	Plot No. 235.
286983.	Plot No. 181.	287027.	Plot No. 236.
286984.	Plot No. 183.	287028.	Plot No. 237.
286985.	Plot No. 184.	287029.	Plot No. 238.
286986.	Plot No. 185.	287030.	Plot No. 239.
286987.	Plot No. 186.	287031.	Plot No. 240.
286988.	Plot No. 187.	287032.	Plot No. 241.
286989.	Plot No. 189.	287033.	Plot No. 244.
286990.	Plot No. 190.	287034.	Plot No. 245.
286991.	Plot No. 191.	287035.	Plot No. 246.
286992.	Plot No. 192.	287036.	Plot No. 247.
286993.	Plot No. 195.	287037.	Plot No. 248.
286994.	Plot No. 197.	287038.	Plot No. 250.
286995.	Plot No. 198.	287039.	Plot No. 252.
286996.	Plot No. 199.	287040.	Plot No. 253.
286997.	Plot No. 201.	287041.	Plot No. 254.
286998.	Plot No. 202.	287042.	Plot No. 258.
286999.	Plot No. 203.	287043.	Plot No. 259.
287000.	Plot No. 204.	287044.	Plot No. 260.
287001.	Plot No. 205.	287045.	Plot No. 261.
287002.	Plot No. 206.	287046.	Plot No. 262.
287003.	Plot No. 207.	287047.	Plot No. 264.
287004.	Plot No. 208.	287048.	Plot No. 266.
287005.	Plot No. 209.	287049.	Plot No. 268.
287006.	Plot No. 210.	287050.	Plot No. 269.
287007.	Plot No. 211.	287051.	Plot No. 270.
287008.	Plot No. 212.	287052.	Plot No. 275.
287009.	Plot No. 213.	287053.	Plot No. 276.
287010.	Plot No. 214.	287054.	Plot No. 277.
287011.	Plot No. 215.	287055.	Plot No. 278.
287012.	Plot No. 216.	287056.	Plot No. 279.
287013.	Plot No. 217.	287057.	Plot No. 280.
287014.	Plot No. 218.	287058.	Plot No. 282.
287015.	Plot No. 220.	287059.	Plot No. 284.
287016.	Plot No. 222.	287060.	Plot No. 285.
287017.	Plot No. 223.	287061.	Plot No. 286.
287018.	Plot No. 226.	287062.	Plot No. 287.

286832 to 287102—Continued

287063. Plot No. 288.	287083. Plot No. 331.
287064. Plot No. 290.	287084. Plot No. 332.
287065. Plot No. 291.	287085. Plot No. 335.
287066. Plot No. 293.	287086. Plot No. 339.
287067. Plot No. 294.	287087. Plot No. 342.
287068. Plot No. 296.	287088. Plot No. 349.
287069. Plot No. 297.	287089. Plot No. 356.
287070. Plot No. 299.	287090. Plot No. 364.
287071. Plot No. 301.	287091. Plot No. 371.
287072. Plot No. 302.	287092. Plot No. 380.
287073. Plot No. 307.	287093. Plot No. 381.
287074. Plot No. 318.	287094. Plot No. 389.
287075. Plot No. 319.	287095. Plot No. 391.
287076. Plot No. 320.	287096. Plot No. 395.
287077. Plot No. 322.	287097. Plot No. 396.
287078. Plot No. 323.	287098. Plot No. 400.
287079. Plot No. 325.	287099. Plot No. 401.
287080. Plot No. 327.	287100. Plot No. 402.
287081. Plot No. 329.	287101. Plot No. 405.
287082. Plot No. 330.	287102. Plot No. 406.

287103 to 287108.

From Great Britain. Seeds presented by Hillier and Sons, Winchester, England. Received Mar. 8, 1963.

287103. ACER GROSSERI var. HERSII Rehd. Aceraceae.
 287104. ACER LAXIFLORUM Pax
 287105. ACER OLIVERIANUM Pax
 287106. CLETHRA MONOSTACHYA Rehd. & Wils. Clethraceae.
 287107. CRATAEGUS TANACETIFOLIA (Poir.) Pers. Malaceae.
 287108. PIERIS JAPONICA (Thunb.) G. Don Ericaceae. Japanese pieris.

287109 to 287111. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Canada. Seeds presented by the Horticultural Experiment Station, Vineland Station, Ontario. Received Mar. 8, 1963.

287109. 'Vantage'.
 287110. 'Venture'.
 287111. 'Viscount'.

287112. PANICUM MAXIMUM Jacq. Poaceae. Guineagrass.

From the United States. Seeds presented by the McCandles Ranch, Hookane, Hawaii. Received Mar. 11, 1963.

BN-12290-62.

287113. DAUCUS MONTEVIDENSIS Spreng. Apiaceae.

From Uruguay. Seeds presented by the Faculty of Agronomy, University of the Republic, Montevideo. Received Mar. 11, 1963.

No. 3940. Arroyo Casupa, Dept. de Florida.

287114 to 287131. LESPEDEZA CAPITATA Michx. Fabaceae.

From the United States. Seeds presented by V. B. Hawkes, Soil Conservation Service, Ames, Iowa. Numbered Mar. 11, 1963.

287114. SCS No. M2-10356. Collected at Junction of Highways 30 and 60 along the Chicago Northwestern railroad tracks east of Boone, Iowa, by J. Martin, Iowa State University in 1938.

287115. SCS No. M1-6372. Collected October 1962, 1 mile west of Clear Lake, at U.S. Highway 18 and RR. tracks, Cerro Gordo County, Iowa.

287116. SCS No. M1-6376. Collected October 1962, "Pioneer Park", 10 miles west of Clarinda, Highway 2, Page County, Iowa.

287117. SCS No. M1-6378. Collected October 1962, on north side of U.S. Highway 63 east of the Wapsipinican River, Chickasaw County, Iowa.

287118. SCS No. M1-6379. Collected October 1962, in native prairie west of Ames High School, Story County, Iowa.

287119. SCS No. M1-6380. Collected October 1962, 4 miles east of Riceville, on curve of Highway 9, Howard County, Iowa.

287120. SCS No. M1-6381. Collected October 1962, 1.5 miles northeast of Shenandoah, at Highway 48 and railroad tracks, Page County, Iowa.

287121. SCS No. M1-6382. Collected November 1962, south of Manawa Lake at Council Bluffs, Pottawattamie County, Iowa.

287122. SCS No. M1-6383. Collected October 1962, 2 miles north of Mt. Ayr, at City Reservoir Lake, Ringgold County, Iowa.

287123. SCS No. M1-6384. Collected in the "Hayden Prairie", 5 miles west of Saratoga, Howard County, Iowa.

287124. SCS No. M1-6385. Collected October 1962, 3.5 miles east of South Amana, along U.S. Highway 6, Iowa County, Iowa.

287125. SCS No. M1-6386. Collected October 1962, on blow sand 1 mile southeast of Homestead, Iowa County, Iowa.

287126. SCS No. M1-6393. Collected November 1962, on Fayette silt-loam subsoil, along U.S. Highway 30, 3.5 miles east of junction with Iowa Highway 212, Tama County, Iowa.

287127. SCS No. M1-6394. Collected November 1962, on Tama silt-loam soil, along U.S. Highway 30, 1.75 miles east of junction with Iowa Highway 14, Marshall County, Iowa.

287128. SCS No. M1-6395. Collected November 1962. Terrace sand subsoil, in road cut on U.S. Highway 30, east of Cedar River, Linn County, Iowa.

287129. SCS No. M1-6402. Collected November 1962, on Storden soil with native grass, Sietsma Bros. farm, Dickinson County, Iowa.

287130. SCS No. M1-6392. Collected November 1962, north of Moline Airport, just west of junction of Highways U.S. 6 and Illinois 92, Rock Island County, Ill.

287131. SCS No. M1-6471. Collected October 1962, from native stand, Rose Lake Wildlife Station, East Lansing, Mich.

287132 to 287159.

From India. Stolons collected by W. W. Huffine, Oklahoma Agricultural Experiment Station, Stillwater, Okla. Collected February 1963. Received Mar. 11, 1963.

287132 to 287136. *CYNODON ARCUATUS* J. S. Presl ex K. B. Presl Poaceae.

287132. Col. No. 2-6. Heavy clay soil, southern part of the Kallar Gardens, Fruit Research Station, Kallar. Elevation 2,500 feet.

287133. Col. No. 2-7. An open site, southern part of the Kallar Gardens, Fruit Research Station, Kallar. Elevation 2,500 feet.

287132 to 287159—Continued

287134. Col. No. 2-8. An open site, southern part of the Kallar Gardens, Fruit Research Station, Kallar. Elevation 2,500 feet.
287135. Col. No. 2-9. An open site, southern part of the Kallar Gardens, Fruit Research Station, Kallar. Elevation 2,500 feet.
287136. Col. No. 6-44. Mountainous terrain on south side of Nilgiris Mountains, southern part of Kallar Gardens, Fruit Research Station, Kallar. Elevation 2,500 feet.
- 287137 to 287145. CYNODON BARBERI** Rangachari & Tadul.
287137. Col. No. 2-2. Hilly terrain, among the rocks of a perennial streambed, southwest of Marubhamalsi Temple. Elevation 2,000 feet.
287138. Col. No. 2-4. Sandy, dry, flat terrain, edge of forest, north bank of the Noyil River, near Perur, west of Coimbatore. Elevation 1,600 feet.
287139. Col. No. 2-5. Wet flat terrain, north bank of the Noyil River, near Perur, about 4 miles west of Coimbatore.
287140. Col. No. 2-11. In footpath between trees, in heavy soil, hilly terrain, bottom of the Nilgiris Mountains, southern part of the Kallar Gardens, Fruit Research Station, Kallar.
287141. Col. No. 3-12. Hilly terrain, south edge of Nilgiris Mountains, Burliyar. Elevation 2,500 feet.
287142. Col. No. 5-40. Sandy, flat terrain, Agricultural College Wet Lands, about one-half mile west of Coimbatore. Elevation 1,400 feet.
287143. Col. No. 5-43. Flat, gravelly soil, Agricultural College Wet Lands, about one-half mile west of Coimbatore.
287144. Col. No. 6-45. Mountainous terrain, south side of Nilgiris Mountains, southern part of the Kallar Gardens, Fruit Research Station, Kallar. Elevation 2,500 feet.
287145. Col. No. 6-46. Wet soil, north bank of the Noyil River, near Perur, about 4 miles west of Coimbatore. Elevation 1,600 feet.
- 287146 to 287158. CYNODON DACTYLON (L.) Pers. Bermudagrass.**
287146. Col. No. 2-1. Among rocks of a hilly perennial streambed, Marubhamalai Temple. Elevation 2,000 feet.
287147. Col. No. 3-13. Red sandy roadside, hilly terrain, Burliyar, upper end of bridge, southern edge of Nilgiris Mountains. Elevation 2,500 feet.
287148. Col. No. 3-21. Mountainous terrain, Soil Conservation Scheme, Ootacamund. Elevation 7,500 feet.
287149. Col. No. 3-22. Mountainous terrain, Soil Conservation Scheme, Ootacamund. Elevation 7,500 feet.
287150. Col. No. 3-23. Mountainous terrain, Coimbatore-Ootacamund road, Nilgiris Mountains. Elevation 6,500 feet.
287151. Col. No. 3-24. Mountainous terrain, Coimbatore-Ootacamund road, Nilgiris Mountains. Elevation 5,500 feet.
287152. Col. No. 3-25. Mountainous terrain, Coimbatore-Ootacamund road, Nilgiris Mountains. Elevation 4,500 feet.
287153. Col. No. 3-26. Mountainous terrain, Coimbatore-Ootacamund road, Nilgiris Mountains. Elevation 3,500 feet.
287154. Col. No. 4-31. Sandy soil, Anamalais Mountains, Panthadi Mattum, Iyerpaid. Elevation 3,600 feet.
287155. Col. No. 4-32. Stony roadside cut, Kavarkal, Anamalais Mountains. Elevation 4,300 feet.
287156. Col. No. 4-33. Stony area on the Kavarkal-Coimbatore road, Anamalais Mountains. Elevation 3,500 feet.

287132 to 287159—Continued

287157. Col. No. 4-34. Stony area on the Kavarkal-Coimbatore road, Anamalais Mountains. Elevation 2,500 feet.

287158. Col. No. 6-47. South side of Nilgiris Mountains, southern part of the Kallar Gardens, Fruit Research Station, Kallar. Elevation 2,500 feet.

287159. *STENOTAPHRUM* sp. Poaceae.

Col. No. 3-19. Soil Conservation Scheme, Ootacamund, from mountainous terrain, Coonoor area. Elevation 7,500 feet.

287160. MALUS SYLVESTRIS Mill. Malaceae.

From India. Scions presented by the Indian Agricultural Research Institute, New Delhi. Received Mar. 12, 1963.

'Banon's Seedling'. Produced by the Sunshine Orchards, Manali, Kulu Valley, Panjab. Tree to 25 feet high with 15-foot spread; fruit red, well flavored.

287161. CITRUS INTERMEDIA Tanaka Rutaceae.

From Japan. Seeds presented by the National Horticultural Research Station, Okitsu, Okitsu, Shimizu City. Received Mar. 12, 1963.

287162. PYRUS COMMUNIS L. Malaceae.

From France. Scions presented by the Station Oenologique, Belle-Beille, Angers. Received Mar. 13, 1963.

'Epine Dumas' ('Duc de Bordeaux').

287163 to 287170. ORYZA SATIVA L. Poaceae.**Rice.**

From New Guinea. Seeds presented by the Director of Agriculture, Port Moresby. Received Mar. 13, 1963.

From the Epo Agricultural Experiment Station.

287163. 52/16-0-2.

287167. 'Madang'.

287164. 'Anbarbau'.

287168. 'Mekeo, white'.

287165. E 1.

287169. 'Toentoeng'.

287166. K 1.

287170. T P 1252.

287171 to 287175.

From Turkey. Seeds procured from the University of Ankara, Ankara, by Public Law 480. Received Mar. 13, 1963.

287171. *TRIFOLIUM CHERLERI* L. Fabaceae.

287172. *TRIFOLIUM GLOBOSUM* L.

287173. *TRIFOLIUM MENEGHINIANUM* Clem.

287174. *TRIFOLIUM PURPUREUM* Gilib.

287175. *TRIFOLIUM SPUMOSUM* L.

287176 and 287177. SACCHARUM (hybrids). Poaceae.**Sugarcane.**

From Mexico. Cuttings presented by the Instituto de Investigaciones Agrícolas, Departamento de Cana de Azúcar, Mexico City. Received Mar. 13, 1963.

287176. B. 34104.

287177. Co. 290.

287178 to 287180.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 14, 1963.

287178 to 287180—Continued

287178. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

C.P.I. 18009. 'Greenleaf'.

287179. *DESMODIUM SANDWICENSE* E. Mey.

C.P.I. 18225.

287180. *DESMODIUM TORTUOSUM* (Sw.) DC.

C.P.I. 2653.

287181 to 287184. *HELIANTHUS ANNUUS* L. Asteraceae.**Sunflower.**

From Chile. Seeds presented by the Ministerio de Agricultura, Departamento de Sanidad Vegetal, Santiago. Received Mar. 14, 1963.

Black-seeded Russian varieties.

287181. 'Armavirski'.

287182. 'Peredovic'.

287183. 'VNIIMK 1646'.

287184. 'VNIIMK 6540'.

287185 to 287188.

From Nepal. Seeds presented by G. A. C. Herklots, Katmandu. Received Mar. 14, 1963.

287185. *CORYDALIS* sp. Papaveraceae.

Katmandu Valley.

287186. *LILIUM NEPALENSE* D. Don Liliaceae.

Lily.

Katmandu Valley.

287187. *LONICERA* sp. Caprifoliaceae.

Katmandu Valley. Shrub.

287188. *OROXYLUM INDICUM* (L.) Vent. Bignoniaceae.

India trumpetflower.

Rapti Valley. Elevation 1,500 feet.

287189 to 287228.

From Israel. Seeds presented by the Faculty of Agriculture, Rehovot. Received Mar. 14, 1963.

287189 to 287205. *AVENA BARBATA* Brot. Poaceae.

Slender oats.

287189. D 80. Afek, Haifa Bay.

287190. D 82. Yavn'el, lower Galilee.

287191. D 87. Tel-Barooch, central coastal plain.

287192. D 90. Shomera, upper Galilee.

287193. D 93. Kfar Ata, Haifa Bay.

287194. D 97. Kadim, central coastal plain.

287195. D 101. Farod, upper Galilee.

287196. D 105. Kfar Shalem, central coastal plain.

287197. D 106. Petah Tikva, central coastal plain.

287198. D 111. Nurit, Mount Gilboa.

287199. D 116. Oodim, central coastal plain.

287200. D 119. Hurfish, upper Galilee.

287201. D 120. Beit Dagan, central coastal plain.

287202. D 125. Moledet, central coastal plain.

287189 to 287228—Continued

287203. D 130. Naharia, western Galilee.
 287204. D 138. Tel Aviv, central coastal plain.
 287205. D 141. G'alia, central coastal plain.
287206 to 287228. AVENA STERILIS L. Animated oats.
 287206. D 78. Tveria, lower Galilee.
 287207. D 81. Yavn'el, lower Galilee.
 287208. D 83. Rina, lower Galilee.
 287209. D 85. Marar, lower Galilee.
 287210. D 88. Tel-Barooch, central coastal plain.
 287211. D 94. Ma'anit, hills of Samaria.
 287212. D 96. Kadima, central coastal plain.
 287213. D 103. Teiba, lower Galilee.
 287214. D 104. Kfar Shalem, central coastal plain.
 287215. D 107. Petah Tikva, central coastal plain.
 287216. D 108. Muchraka, Mount Carmel.
 287217. D 109. Kfar Hahores, lower Galilee.
 287218. D 112. Afikim, Jordan Valley.
 287219. D 113. Nahal Oz, western Negev.
 287220. D 123. The refineries, Haifa Bay.
 287221. D 126. Moledet, central coastal plain.
 287222. D 128. Beit Joseph, Jordan Valley.
 287223. D 133. Eliakim, hills of Samaria.
 287224. D 135. Pe'er Hagalil, upper Galilee.
 287225. D 136. Neshar, Mount Carmel.
 287226. D 137. Tel Aviv, central coastal plain.
 287227. D 139. Megido, Valley of Esdraelon.
 287228. D 143. Ein-Dor, lower Galilee.
287229. SACCHARUM (hybrid). Poaceae. Sugarcane.
 From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Mar. 14, 1963.
 C.P. 47-193.
287230 to 287236.
 From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received April 18, 1963.
287230 to 287233. HELIANTHUS ANNUUS L. Asteraceae. Sunflower.
 287230. 'Enisej'. Krasnodar. Seeds black.
 287231. 'Peredovik'. Krasnodar. Seeds black.
 287232. 'Vniimk 6540'. Krasnodar. Seeds black.
 287233. 'Vniimk 8931'. Krasnodar. Seeds black.
287234. MEDICAGO COERULEA Ledeb. Fabaceae.
287235. MEDICAGO MINIMA (L.) Grufbergs Little medic.
 Annual.
287236. MEDICAGO ORBICULARIS (L.) All. Buttonclover.
 Annual.

287237. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From the Union of Soviet Socialistic Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Mar. 15, 1963.

'Kruglik 05'. Krasnodar Region.

287238. RUBUS LACINIATUS Willd. Rosaceae.

From the Netherlands. Plants presented by the Institute for Horticultural Plant Breeding, Wageningen. Received Mar. 18, 1963.

'Thornless Evergreen'.

287239 and 287240. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the Philippines. Cuttings presented by the Central Experiment Station, University of the Philippines, Laguna. Received Mar. 15, 1963.

287239. H. 37-1933.

287240. POJ 3016.

287241 to 287243.

From Germany. Seeds presented by Fred Elliott, Michigan State College, East Lansing, Mich. Numbered Mar. 18, 1963.

287241. LUPINUS ALBUS L. Fabaceae. White lupine.

'Gela..

287242 and 287243. LUPINUS LUTEUS L. European yellow lupine.

287242. 'Jaune Doux'.

287243. 'Weiko II'.

287244 to 287252.

From India. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater, Okla. Received Mar. 18, 1963.

287244 to 287249. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

287244. Col. No. 8-52. Adjacent to a waterhole, west side of the road, north side of Himyat Sagar, Hyderabad, A.P. Elevation 1,700 feet.

287245. Col. No. 8-53. Adjacent to a waterhole, west side of the road, north side of Himyat Sagar, Hyderabad, A.P. Elevation 1,700 feet.

287246. Col. No. 8-54. Grass plots north of the Government Research Station, Rajendra Nagar area. Elevation 1,700 feet.

287247. Col. No. 10-59. Near Ravikole, on the Hyderabad-Bangalore road, Maub Nagra District. Elevation 2,100 feet.

287248. Col. No. 10-61. Grey soil, near Ravikole, Maub Nagra District.

287249. Col. No. 10-62. Lakeside about five miles southwest of the Mahabba Nagar Valley area, 72 miles southwest of Hyderabad, A.P.

287250. CYNODON PLECTOSTACHYUS (K. Schum.) Pilg. Stargrass.

Col. No. 9-63. Introduced to the Coimbatore Agricultural College Central Farm.

287251. SPOROBOLUS ORIENTALIS Kunth Poaceae.

Col. No. 7-50. Coimbatore Agricultural College Botanic Garden. Well liked for turf.

287252. SPOROBOLUS VIRGINICUS (L.) Kunth

Col. No. 7-51. Coimbatore Agricultural College Botanic Garden.

287253 to 287256.

From Ceylon. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater, Okla. Received Mar. 18, 1963.

287253 to 287255. *CYNODON BARBERI* Rangachari & Tadul. Poaceae.

287253. Col. No. 11-64. Sea level, Galle Face Park, Colombo.

287254. Col. No. 11-65. Sea level, east side of Mount Lavinia Hotel, south of Colombo.

287255. Col. No. 11-66. Sea level, roadside near Boralcaganian, Kasbawa road, south of Colombo.

287256. *CYNODON DACTYLON* (L.) Pers. Bermudagrass.

Col. No. 11-67. East side of Mount Lavinia Hotel, south of Colombo.

287257 to 287512.

From Germany. Seeds presented by the Institut für Kulturpflanzenforschung, Deutsche Akademie der Wissenschaften zu Berlin, Gatersleben. Original collections from localities indicated. Received March 19, 1963.

All code numbers were superseded by symbol AVE.

287257 to 287262. *AVENA BARBATA* Brot. Poaceae. Slender oats.

287257. 505/61. Palaeobarbassena, Greece.

287258. 528/62. Montalto Ufflugo, Prov. Cosenza, Italy.

287259. 582/62. Rocella Ionica, Prov. Reggio Calabria, Italy.

287260. 586/59. Montalto Ufflugo, Prov. Cosenza, Italy.

287261. 718/61. One km. from Mormanno, Prov. Cosenza, Italy.

287262. 719/61. Christofaleika, near Kalamata, Greece.

287263 to 287308. *AVENA BYZANTINA* Koch

287263. 120/62. Soyke, West Anatolia.

287264. 123/62. Ambeluzos, Crete.

287265. 124/62. Examillia, Greece.

287266. 125/60. Skura, near Sparta, Greece.

287267. 126/62. Boleta, near Sparta, Greece.

287268. 130/60. West Anatolia.

287269. 138/62. Ag. Exp. Sta., Ptolomais, North Greece.

287270. 140/60. Near Tomares, North Greece.

287271. 141/62. Welestinos, North Greece.

287272. 142/62. Platikambios, North Greece.

287273. 145/62. Near Asprayeli, North Greece.

287274. 146/60. Basar Kawai, Albania.

287275. 150/62. Southwest of Elosson, North Greece.

287276. 266/62. West of Iraklion, Crete.

287277. 269/62. Bossuna, Greece.

287278. 273/62. Between Durazzo and Tirana, Albania.

287279. 274/62. Southwest of Elbasan, near Lischa, Albania.

287280. 275/60. Skalla, near Belsh, Albania.

287281. 277/62. Platikambios, North Greece.

287282. 286/62. Christofaleika, near Kalamata, Greece.

287283. 333/62. Nea Selefkia, North Greece.

287257 to 287512—Continued

287284. 353/62. Ambeluzos, Crete.
 287285. 354/60. Ambeluzos, Crete.
 287286. 356/60. Between Topolia and Muli, Crete.
 287287. 257/62. Athikia, Greece.
 287288. 358/62. Longa, near Kalamata, Greece.
 287289. 359/60. Kiazuna, Greece.
 287290. 462/62. Chilomodion, Greece.
 287291. 463/62. Soyke, West Anatolia.
 287292. 499/62. Mouzia, Greece.
 287293. 537/62. Di Riace, near Torrenta, Prov. Reggio Calabria, Italy.
 287294. 538/62. Torre San Fili, Prov. Reggio Calabria, Italy.
 287295. 539/62. Di Riace, near Torrenta, Prov. Reggio Calabria, Italy.
 287296. 540/62. Torre San Fili, Prov. Reggio Calabria, Italy.
 287297. 541/62. Near Montalto Ufflugo, Prov. Cosenza, Italy.
 287298. 542/62. Near Montalto Ufflugo, Prov. Cosenza, Italy.
 287299. 543/62. Hindukush.
 287300. 546/62. Lesi, near Kalamata, Greece.
 287301. 567/62. Road to Megalopolis, near Tripolis, Greece.
 287302. 568/62. Drisa, Greece.
 287303. 569/62. Kiazuna, Greece.
 287304. 572/62. Nea Selefkia, North Greece.
 287305. 573/62. Paranithia, North Greece.
 287306. 574/62. Shen Vasil, Albania.
 287307. 576/62. Santuario di Polsi, Prov. Reggio Calabria, Italy.
 287308. 865/62. Iran.
- 287309 to 287313. AVENA FATUA L. Wild oats.**
 287309. 191/61. Chilimodion, Greece.
 287310. 267/59. Tsougrianis Limberto, Greece.
 287311. 438/61. Tsougrianis Polowitsa, near Githion, Greece.
 287312. 440/61. Marragani Karteri, Greece.
 287313. 583/62. Tsougrianis Limberto, Greece.
- 287314 and 287315. AVENA NUDA L. Naked oats.**
 287314. 508/60. 'Kleiner Nackthafer'. Institut of Ag. and Plant Breeding, Stuttgart-Hohenheim, Germany.
 287315. AS 3458/61. 'Rauhhafer aus Neustadt'. Biologische Bundesanstalt, Brounschweig, BBA 2353, Germany.
- 287316. AVENA NUDA var. INERMIS (Koern.) Asch. & Graeb.**
 782/61. 'N.O.S. Nackthafer'. From 'Kandadischer Nackt' × 'Endress Weiss'. Marktredwitz/Ofr, Germany.
- 287317 to 287385. AVENA SATIVA L. Common oats.**
 287317. 21/59. 'Krafft's Rheinischer Gelb'. Selection from landrace. Koln, Germany.
 287318. 22/59. 'Engelens Kriemhild'. 'Engelens Gelb Kriemhild' × 'Siegfried'. Buchling/Ndb., Germany.
 287319. 23/59. 'Eckendorfer Fruhhafer Borriessa'. 'Svalofs Goldregen' × 'Finnischer Landhafer'. Eckendorf, Germany.

287257 to 287512—Continued

287320. 24/59. 'Rimpaus Anderbecker Gelb'. Selection from landrace 'Sachsischer Gelber Gebirghafer'. Anderbeck, Germany.
287321. 25/59. 'Heines Gold'. 'Dippes Uberwinder' × 'F. v. Lochows Gelb'. Hadmersleben, Germany.
287322. 26/59. 'P.S.G. Goldkorn'. Selection from landrace 'Pommersche Landsorte'. Stettin, Germany.
287323. 38/60. 'Wadsacks Gelb'. Selection from 'Svalofs Goldregen'. Kutzleben, Germany.
287324. 30/59. 'Carstens VI'. From 'Carstens IV' × 'v. Lochows Gelb 9a'. Bad Schwartau, Germany.
287325. 49/59. 'F. v. Lochows Gelbhafer'. Selection from landrace 'Markische Landsorte'. Petkus, Germany.
287326. 62/59. 'Pflugs Gelber Fruhafer'. Selection from 'Steigers Leutewitzer Gelb'. Berlin, Germany.
287327. 63/59. 'Baltersbacher Glatte'. Landrace. Schlanstedt, Germany.
287328. 64/59. 'Sachsischer Fruhafer'. Landrace. Schlanstedt, Germany.
287329. 71/59. 'Eigene Sorte Gelb'. Schlanstedt, Germany.
287330. 77/59. 'Altmittweidaer Gelb'. Landrace. Schlanstedt, Germany.
287331. 81/59. 'Dietzes Gelb'. From 'Leutewitzer Gelb' × 'Kirsches Weiss'. Lobschutz, Germany.
287332. 91/59. 'Leutewitzer Gelb'. Selection from landrace 'Sachsischer Gelber Gebirghafer'. Leutewitz, Germany.
287333. 102/60. Hindu Kush, Afghanistan.
287334. 109/60. 'F. v. Lochows Petkuser Flamingstrene'. 'F. v. Lochows Gelb' × 'Oberschlesischer Weisshafer'. Hasselhorst, Germany.
287335. 112/60. 'Engelens Ingo'. 'Hohenheimer V' × 'Kleyhafer Heidegold'. Buchling/Ndb., Germany.
287336. 121/60. Crete.
287337. 122/60. Crete.
287338. 132/59. Korza, Albania.
287339. 144/59. Metsowon, North Greece.
287340. 148/59. Komanova, Yugoslavia.
287341. 149/59. Petrana, North Greece.
287342. 155/59. Prizren, Albania.
287343. 187/60. 'Luneberger Moorgold'. Selection from landrace 'Kleyhafer'. Ebstorf, Germany.
287344. 190/59. 'Kirsches Piffelbacher Gelb'. Selection from 'Svalofs Goldregen'. Elstertrebnitz, Germany.
287345. 198/62. 'Carstens VII'. 'Carstens VIII' × 'Luneberger Kleyhafer' × 'Pflugs Fruhafer'. Bad Schwartau, Germany.
287346. 199/59. 'Breustedts Harly'. 'Dippes Uberwinder' × 'v. Lochows Gelb'. Schladen, Germany.
287347. 221/60. 'Besenhafer'. Landrace. Saatbau, Marktredwitz/Ofr., Germany.
287348. 251/59. 'Hornings Gelb'. Selection from 'Steigers Leutewitzer Gelb'. Rossleben, Germany.
287349. 252/59. 'F. v. Lochows Petkuser Flaminggold'. 'F. v. Lochows Gelb' × 'Oberschleischer Weisshafer'. Hasselhorst, Germany.

287257 to 287512—Continued

287350. 255/60. 'Luneberger-Heidegold'. Selection from landrace 'Kleyhafer'. Ebstorf, Germany.
287351. 265/59. Amebluzos, Crete.
287352. 341/59. 'Heines Ertragreichster'. Selection from 'Probsteier'. Hadmersleben, Germany.
287353. 361/59. Near Starova Ochrida Sea, Albania.
287354. 362/59. Between Lelischte and Drintat, Albania.
287355. 371/59. 'Peragis Amarela'. Agr. Expt. Sta., Sacavem, Portugal.
287356. 392/59. 'Ritzlhofer Gelb'. Inst. of Agr. Weihenstephan, Germany.
287357. 395/59. 'Firlbecks Gelbhafer'. 'Bensings Findling' × 'Flamingstrene'. Rinkam/Ndb., Germany.
287358. 402/59. 'Weihenstephaner Goten'. Selection from landrace 'Fichtelgebirgshafer'. Weihenstephan, Germany.
287359. 403/59. 'Weihenstephaner Guntram'. Weihenstephan, Germany.
287360. 425/59. 'Strubes Schlanstedter Gelb II'. Selection from landrace 'Altmittweidaer Hafer'. Schlanstedt, Germany.
287361. 428/59. 'Pergis Fruh II'. 'Finnischer Landhafer' × 'Svalofs Sieges'. Kleinwanzleben, Germany.
287362. 485/59. 'Weihenstephaner Gudrun'. Weihenstephan, Germany.
287363. 585/62. 'Goldhafer II'. Bernberg, Germany.
287364. 603/59. 'Wesermarchhafer'. Landrace. Inst. of Plant Breeding, Bernberg, Germany.
287365. 611/59. 'Thuringer'. Landrace. Inst. of Agr. and Plant Breeding, Stuttgart-Hohenheim, Germany.
287366. 613/59. 'Schottischer Gold'. Inst. of Agr. and Plant Breeding, Stuttgart-Hohenheim, Germany.
287367. 626/59. 'Kanadischer Riesen'. Inst. of Agr. and Plant Breeding, Stuttgart-Hohenheim, Germany.
287368. 628/59. 'Kleinwanzlebener Intensiv'. Inst. of Plant Breeding, Bernberg, Germany.
287369. 629/59. 'Kleinwanzlebener Universal'. Inst. of Plant Breeding, Bernberg, Germany.
287370. 659/59. 'Hadmerslebener Auswuchsfester Gelb'. Lab. of Plant Breeding, Hadmersleben, Germany.
287371. 693/60. 'Probstdorfer Gelb'. Vienna, Austria.
287372. 752/61. 'Bohnstedts Bonaner Gold'. Benau, Germany.
287373. 754/61. 'Alter Sachsischer Gelbhafer'. Landrace. Biologische Bundes-Anstalt Braunschweig, BBA 2356, Germany.
287374. 761/61. 'Gul Naesgaard'. Virungaard, Germany.
287375. 763/61. 'Salzmunder Echo'. 'Leutewitzer Gelb' × 'Goldregen' Petkus, Germany.
287376. 783/61. 'Engelens Heigo'. 'Engelens Ingo' × 'Flamingsgold' Buchling/Ndb., Germany.
287377. 800/61. 'Flamingskrone'. Lab. of Plant Breeding, Hadmersleben, Germany.
287378. 105/59. Hindu Kush, Afghanistan.
287379. 106/59. Hindu Kush, Afghanistan.

287257 to 287512—Continued

287380. 271/59. Skalla, Greece.
287381. 254/59. 'Bensings Findling'. Mutation of 'Svalofs Sieges' Grunwald, Germany.
287382. 615/59. 'Gelber Riesenfohnen'. Inst. of Agr. and Plant Breeding, Stuttgart-Hohenheim, Germany.
287383. 758/61. 'Hundsrucker Adel'. Landrace. Biologische Bundes-Anstalt, Brunschweig, BBA 2372, Germany.
287384. 42/60. 'Schwarzer Tartarischer Fahnen'. Schlanstedt, Germany.
287385. 44/62. 'Schottischer Fahnen'.
- 287386 to 287394.** AVENA SATIVA var. ARISTATA Schlecht.
287386. 8/60. 'Beseler II'. Selection from 'Probsteier'. Weende, Germany.
287387. 79/59. 'Edlers Gottinger'. Schlanstedt, Germany.
287388. 87/59. 'Rimpaus Milton'. Selection from 'Milton'. Schlanstedt, Germany.
287389. 172/60. 'Werthers Gottinger'. Selection from 'Nauener Landhafer'. Schonendorf, Germany.
287390. 180/59. 'Wirchenblatter nr. 16'. Landrace selection. Wirchenblatter, Germany.
287391. 189/59. 'Kirsches Edelweiss'. Elstertrebnitz, Germany.
287392. 694/60. 'Breustedts Regenfreund'. ('Mesdag' × 'Abed Solve') × 'Breustedts Widuking'. Schladen, Germany.
287393. 746/61. 'Loosdorfer Dreikorn'. Selection from 'Zwettles Land-sorter'. Loosdorf, Austria.
287394. 751/61. 'Badberger'. Biologische Bundes-Anstalt, Braunschweig, BBA 2310, Germany.
- 287395 to 287400.** AVENA SATIVA var. CINEREA Koern.
287395. 453/60. 'v. Brunings Winter'. Landrace winter oats. From Central Institute of Genetic and Plant Breeding, Versailles, France.
287396. 662/60. 'Z-24'. Winter oats. Agr. Inst. Zagreb, Yugoslavia.
287397. 663/60. 'Z-43'. Winter oats. Agr. Inst. Zagreb, Yugoslavia.
287398. 664/60. 'Z-202'. Winter oats. Agr. Inst. Zagreb, Yugoslavia.
287399. 661/60. 'Z-1'. Winter oats. Agr. Inst. Zagreb, Yugoslavia.
287400. 851/62. 'Lyngby Hedehavn'. Botanic Garden, Uppsala, Sweden.
- 287401 and 287402.** AVENA SATIVA var. ELIGULATA Vav.
287401. 482/59. 'Gelb Begrannter'. Landrace. Inst. of Agric. and Plant Breeding, Stuttgart-Hohenheim, Germany.
287402. 483/59. 'Goldfahnen'. Inst. of Agr. and Plant Breeding, Stuttgart-Hohenheim, Germany.
- 287403.** AVENA SATIVA var. FLAVA Koern.
- 579/62. 'Josefsberg'. Warszawa, Poland.
- 287404 to 287406.** AVENA SATIVA var. GRISEA Koern.
287404. 441/59. Anatolia.
287405. 715/61. 'Griesings Winterhafer'. Single plant selection. Roitzschgen, Germany.
287406. 869/62. 'Pin-Lan-Che-U-Sao'. China.

287257 to 287512—Continued

- 287407 to 287409. *AVENA SATIVA* var. *MONTANA* Alef.
 287407. 103/59. Hindu Kush, Afghanistan.
 287408. 104/59. Hindu Kush, Afghanistan.
 287409. 217/59. Italy.
- 287410 to 287495. *AVENA SATIVA* var. *MUTICA* Schlecht.
 287410. 1/59. 'Luneburger Kley Alte Zucht'. From landrace 'Kleyhafer'. Germany.
 287411. 4/62. 'Fischers Wirchenblatter III'. Landrace. Wirchenblatt, Germany.
 287412. 10/59. 'Heines Silberhafer'. From 'Carstens III' × 'Nopsae'. Hadmersleben, Germany.
 287413. 12/59. 'Lischower Fruhafer'.
 287414. 13/59. 'Endress Weisshafer'. 'Endress Franken' × 'Plugs Fruh' × 'Flaminggold'. Horlachen/Ofr., Germany.
 287415. 15/59. 'Edlhofer'. Landrace. Marktredwitz/Ofr., Germany.
 287416. 17/59. 'Mahndorfer Fruh'. From 'Alter Mahndorfer' × 'Carstens'. Hadmersleben, Germany.
 287417. 18/59. 'Luneburger Kley'. From landrace 'Kleyhafer'. Germany.
 287418. 20/59. 'Duppauer Mittelfruh'. Selection from landrace. West Bohemia, C.S.S.R.
 287419. 32/59. 'Tepler Hochland'. Marktredwitz/Ofr., Germany.
 287420. 47/59. 'Brandts Gretchen'. Selection from 'Strubes Schlanstedter Weiss I'. Toitenwinkel, Germany.
 287421. 54/59. 'Heidegold'. Schlanstedt, Germany.
 287422. 56/59. 'Dippes Uberwinder'. Selection from 'Svalofs Siegeshafter'. Quedlinburg, Germany.
 287423. 58/59. 'Kirsches Pffifelbacher Weiss'. Selection from 'Schwedischer Weisshafer'. Pffifelbach, Germany.
 287424. 59/59. 'Luneburger Kley Neue Zucht'. Selection from landrace 'Kleyhafer'. Saatzucht Ebstorf, Germany.
 287425. 60/59. 'Ebstorfer Kley 181'. Selection from landrace 'Luneburger Kley Landsorte'. Germany.
 287426. 61/59. 'Kleykonig'. Schlanstedt, Germany.
 287427. 65/60. 'Alter Sachsischer Fruhafer'. Saxonia landrace. Schlanstedt, Germany.
 287428. 66/59. 'Eigene Sorte Alt'. Schlanstedt, Germany.
 287429. 67/59. 'Eigene Sorte Neu'. Schlanstedt, Germany.
 287430. 68/59. 'Draeger II'. Selection from 'Sebenter I'. Sebent, C.S.S.R.
 287431. 69/59. 'Endress Franken'. Selection from landrace 'Fichtelgebirgshafer'. Horlachen/Ofr., Germany.
 287432. 84/59. 'Jagers Duppauer'. Landrace selection. Germany.
 287433. 85/59. 'Loosdorfer Zweikorn'. Loosdorf, Austria.
 287434. 86/59. 'Beseler I'. Selection from 'Anderbecker Hafer'. Weende (near Gottingen), Germany.
 287435. 88/59. 'Draeger I'. Spontaneous cross, 'Beseler II' × 'Gelbhafer'. Sebent, C.S.S.R.
 287436. 89/59. 'Lischower Kurassier'. Selection from landrace 'Mecklenburger Landhafer'. Lischow, Germany.

287257 to 287512—Continued

287437. 92/60. 'Hornings Weiss'. Selection from 'Steigers Leute-witzer Gelb'. Rossleben, Germany.
287438. 100/59. 'Strubes Weissshafer'. Schlanstedt, Germany.
287439. 101/59. 'Strubes Weissshafer I'. Selection from 'Milton' Schlanstedt, Germany.
287440. 107/59. Hindukush.
287441. 135/59. Prens, Albania.
287442. 136/59. Veri, Northern Greece.
287443. 154/59. Near Horina, Albania.
287444. 168/59. 'Endress Hadilo'. Horlachen/Ofr., Germany.
287445. 173/59. 'Kraffts Rheinischer Weiss'. 'Beseler II' × 'Petkuser Gelb'. Koln, Germany.
287446. 177/59. 'von Gunther Weiss'. Marktredwitz/Ofr., Germany.
287447. 178/59. 'Duppauer 851'. Selection from landrace. West Bo-hemia, C.S.S.R.
287448. 181/59. 'Waldler Hafer A'. Bavaria landrace. Marktredwitz/Ofr., Germany.
287449. 183/59. 'Sechsamterhafer'. Landrace. Marktredwitz/Ofr., Germany.
287450. 186/59. 'Schrickers Weiss 39'. Selection from landrace 'Fichtelgebirgs-Sechsamter-Hafer'. Raumentengrun, Germany.
287451. 188/59. 'Duppauer 31'. Selection from landrace. West Bo-hemia, C.S.S.R.
287452. 194/59. 'Peragis Weiss'. 'Finnischer Landhafer' × 'Svalofs Sieger'. Kleinwanzleben, Germany.
287453. 197/59. 'Fichtelgebirgshafer II'. Selection from landrace 'Fichtelgebirgshafer'. Marktredwitz/Ofr., Germany.
287454. 220/59. 'Fichtelgebirgshafer Alt'. Selection from landrace 'Fichtelgebirgshafer'. Marktredwitz/Ofr., Germany.
287455. 222/59. 'Schlagler'. Selection from Australian landrace. Marktredwitz/Ofr., Germany.
287456. 226/59. 'Dahlenburger'. Landrace. Marktredwitz/Ofr., Ger-many.
287457. 239/59. 'Calenberger'. Landrace.
287458. 240/59. 'Engelens S.H.K.125. Buchling/Ndb., Germany.
287459. 247/59. 'Streckenthiner 9'. Selection from landrace 'Wobesder Landhafer'. Streckenthin, Germany.
287460. 257/59. 'Friedrichswerther Berg'. Selection from 'Beseler Hafer'. Friedrichswerth, Germany.
287461. 287/59. Pindus, North Greece.
287462. 288/59. Wisi Prassa, North Greece.
287463. 298/59. 'Ebstorfer Weissshafer'. From 'Luneberger Kleyhafer Linie By 99' × 155/09. Ulzen, Germany.
287464. 302/59. 'Bernstedts Wisukind'. 'Dippes Uberwinder' × 'v. Lochows Gelb'. Schladen, Germany.
287465. 304/59. 'Hohenheimer V'. 'Beseler II' × 'v. Lochows Gelb'. Hohenheim, Germany.
287466. 309/59. 'V Kalbens Vienauer'. Selection from 'Ligowo'. Vie-nau, Germany.

287257 to 287512—Continued

287467. 310/59. 'Lohmanns Weender IV'. 'Dippes Überwinder' × 'Finnischer Schwarzhafer'. Weende, Germany.
287468. 315/59. 'Mauerner Weiss'. Sortenamnt Rethman, Germany.
287469. 343/59. 'Streckenthiner I'. Selection from landrace 'Wobesder Landhafer'. Streckenthin, Germany.
287470. 377/59. 'Harzer Gegirgshafer'. Landrace. Schladen, Germany.
287471. 384/59. 'Fichtelgebirgshafer'. Landrace. Marktredwitz/Ofr., Germany.
287472. 390/59. 'Lang-Doerflers Weihenstephaner Weisshafer'. 'Carsten III' × 'Streckenthiner II'. Niederstraubling, Germany.
287473. 394/59. 'Weisser Moorhafer'. Landrace. Saatzucht Rothenburg, Germany.
287474. 404/59. 'Weihenstephaner Spitzkorn'. Inst. of Agr. and Plant Breeding, Stuttgart-Hohenheim, Germany.
287475. 479/59. 'Baerwalder'. Inst. of Agr. and Plant Breeding, Stuttgart-Hohenheim, Germany.
287476. 584/62. 'Holdi'. Inst. of Plant Breeding, Bernberg, Germany.
287477. 602/59. 'Asta'. Inst. of Plant Breeding, Bernberg, Germany.
287478. 616/59. 'Viktoria'. Marktredwitz/Ofr., Germany.
287479. 620/59. 'Garlstorfer Bardenhafer'. Selection from 'Svalofs Sieges'. Garlstorf, Germany.
287480. 621/59. 'Jassener Landhafer'. Selection from 'v Kalbens Vie-nauer'. Jarsen, Germany.
287481. 633/59. 'Kleinwanzlebner Omeko'. Inst. of Plant Breeding, Kleinwanzleben, Germany.
287482. 634/59. 'Kleinwanslebener Bordeweiss'. Inst. of Plant Breeding, Kleinwansleben, Germany.
287483. 689/60. 'Probstdorfer Weiss'. Vienna, Austria.
287484. 690/60. 'Achleithner Weiss'. Vienna, Austria.
287486. 744/61. 'Flamingsweiss'. Petkus, Germany.
287485. 691/60. 'Schlagler II'. Vienna, Austria.
287487. 753/61. 'Himmels Fruher August'. Biologische Bundes-Anstalt Braunschweig, BBA 2326, Germany.
287488. 755/61. 'Schliephakes Harald'. 'Leutewitzer Gelbhafer' × 'Französischer Schwarzhafer'.
287489. 757/61. 'Mettes Ligowo II'. Selection from 'Ligowo'. Quedlinburg, Germany.
287490. 762/61. 'Weisser Kornerhafer und Lobau'. Saxonia landrace. Biologische Bundes-Anstalt Braunschweig, BBA 2389, Germany.
287491. 764/61. 'Lischower Hedwig'. Selection from 'Mecklenburger Landhafer'. Lischow, Germany.
287492. 774/62. 'Nordharzer Burg'. Selection from 'Svalofs Sieger'. Binder, Germany.
287493. 793/61. 'Flamingsweiss II'. Petkus, Germany.
287494. 802/62. 'F. v. Lochows Petkuser Weiss'. From 'Svalofs Adler' × 'Streckenthiner 9'. Hasselhorst, Germany.
287495. 868/62. 'Tshan-Vei-E-Shen-Tshun'. From China.

287496 to 287503. AVENA SATIVA var. NIGRA Schrank

287257 to 287512—Continued

287496. 38/59. 'Grossmogul', synonyms 'Svalofs Grossmogul' and Stormogul'. Schlandstedt, Germany.
287497. 185/59. 'Westfinnischer Schwarz'. Landrace selection. Marktredwitz/Ofr., Germany.
287498. 225/59. 'Schwarzer Präsident'. Landrace. Marktredwitz/Ofr., Germany.
287499. 313/59. 'Rotenburger Schwarzhafer'. 'Landrace. Stortenamt Rethmar, G.F.R.
287500. 347/59. 'Moorhafer S.H.' Inst. of Plant Breeding, Leipzig, Germany.
287501. 397/59. 'Oberpfälzer Unterried A'. Landrace selection. Inst. of Agr., Weihenstephan, Germany.
287502. 398/59. 'Reinhardt Oberkosel'. Inst. of Agr., Weihenstephan, Germany.
287503. 400/59. 'Schwarzer Etampes'. French landrace. Inst. of Agr., Plant Breeding, Stuttgart-Hohenheim, Germany.
- 287504 to 287506.** AVENA SATIVA var. OBTUSATA Alef.
287504. 232/59. 'Odenwalder Strauss'. Landrace. Marktredwitz/Ofr., Germany.
287505. 235/59. 'Sobotkaer Fahnen'. Selection from 'Thüringer Landhafer'. Sobotka, Poland.
287506. 481/62. 'Weisser Unbegrannter'. Stuttgart-Hohenheim, Germany.
- 287507 to 287512.** AVENA STERILIS L. **Animated oats.**
287507. 245/61. Near Tripolis, Greece.
287508. 282/61. Near Githion, Greece.
287509. 446/62. Near Kalamata, Greece.
287510. 531/62. Rocella Jonica. Prov. Reggio Calabria, Italy.
287511. 532/62. Near Corolei, Prov. Cosenza, Italy.
287512. 723/61. Near Torrento di Riale, Prov. Reggio Calabria, Italy.
- 287513 and 287514.** CARTHAMUS LANATUS L. Asteraceae.
- From Yugoslavia. Seeds presented by the United States Embassy, Belgrade. Received Mar. 20, 1963.
287513. S-101.
287514. S-102.
- 287515.** DICHANTHIUM ARISTATUM (Poir.) C. E. Hubb. Poaceae.
- From the Philippines. Seeds presented by the Araneta University, Manila. Received Mar. 20, 1963.
- Received as 'Alabang X' grass.
- 287516.** LENS CULINARIS Medic. Fabaceae. **Lentil.**
- From Turkey. Seeds presented by the College of Agriculture, University of Ankara, Ankara. Received Mar. 20, 1963.
- 'Kirmizi Mercimek'. From Gaziantep.
- 287517 to 287522.**
- From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Mar. 20, 1963.
287517. ARUNDINELLA NEPALENSIS Trin. Poaceae.

287517 to 287522—Continued

287518. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

Collected in Kashmir. I.W. 1949.

287519. *PENNISETUM MASSAICUM* Stapf Poaceae.

E.C. 7070.

287520. *PENNISETUM PEDICELLATUM* Trin.

I.W. 1194.

287521. *PENNISETUM POLYSTACHYON* (L.) Schult.

I.W. 1154.

287522. *PENNISETUM RAMOSUM* (Hochst.) Schweinf.

E.C. 7068.

287523 to 287528. *BRASSICA NAPUS* var. *NAPOBRASSICA* (L.)

Reichb. Brassicaceae.

Rutabaga.

From Canada. Seeds presented by the Division of Forage Plants, Dominion Experiment Farm, Nappan, Nova Scotia. Received Mar. 20, 1963.

287523. 'Bangholm Swede'.

287524. 'Chignecto Swede'.

287525. 'Danish Giant Swede'.

287526. 'Ditmar's Bronze Top Swede'.

287527. 'Laurentian Swede'.

287528. 'Wilhelmsburger Swede'.

287529. *MALUS SYLVESTRIS* Mill. Malaceae.

From Japan. Scions presented by the Aomori Apple Experiment Station, Kuroishi-City, Aomori Prefecture. Received Mar. 21, 1963.

'Toko' ('Golden Delicious' × 'Indo').

287530. *ALLIUM SATIVUM* L. Liliaceae.

Garlic.

From Egypt. Bulbs presented by the Faculty of Agriculture, University of Cairo, Giza. Received Mar. 21, 1963.

287531 to 287534.

From Italy. Seeds purchased from Carmine Faraone Mennella, Naples. Received Mar. 22, 1963.

287531 and 287532. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae.

Squash.

287531. 'Long Neopolitan'. Flesh red.

287532. 'Round Neopolitan'. Flesh red.

287533 and 287534. *LAGENARIA LEUCANTHA* (Duch.) Rusby. Cucurbitaceae. Calabash gourd.

287533. Fruit long, light green.

287534. 'Zucca del Pellegrino'.

287535 to 287537.

From the Netherlands. Seeds presented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received Mar. 22, 1963.

287535. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. **Cabbage.**

P.P. 24. 'Storage White'.

287536 and 287537. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

287536. C-I-A. 'Cornell'. Seeds roundish, black.

287535 to 287537—Continued

287537. 62246. 'Widusa' ('Double White Stringless' × U.S. No. 5 Refugee). Seeds white, navy bean type. Resistant to BV1 but susceptible to BV2 and anthracnose.

287538. NICOTIANA TABACUM L. Solanaceae.

From the Federation of Rhodesia and Nyasaland. Seeds presented by the Tobacco Research Board of Rhodesia and Nyasaland, Salisbury. Received Mar. 22, 1963.

R 83, line 256-1. Selection for field resistance to *Meloidogyne javanica*.

287539 and 287540. ALLIUM CEPA L. Liliaceae. Onion.

From Israel. Seeds presented by Hazera Ltd., Haifa. Received Mar. 22, 1963.

287539. 'Aichi Shiro'.

287540. 'Egyptian'.

287541 to 287553.

From Poland. Seeds presented by the Plant Breeding and Acclimatization Institute, Krakow. Received Mar. 22, 1963.

287541. *FESTUCA OVINA* L. Poaceae. Sheep fescue.

287542. *FESTUCA PULCHELLA* Schrad.

287543 to 287551. *FESTUCA RUBRA* L. Red fescue.

287543. Grebalowska.

287548. Pulawska.

287544. Nakielaka.

287549. Zernichower.

287545. Pulawska.

287550. Grodkowice.

287546. Brudzynska.

287551. Pulawy.

287547. Grebalowska.

287552. *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel Shade fescue. Grebalowska.

287553. *FESTUCA RUBRA* var. *GLAUCESCENS* (Heget. & Heev) Richt. Jastarnia.

287554 to 287705. SORGHUM BICOLOR (L.) Moench Poaceae.

From the Federation of Rhodesia and Nyasaland. Seeds presented by the Matopos Research Station, Bulawayo. Received Mar. 22, 1963.

287554. 1/56/F. Feterita Maatuk.

287555. 1/57/F. Rustenburg.

287556. 1/58/G. Giant sorghum.

287557. 2/56/F. Feterita Maatuk.

287558. 3/56/G. Feterita Maatuk.

287559. 4/56/F. Feterita Maatuk.

287560. 5/56/F. Feterita Maatuk.

287561. 6/56/F. Feterita Maatuk.

287562. 7/56/F. Feterita Maatuk.

287563. 8/56/F. Feterita Wad Umm Benein.

287564. 9/56/F. Feterita Wad Umm Benein.

287565. 10/56/G. Feterita Wad Umm Benein.

287566. 11/56/F. Feterita Wad Umm Benein.

287567. 11/60/. Framida.

287568. 12/56/G. Feterita Wad Umm Benein.

287554 to 287705—Continued

287569. 13/56/G. Feterita Wad Umm Benein.
287570. 14/56/F. Feterita Wad Umm Benein.
287571. 14/60/F. Barotse.
287572. 15/56/G. Feterita Wad Umm Benein.
287573. 16/51/G. Gatooma.
287574. 16/56/F. Feterita Wad Umm Benein.
287575. 17/56/G. Feterita Wad Umm Benein.
287576. 18/56/G. Feterita Wad Umm Benein.
287577. 19/56/FG. Feterita Wad Umm Benein.
287578. 20/56/G. Feterita Wad Umm Benein.
287579. 21/56/F. Feterita Wad Umm Benein.
287580. 22/56/F. Feterita Wad Umm Benein.
287581. 23/56/F. Feterita Wad Umm Benein.
287582. 23/59. Velvet sorghum.
287583. 24/56/G. Feterita Wad Umm Benein.
287584. 24/57/. Velvet sorghum.
287585. 25/56/G. Feterita Wad Umm Benein.
287586. 26/56/F. Feterita Wad Umm Benein.
287587. 27/51/F. Treta.
287588. 27/52/F. Borman.
287589. 27/56/E. Feterita Wad Umm Benein.
287590. 28/56/G. Feterita Wad Umm Benein.
287591. 29/56/G. Feterita Wad Umm Benein.
287592. 29/61/G. Chigwadara.
287593. 30/56/G. Feterita Wad Umm Benein.
287594. 31/56/F. 'Bahana 2/5'.
287595. 32/56/F. 'Bahana 2/6'.
287596. 33/56/F. 'Bahana 2/7'.
287597. 34/56/F. 'Bahana 2/8'.
287598. 35/56/G. 'Bahana 25/7'.
287599. 36/56/G. 'Bahana 63/5'.
287600. 36/59/E. Rustenburg.
287601. 37/56/F. 'Bahana 63/6'.
287602. 38/56/F. Wad Yabis.
287603. 39/48/F. Feterita.
287604. 39/56/F. Wad Yabis.
287605. 48/52/G. Unnamed.
287606. 50/52/F. W.5.B.G.
287607. 50/56/G. Wad Yabis.
287608. 51/56/F. Wad Beshir.
287609. 52/56/F. Mugbash.
287610. 52/59/G. 5/58/2.
287611. 53/56/F. Gadam el Blamam.
287612. 54/56/F. Dinderawi.

287554 to 287705—Continued

287613. 55/56/F. Wad Akr.
 287614. 56/56/D. Mugbash.
 287615. 57/51/D. 'Bathoen White'.
 287616. 57/56/F. 'Bahana OTLR 143'.
 287617. 58/56/G. Abu Digais.
 287618. 59/51/. 'Lothamoreng White'.
 287619. 59/52/. Native.
 287620. 59/56/G. El Fadni.
 287621. 60/52/F. Native.
 287622. 60/56/F. Wad Akr.
 287623. 61/56/F. Gadam el Blamam.
 287624. 64/56/F. Khama.
 287625. 70/52/D. MN 48.
 287626. 70/56/G. 'Victoria Short'.
 287627. 71/52/. MN 12.
 287628. 72/56/G. Induna.
 287629. 72/56/F. Mtama Red.
 287630. 74/56/F. Mtama Orange.
 287631. 84/60/F. 15 No. 1073.
 287632. 88/57. Blaakdoom.
 287633. 89/60/G. Framida.
 287634. 91/56/D. Treveta.
 287635. 93/56/D. Shawgaan.
 287636. 99/56/F. Belingwe.
 287637. 104/56/F. Y.5.H.
 287638. 106/57/F. Gibumbana.
 287639. 107/53/F. Kabunde.
 287640. 107/57/F. Nterwane.
 287641. 108/53/F. Nyanza.
 287642. 108/57. 'Kongo No. 1'.
 287643. 109/57/F. Kwahlamba.
 287644. 110/57/F. Nkotshana.
 287645. 110/59/F. 15 No. 2251.
 287646. 111/57/F. 'Trweta No. 1'.
 287647. 111/59/F. 15 No. 1015.
 287648. 112/57/F. 'Trweta No. 2'.
 287649. 112/59/F. 15 No. 1019.
 287650. 113/57/F. Irikotami Erinihlope.
 287651. 114/53/G. Kano.
 287652. 114/56/F. S-50-45.
 287653. 114/57/G. 'Kongo No. 2'.
 287654. 115/53/. 'Ng'hollongo'.
 287655. 115/57/F. 'Umhlotshana'.
 287656. 117/56/. 5-50-76.

287554 to 287705—Continued

287657. 118/51/F. 'Potch 37'.
287658. 120/59/G. 15 No. 2245.
287659. 121/56/. S-50-74.
287660. 123/56/. S-50-32.
287661. 124/59/. I.S. No. 1803.
287662. 125/59/E. I.S. No. 1148.
287663. 125/59/E. I.S. No. 1584.
287664. 127/52/F. Kano Jowari.
287665. 127/53/F. Abu Kudur.
287666. 128/53/D. 'Ureyera White'.
287667. 128/59/E. I.S. No. 1060.
287668. 129/53/G. Wad Akr.
287669. 129/59/F. I.S. No. 1056.
287670. 130/53/G. Mugbash.
287671. 130/59/. I.S. No. 2645.
287672. 132/53/F. Wad Yabgo.
287673. 139/51/F. Feterita Mils.
287674. 151/56/G. Gimokwe.
287675. 157/57. Chitichi.
287676. 160/57/. Sibedhlana.
287677. 161/51/D. Jowar.
287678. 161/57/D. Mundende.
287679. 162/57/F. Cifumbata.
287680. 169/56/. Kawanda Sakiva.
287681. 170/51/G. Swaziland.
287682. 170/56/G. 'Managil Dwarf'.
287683. 172/51/F. Feterita Sukki.
287684. 175/51/G. 'Kawanda T27'.
287685. 200/56/F. 'Sambuon S2'.
287686. 201/56/F. 'Sambuon S3'.
287687. 202/56/F. 'Sambuon S4'.
287688. 203/56/F. 'Sambuon S5'.
287689. 204/56/. 'Sambuon S6'.
287690. 205/56/D. 'Angoni S1'.
287691. 209/56/G. 'Angoni S5'.
287692. 211/56. 'Angoni S7'.
287693. 241/56/G. 'Swazi Red'.
287694. 242/56/F. Rustenburg.
287695. 243/56/F. 56 K1.
287696. 244/56/F. 56 K3.
287697. 245/56/F. 56 K6.
287698. 246/56/F. 56 K11.
287699. 247/56/F. 56 K14.
287700. 248/56/F. 56 K17.

287554 to 287705—Continued

287701. 249/56/F. 56 K37.

287702. 250/56/F. 56 K1011.

287703. 253/56/F. 56 K138.

287704. 254/56/G. 56 K139.

287705. 255/56/D. 56 K178.

287706. SACCHARUM (hybrid). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Experiment Station, Hawaiian Sugar Planters' Association, Honolulu. Received Mar. 22, 1963.

‘H. 109’.

287707 and 287708.

From India. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received Mar. 25, 1963.

287707. *CYNODON ARCUATUS* J. S. Presl ex K. B. Presl Poaceae.

Col. No. 13–82. Dry, sandy, rocky soil, Forest Rest House, Pakhal. Elevation 290 meters.

287708. *CYNODON DACTYLON* (L.) Pers. Bermudagrass.

Col. No. 13–81. Warm clay along Pakhal Lake, 7 miles from Narsampet, Warrangal District, Andhra Pradesh. Elevation 290 meters.

287709. DESMODIUM VARIANS G. Don Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 25, 1963.

C-1129.

287710. INDIGOFERA LINIFOLIA (L.f.) Retz. Fabaceae.

From New Caledonia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra, Australia. Received Mar. 25, 1963.

C.P.I. 32253.

287711. HIBISCUS CAMERONII Knowles & Westc. Malvaceae.

From Denmark. Seeds presented by the Universitetets Botaniske Have, Kobenhavn. Received Mar. 25, 1963.

287712. SANGUISORBA OFFICINALIS var. CARNEA (Fischer) Regel Rosaceae.

From Japan. Seeds presented by the Matsuyama Agricultural College, Matsuyama, Ehime-Ken. Received Mar. 25, 1963.

Spontaneous in Kyushu.

287713 to 287715.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Mar. 25, 1963.

287713. *DATURA DISCOLOR* Bernh. Solanaceae.

Col. No. 19356. Oct., 1961. Silty river bottom, junction of Rio Yaqui and Highway 15, Sonora. Elevation 75 feet. Spreading annual to 3 feet high; corolla white with purple in throat.

287714. *DATURA INOXIA* Mill.

Col. No. 19550. Nov. 21, 1961. Roadside Highway 15 and barrow pit, 34 miles south of Guadalajara, Jalisco. Elevation 5,150 feet. Coarse, spreading, perennial herb to 3 feet high; roots fleshy; flowers white.

287713 to 287715—Continued

287715. *DATURA INOXIA* SUBSP. *LANOSA* Barclay

Col. No. 19444. November 1962. Disturbed roadside, short tree forest, coastal plains foothills. Elevation 600 feet. Much-branched perennial herb; foliage lanate; flowers white.

287716. *DATURA INOXIA* Mill. Solanaceae.

From Ecuador. Seeds collected by E. P. Imle, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Mar. 25, 1963.

Col. No. 121. December 1961. Dry, sandy situation, near Pacific Ocean beach, Playas. Annual rainfall 5 inches. Plant to 18 inches high; stems and leaves pubescent.

287717 to 287730.

From Japan. Seeds presented by Mr. P. H. Kubota, Nikko, Tochigi Prefecture. Received Mar. 25, 1963.

287717. *DEUTZIA UNIFLORA* Shirai Hydrangaceae.

287718. *ENKIANTHUS CERNUUS* var. *MATSUDAE* (Komatsu) Makino Ericaceae.

287719. *ENKIANTHUS PERULATUS* (Miquel) C. Schneid. White enkianthus.

287720. *ENKIANTHUS SUBSESSILIS* (Miquel) Makino

287721. *HEMEROCALLIS* (hybrid). Liliaceae.

H. middendorffii var. *esculenta* × *H. minor*.

287722. *HEMEROCALLIS MIDDENDORFFII* Trautv. & Meyer

Dwarf daylily.

287723. *HEMEROCALLIS MINOR* Mill.

287724. *LYONIA NEZIKII* Nakai & Hara Ericaceae.

287725. *MENZIESIA CILIICALYX* Maxim. Ericaceae.

287726. *TILIA JAPONICA* (Miquel) Simonk. Tiliaceae. Japanese linden.

287727. *VIBURNUM EROSUM* Thunb. Caprifoliaceae.

287728. *VIBURNUM PHLEBOTRICHUM* Sieb. & Zucc.

287729. *VIBURNUM SARGENTII* Koehne Sargent cranberrybush.

287730. *VIBURNUM WRIGHTII* Miq. Wright viburnum.

287731 to 287735. *VITIS VINIFERA* L. Vitaceae. European grape.

From Union of Soviet Socialist Republics. Cuttings presented by the Institute of Plant Industry, Leningrad. Received Mar. 26, 1963.

287731. 'Mzibani'.

287734. 'Sereksiya Rose'.

287732. 'Rkaziteli'.

287735. 'Taifi'.

287733. 'Sereksiya Black'.

ILEX CRENATA f. *CONVEXA* (Makino) Rehder Aquifoliaceae.

287736.

From Canada. Plants purchased from H. M. Eddie & Sons, Limited, Vancouver, British Columbia. Received Mar. 26, 1963.

'Golden Gem'.

287737 to 287999.

From Spain. Seeds presented by the Instituto Forestal de Investigaciones y Experiencias, Madrid, via the United States Embassy, Rome, Italy. Public Law 480 Project E-25-FS-1. Received Mar. 27, 1963.

287737. *AEGILOPS OVATA* L. Poaceae.

M-115. Toledo Province.

287737 to 287999—Continued

- 287738 and 287739. *AGROPYRON INTERMEDIUM* (Host) Beauv. Poaceae.
Intermediate wheatgrass.
287738. D-77. Albacete Prov.
287739. E-5. Madrid Prov.
- 287740 and 287741. *AGROSTIS ALBA* L. Poaceae. Redtop.
287740. F-123. Toledo Prov.
287741. F-124. Toledo Prov.
- 287742 to 287745. *AGROSTIS CASTELLANA* Boiss. & Reut.
287742. A-34. Madrid Prov.
287743. D-25. Madrid Prov.
287744. D-75. Badajoz Prov.
287745. G-35. Toledo Prov.
287746. *AGROSTIS SEMIVERTICILLATA* (Forsk.) C. Chr.
G-13. Madrid Prov.
287747. *ANTHOXANTHUM ODORATUM* L. Poaceae. Sweet vernalgrass.
M-72. Ciudad Real Prov.
- 287748 to 287751. *ANTHYLLIS CORNICINA* L. Fabaceae.
287748. C-86. Toledo Prov.
287749. M-66. Ciudad Real Prov.
287750. M-109. Toledo Prov.
287751. M-134. Madrid Prov.
287752. *ANTHYLLIS CYTISOIDES* L.
C-54. Cadiz Prov.
- 287753 to 287759. *ANTHYLLIS LOTOIDES* L.
287753. M-10. Madrid Prov.
287754. M-104. Toledo Prov.
287755. M-108. Toledo Prov.
287756. M-117. Toledo Prov.
287757. M-149. Badajoz Prov.
287758. M-157. Madrid Prov.
287759. M-168. Avila Prov.
- 287760 to 287763. *ANTHYLLIS VULNERARIA* L. Kidneyvetch.
287760. M-75. Cuenca Prov.
287761. M-91. Ciudad Real Prov.
287762. M-165. Cuenca Prov.
287763. M-166. Zaragoza Prov.
- 287764 to 287766. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.
Tall oatgrass.
287764. B-47. Cuenca Prov.
287765. E-7. Ciudad Real Prov.
287766. E-24. Cadiz Prov.
- 287767 to 287770. *ASTRAGALUS HAMOSUS* L. Fabaceae.
287767. E-13. Cuenca Prov.
287768. F-176. Badajoz Prov.
287769. G-62. Cuenca Prov.

287737 to 287999—Continued

287770. M-15. Madrid Prov.
- 287771 and 287772. *ASTRAGALUS MACRORRHIZUS* Cav.
287771. M-82. Albacete Prov.
287772. M-93. Albacete Prov.
287773. *ASTRAGALUS SESAMEUS* L.
M-100. Albacete Prov.
287774. *ASTRAGALUS STELLA* Gouan
M-90. Guadalajara Prov.
287775. *BETA VULGARIS* L. Chenopodiaceae. Beet.
- F-21. Cadiz Prov.
- 287776 to 287782. *BISERRULA PELECINUS* L. Fabaceae.
287776. C-75. Ciudad Real Prov.
287777. G-83. Caceres Prov.
287778. M-7. Madrid Prov.
287779. M-20. Madrid Prov.
287780. M-134. Badajoz Prov.
287781. M-143. Badajoz Prov.
287782. M-147. Badajoz Prov.
287783. *BRACHYPODIUM DISTACHYON* (L.) Beauv. Poaceae. Purple falsebrome.
- F-14. Cadiz Prov.
- 287784 to 287786. *BRACHYPODIUM PHOENICOIDES* (L.) Roem. & Schult.
287784. D-4. Ciudad Real Prov.
287785. E-45. Albacete Prov.
287786. F-51. Cadiz Prov.
287787. *BRACHYPODIUM SYLVATICUM* (Huds.) Beauv.
G-7. Toledo Prov.
- 287788 to 287791. *BROMUS MOLLIS* L. Poaceae. Soft chess.
287788. A-5. Toledo Prov.
287789. C-46. Ciudad Real Prov.
287790. D-86. Toledo Prov.
287791. E-49. Ciudad Real Prov.
- 287792 to 287794. *CORONILLA SCORPIOIDES* (L.) Koch Fabaceae.
287792. F-103. Albacete Prov.
287793. G-72. Albacete Prov.
287794. M-87. Guadalajara Prov.
287795. *CYNODON DACTYLON* (L.) Pers. Poaceae. Bermudagrass.
- G-37. Madrid Prov.
287796. *CYNOSURUS ECHINATUS* L. Poaceae.
F-1. Ciudad Real Prov.
- 287797 to 287818. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
287797. A-12. Zaragoza Prov.
287798. B-35. Zaragoza Prov.
287799. C-78. Cadiz Prov.

287737 to 287999—Continued

287800. D-65. Badajoz Prov.
 287801. D-67. Madrid Prov.
 287802. D-94. Albacete Prov.
 287803. E-12. Madrid Prov.
 287804. E-12. Zaragoza Prov.
 287805. E-53. Cuenca Prov.
 287806. E-76. Badajoz Prov.
 287807. E-97. Madrid Prov.
 287808. F-69. Cadiz Prov.
 287809. F-70. Cadiz Prov.
 287810. F-127. Cadiz Prov.
 287811. F-146. Guadalajara Prov.
 287812. F-147. Cadiz Prov.
 287813. F-154. Ciudad Real Prov.
 287814. G-38. Toledo Prov.
 287815. G-44. Madrid Prov.
 287816. G-70. Albacete Prov.
 287817. M-58. Madrid Prov.
 287818. M-111. Toledo Prov.
 287819 and 287820. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
 287819. A-4. Cadiz Prov.
 287820. M-35. Madrid Prov.
 287821. *FESTUCA ELATIOR* L. Meadow fescue.
 D-72. Ciudad Real Prov.
 287822 and 287823. *FESTUCA OVINA* L. Sheep fescue.
 287822. E-40. Zaragoza Prov.
 287823. E-66. Zaragoza Prov.
 287824 to 287830. *HEDYSARUM CORONARIUM* L. Fabaceae. Sulla.
 287824. C-44. Palma Mallorca Prov.
 287825. C-61. Cadiz Prov.
 287826. C-71. Cadiz Prov.
 287827. D-14. Palma Mallorca Prov.
 287828. D-54. Palma Mallorca Prov.
 287829. F-74. Cadiz Prov.
 287830. M-50. Cadiz Prov.
 287831. *HEDYSARUM HUMILE* L. ex Loeffl.
 M-86. Guadalajara Prov.
 287832. *HEDYSARUM SPINOSISSIMUM* L.
 M-61. Cadiz Prov.
 287833 and 287834. *HIPPOCREPIS BOURGAEI* Font Fabaceae.
 287833. C-73. Albacete Prov.
 287834. G-66. Albacete Prov.
 287835. *HIPPOCREPIS COMOSA* L.
 M-73. Ciudad Real Prov.

287737 to 287999—Continued

287836. *HIPPOCREPIS GLAUCA* Ten.
G-1. Zaragoza Prov.
- 287837 and 287838. *HIPPOCREPIS MULTISILIQUOSA* L.
287837. C-63. Cadiz Prov.
287838. G-67. Guadalajara Prov.
287839. *HIPPOCREPIS SALZMANNI* Boiss. & Reut.
M-164. Cadiz Prov.
287840. *HORDEUM BULBOSUM* L. Poaceae. **Bulbous barley.**
E-47. Cadiz Prov.
287841. *HORDEUM NODOSUM* L. **Meadow barley.**
C-68. Madrid Prov.
- 287842 to 287846. *KOELERIA VALLESIANA* Bertol. Poaceae.
287842. E-8. Zaragoza Prov.
287843. E-14. Cuenca Prov.
287844. E-37. Zaragoza Prov.
287845. G-68. Cuenca Prov.
287846. M-4. Madrid Prov.
- 287847 and 287848. *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**
287847. F-65. Cadiz Prov.
287848. D-2. Ciudad Real Prov.
- 287849 to 287856. *LOLIUM PERENNE* L. **Perennial ryegrass.**
287849. C-5. Ciudad Real Prov.
287850. C-6. Ciudad Real Prov.
287851. E-6. Cuenca Prov.
287852. E-99. Cuenca Prov.
287853. F-67. Cadiz Prov.
287854. F-199. Albacete Prov.
287855. G-41. Toledo Prov.
287856. G-73. Albacete Prov.
287857. *LOLIUM RIGIDUM* Gaud. **Wimmera grass.**
F-80. Cadiz Prov.
- 287858 to 287863. *LOTUS CRETICUS* L. Fabaceae.
287858. C-22. Cadiz Prov.
287859. F-73. Cadiz Prov.
287860. F-77. Cadiz Prov.
287861. G-5. Palma Mallorca Prov.
287862. M-45. Cadiz Prov.
287863. M-49. Cadiz Prov.
287864. *MEDICAGO ARABICA* (L.) All. Fabaceae. **Spotted burclover.**
M-18. Madrid Prov.
- 287865 and 287866. *MEDICAGO GERARDII* Waldst. & Kit.
287865. C-85. Madrid Prov.
287866. G-71. Albacete Prov.

287737 to 287999—Continued

- 287867 and 287868. *MEDICAGO MINIMA* (L.) Grufbergs Little medic.
 287867. G-76. Albacete Prov.
 287868. M-94. Toledo Prov.
- 287869 to 287877. *MEDICAGO ORBICULARIS* (L.) All. Buttonclover.
 287869. C-21. Ciudad Real Prov.
 287870. C-65. Badajoz Prov.
 287871. C-87. Madrid Prov.
 287872. C-90. Cadiz Prov.
 287873. D-80. Badajoz Prov.
 287874. E-9. Cuenca Prov.
 287875. G-22. Madrid Prov.
 287876. G-77. Toledo Prov.
 287877. M-74. Ciudad Real Prov.
- 287878 to 287883. *MEDICAGO POLYMORPHA* L.
 287878. C-53. Cadiz Prov.
 287879. F-2. Caceres Prov.
 287880. M-52. Cadiz Prov.
 287881. M-53. Cadiz Prov.
 287882. M-138. Badajoz Prov.
 287883. D-87. Badajoz Prov.
- 287884 to 287887. *MEDICAGO SATIVA* L. Alfalfa.
 287884. D-78. Albacete Prov.
 287885. E-51. Zaragoza Prov.
 287886. G-64. Guadalajara Prov.
 287887. M-145. Toledo Prov.
287888. *MEDICAGO TRIBULOIDES* Desr. Barrel medic.
 M-46. Cadiz Prov.
287889. *MEDICAGO TUBERCULATA* (Retz.) Willd. Cogwheel medic.
 G-47. Ciudad Real Prov.
287890. *MEDICAGO MURICATA* Lam.
 D-3. Zaragoza Prov.
- 287891 and 287892. *MEDICAGO TURBINATA* (L.) All.
 287891. F-179. Badajoz Prov.
 287892. G-23. Toledo Prov.
287893. *MEDICAGO MURICATA* Lam.
 M-140. Badajoz Prov.
287894. *MELILOTUS INDICA* (L.) All. Fabaceae. Annual yellow sweetclover.
 F-139. Cadiz Prov.
287895. *MELILOTUS SULCATA* Desf.
 D-15. Ciudad Real Prov.
287896. *ONONIS SPECIOSA* Lag. Fabaceae.
 M-54. Cadiz Prov.
- 287897 to 287904. *ORNITHOPUS COMPRESSUS* L. Fabaceae.
 287897. C-92. Toledo Prov.

287737 to 287999—Continued

287898. F-38. Cadiz Prov.
 287899. F-72. Ciudad Real Prov.
 287900. F-126. Badajoz Prov.
 287901. F-143. Ciudad Real Prov.
 287902. G-28. Madrid Prov.
 287903. G-57. Toledo Prov.
 287904. M-160. Madrid Prov.
 287905. ORNITHOPUS PINNATUS (Mill.) Druce.
 F-171. Badajoz Prov.
 287906 to 287909. ORYZOPSIS MILIACEA (L.) Benth. & Hook. Poaceae.
 Smilograss.
 287906. E-36. Albacete Prov.
 287907. F-197. Cadiz Prov.
 287908. M-21. Madrid Prov.
 287909. M-159. Madrid Prov.
 287910. PHALARIS COERULESCENS Desf. Poaceae.
 M-44. Cadiz Prov.
 287911. PHALARIS MINOR Retz.
 M-144. Badajoz Prov.
 287912 and 287913. PHALARIS PARADOXA L.
 287912. F-141. Cadiz Prov.
 287913. M-57. Cadiz Prov.
 287914 to 287916. PHLEUM NODOSUM L. Poaceae.
 287914. C-93. Ciudad Real Prov.
 287915. F-13. Ciudad Real Prov.
 287916. G-65. Guadalajara Prov.
 287917. PHLEUM PRATENSE L. Timothy.
 G-15. Avila Prov.
 287918. POA BULBOSA L. Poaceae. Bulbous bluegrass.
 M-163. Zaragoza Prov.
 287919. POLYPOGON MONSPELIENSIS (L.) Desf. Poaceae.
 A-2. Cadiz Prov.
 287920 to 287922. PSORALEA BITUMINOSA L. Fabaceae. Scurf-pea.
 287920. C-55. Albacete Prov.
 287921. G-58. Albacete Prov.
 287922. M-89. Guadalajara Prov.
 287923 to 287930. SANGUISORBA MINOR Scop. Rosaceae. Small burnet.
 287923. A-30. Zaragoza Prov.
 287924. D-20. Ciudad Real Prov.
 287925. D-66. Ciudad Real Prov.
 287926. D-83. Toledo Prov.
 287927. E-67. Cuenca Prov.
 287928. F-105. Toledo Prov.
 287929. G-14. Toledo Prov.

287737 to 287999—Continued

287930. G-25. Zaragoza Prov.
- 287931 to 287936. SCORPIURUS SUBVILLOSA L. Fabaceae.**
287931. C-70. Cadiz Prov.
287932. F-54. Cadiz Prov.
287933. F-71. Cadiz Prov.
287934. G-43. Cadiz Prov.
287935. G-69. Albacete Prov.
287936. G-75. Albacete Prov.
- 287937. SCORPIURUS SULCATA L.**
C-66. Badajoz Prov.
- 287938 to 287940. SCORPIURUS VERMICULATA L.**
287938. C-62. Cadiz Prov.
287939. F-43. Badajoz Prov.
287940. F-148. Badajoz Prov.
- 287941. STIPA JUNCEA L. Poaceae.**
D-1. Ciudad Real Prov.
- 287942. STIPA PARVIFLORA Desf.**
M-79. Ciudad Real Prov.
- 287943. TETRAGONLOBUS SILIQUOSUS (L.) Roth. Fabaceae.**
C-89. Cadiz Prov.
- 287944. TRIFOLIUM ANGUSTIFOLIUM L. Fabaceae.**
M-55. Cadiz Prov.
- 287945 to 287953. TRIFOLIUM CAMPESTRE Schreb. Large hopclover.**
287945. M-8. Madrid Prov.
287946. M-64. Ciudad Real Prov.
287947. M-120. Toledo Prov.
287948. M-112. Toledo Prov.
287949. M-120. Toledo Prov.
287950. M-122. Toledo Prov.
287951. M-132. Caceres Prov.
287952. M-151. Badajoz Prov.
287953. M-153. Madrid Prov.
- 287954 to 287961. TRIFOLIUM CHERLERI L.**
287954. C-74. Ciudad Real Prov.
287955. M-69. Ciudad Real Prov.
287956. M-78. Ciudad Real Prov.
287957. M-110. Toledo Prov.
287958. M-136. Badajoz Prov.
287959. M-144. Toledo Prov.
287960. M-146. Badajoz Prov.
287961. M-152. Madrid Prov.
- 287962. TRIFOLIUM TOMENTOSUM L.**
M-98. Toledo Prov.

287737 to 287999—Continued

- 287963 to 287965. *TRIFOLIUM GEMELLUM* Pourr ex. Willd.
 287963. M-17. Madrid Prov.
 287964. M-65. Ciudad Real Prov.
 287965. M-155. Madrid Prov.
- 287966 to 287971. *TRIFOLIUM GLOMERATUM* L. Cluster clover.
 287966. M-1. Madrid Prov.
 287967. M-97. Toledo Prov.
 287968. M-105. Toledo Prov.
 287969. M-131. Caceres Prov.
 287970. M-135. Madrid Prov.
 287971. M-167. Avila Prov.
- 287972 to 287975. *TRIFOLIUM HIRTUM* All. Rose clover.
 287972. C-58. Badajoz Prov.
 287973. M-38. Madrid Prov.
 287974. M-41. Madrid Prov.
 287975. M-83. Madrid Prov.
287976. *TRIFOLIUM BACCONI* Savi.
 M-119. Toledo Prov.
- 287977 and 287978. *TRIFOLIUM LAGOPUS* Pourr.
 287977. G-84. Madrid Prov.
 287978. M-6. Madrid Prov.
287979. *TRIFOLIUM SCABRUM* L.
 M-77. Ciudad Real Prov.
287980. *TRIFOLIUM LAPPACEUM* L. Lappa clover.
 M-62. Cadiz Prov.
287981. *TRIFOLIUM MARITIMUM* Huds.
 M-48. Cadiz Prov.
287982. *TRIFOLIUM PARVIFLORUM* Ehrh.
 M-16. Madrid Prov.
287983. *TRIFOLIUM PHLEOIDES* Pourr.
 M-116. Toledo Prov.
- 287984 and 287985. *TRIFOLIUM PRATENSE* L. Red clover.
 287984. M-80. Albacete Prov.
 287985. M-170. Avila Prov.
- 287986 to 287992. *TRIFOLIUM REPENS* L. Whiteclover.
 287986. M-14. Madrid Prov.
 287987. M-40. Madrid Prov.
 287988. M-59. Cadiz Prov.
 287989. M-88. Albacete Prov.
 287990. M-113. Toledo Prov.
 287991. M-123. Caceres Prov.
 287992. M-169. Avila Prov.
- 287993 and 287994. *TRIFOLIUM RESUPINATUM* L. Persian clover.
 287993. M-47. Cadiz Prov.

287737 to 287999—Continued

287994. M-56. Cadiz Prov.
 287995. TRIFOLIUM STELLATUM L.
 M-42. Cadiz Prov.
 287996. TRIFOLIUM HIRTUM All.
 M-156. Madrid Prov.
 287997 and 287998. TRIFOLIUM SUBTERRANEUM L. Subterranean clover.
 287997. F-31. Caceres Prov.
 287998. M-130. Caceres Prov.
 287999. TRIGONELLA MONSPELIACA L. Fabaceae.
 M-84. Guadalajara Prov.

288000 to 288011.

From the United States. Seeds collected from various sources and now held by the Department of Horticulture, University of Hawaii, Honolulu, Hawaii. Numbered Mar. 29, 1963.

- 288000 to 288008. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae.
 288000. No. 1. Hawaiian wild type. Seeds collected on Mt. Tantalus, Oahu. May, 1962.
 288001. No. 2. Entebbe Botanic Garden, Uganda.
 288002. No. 3. 'Peru'. CSIRO, Brisbane, Australia.
 288003. No. 4. 'Hauxim'. Wild type from Campo Cotaxtla, Vera Cruz, Mexico.
 288004. No. 5. Strain from Santa Cruz Porrillo, San Salvador. Plants tall, probably Hawaiian type.
 288005. No. 6. Strain from Santa Cruz Porrillo, San Salvador. Described as without mimosine, but seeds have 0.5 percent. Probably 'El Salvador' strain.
 288006. No. 7. Los Banos, Philippines.
 288007. No. 8. Cauca Valley, Colombia
 288008. No. 9. Singapore.
 288009. LEUCAENA PULVERULENTA Benth.
 No. 10. Botanic Garden, Bogor, Java.
 288010 and 288011. LEUCAENA LEUCOCEPHALA (Lam.) de Wit.
 288010. No. 11. Botanic Garden, Bogor, Java.
 288011. No. 12. Hawaiian wild type. Seeds collected at Haleakala Expt. Sta., Maui, Hawaii. Elevation 3,000 feet.

288012. BRYONIA DIOICA Jacq. Cucurbitaceae.

From Great Britain. Seeds presented by the Reading University, Reading, England. Received Mar. 29, 1963.

288013 to 288020. PHASEOLUS VULGARIS L. Fabaceae.
Common bean.

From Costa Rica. Seeds presented by the Universidad de Costa Rica, Estacion Experimental Agricola "Fabio Baudrit Moreno". Received Mar. 29, 1963.

Seeds black.

288013. 1-N. 'Negro Criollo'.
 288014. 4-N. Turrialba.

288013 to 288020—Continued

288015. 8-N. 'Negro Chingo'.
 288016. 97-N. 'Negro Nicaraguense'.
 288017. C-36-N. Originally from Cuba.
 288018. S-182-N. San Fernando. Individual selection.
 288019. 'Chimbolo' or 'Sopa de Tortuga'.
 288020. 'Huevo de Gallo' or 'Spa de Tortuga'.

288021 to 288031. PISUM SATIVUM L. Fabaceae. Garden pea.

From France. Seeds presented by Andre Blondeau Seeds, Bersee. Received Mar. 29, 1963.

Used for dry peas.

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|------------------------------|-----------------------|
| 288021. 'Clamart & Gousses'. | 288027. 'Saveurfine'. |
| 288022. 'Firstcovert'. | 288028. 'Starcovert'. |
| 288023. 'Flandresquis'. | 288029. 'Starnain'. |
| 288024. 'Primcovert'. | 288030. 'Supcovert'. |
| 288025. 'Quiki'. | 288031. 'Voicovert'. |
| 288026. 'Ridesvert'. | |

288032 and 288033. TRITICUM TIMOPHEEVI Zhuk. Poaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 29, 1963.

288032. 103 S.R.D. M62. W.516.
 288033. 11323-M60. C 15604.

288034. COMBRETUM PANICULATUM Vent. Combretaceae.

From Ethiopia. Seeds presented by the United States Agency for International Development, Jimma. Received Mar. 29, 1963.

Vicinity of Jimma, Kaffa Prov. Scrambling woody vine over bushes and trees; flowers scarlet, in a wide-spreading panicle.

288035 to 288057.

From India. Seeds collected by W. W. Huffine, Oklahoma Agricultural Experiment Station, Stillwater. Received March 29, 1963.

288035. AGROSTIS sp. Poaceae.
 Col. No. 3-15. Reddish sandy-clay soil, Ootacamund Botanic Garden. Elevation 7,200 feet.
288036. BOTHRIOCHLOA FOULKESII (Hook f.) Henr. Poaceae.
 Col. No. 3-28. Collected in wild at Soil Conservation Scheme Nursery, Ootacamund. Elevation 7,500 feet. Plants abundant.
288037. BOTHRIOCHLOA INSCULPTA (Hochst.) A. Camus
 Col. No. 3-29. Collected in wild at Soil Conservation Scheme Nursery, Ootacamund. Elevation 7,500 feet. Plants abundant.
288038. BOTHRIOCHLOA PERTUSA (L.) A. Camus
 Col. No. 4-30. Collected in wild on sandy bank adjacent to irrigated rice-field 2 miles north of Abiyar Dam, Pollachi-Abiyar road.
288039. CAPILLIPEDIUM HUEGELII (Hack.) A. Camus Poaceae.
 Col. No. 3-27. Dry, exposed western slope of the Nilgiri Hills, north of the Pykara Dam. Elevation 6,700 feet.
288040. CAPILLIPEDIUM sp. Poaceae.
 Col. No. 3-18. Very dry, western granite slope of the Nilgiri Hills, near the Pykara Dam. Elevation 6,500 feet.

288035 to 288057—Continued

- 288041.** *CYNODON ARCUATUS* J. S. Presl ex K. B. Presl Poaceae.
Col. No. 6-49. Open sandy site, Kallar Gardens, Arecanut Development Scheme Nursery, Fruit Research Station, Kallar. Elevation 2,500 feet.
- 288042.** *CYNODON BARBERI* Rangachari & Tadul.
Col. No. 5-41. Flat, gravelly site, Agricultural College Wet Lands, Coimbatore. Elevation 1,400 feet.
- 288043 to 288046.** *CYNODON DACTYLON* (L.) Pers. Bermudagrass.
288043. Col. No. 4-35. Roadside 2 miles north of Abiyar Dam, Pol-lachi-Abiyar road. Elevation 1,000 feet.
288044. Col. No. 4-36. Alluvial sandy soil, in park adjacent to river. Anaimalai, 10 miles west of Pollachi. Elevation 2,000 feet.
288045. Col. No. 9-55. Rolling terrain, Government Maize Research Station, Amberpet, Hyderabad. Elevation 1,700 feet.
288046. Col. No. 10-58. Rice paddy bank, Maub Nagra Dist., Banga-lore road, Hyderabad.
- 288047.** *CYNODON PLECTOSTACHYUS* (K. Schum.) Pilg. Stargrass.
Col. No. 9-57. Rolling terrain, Government Maize Research Station, Amberpet, Hyderabad. Elevation 1,700 feet.
- 288048 and 288049.** *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae. Palwan.
288048. Col. No. 5-42. Flat, gravelly soil 0.5 miles west of the Agri-cultural College Wet Lands, Coimbatore. Elevation 1,400 feet.
288049. Col. No. 10-60. Rice paddy bank, Maub Nagra Dist., Banga-lore Road, Hyderabad.
- 288050.** *DICHANTHIUM CARICOSUM* (L.) A. Camus
Col. No. 5-48. Flat heavy clay soil 0.5 miles west of the Agricultural College Wet Lands, Coimbatore. Elevation 1,400 feet.
- 288051.** *DICHANTHIUM PALLIDUM* (Hook. f.) Stapf ex C.E.C. Fisch.
Col. No. 3-14. Open slope, red clay soil, Ootacamund Botanic Gardens. Elevation 7,200 feet.
- 288052.** *DICHANTHIUM* sp. Poaceae.
Col. No. 9-56. Rolling terrain, Government Maize Research Station, Amberpet, Hyderabad. Elevation 1,700 feet.
- 288053.** *INDOCHLOA OLIGANTHA* (Hochst. ex Steud.) Bor Poaceae.
Col. No. 3-17. Very dry site, granitic western slope, Nilgiri Hills, near Pykara Dam. Elevation 6,500 feet. Plants to 8 inches high.
- 288054.** *INDOCHLOA* sp.
Col. No. 4-37. Stony roadside cut, Kavarkal, Anamalais Mountains, road to Coimbatore. Elevation 4,300 feet.
- 288055.** *INDOCHLOA* sp.
Col. No. 4-38. Porous yellow soil near tea plantation tennis courts, Panthadi Mattum, Iyerpadi. Elevation 3,600 feet.
- 288056.** *INDOCHLOA* sp.
Col. No. 4-39. Dry, stony, hilly roadside 0.5 miles south of Iyerpadi. Elevation 3,500 feet.
- 288057.** *PASPALUM SCROBICULATUM* L. Poaceae.
Col. No. 2-10. Open area, Kallar Garden, Government Fruit Research Station, Kallar. Plants leafy, appear to withstand considerable traffic, abundant; leaf blades wide.

288058 to 288062. FRAGARIA (hybrids). Rosaceae.

From the Netherlands. Plants presented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received Mar. 29, 1963.

Numbered Apr. 2, 1963.

288058. 'Glaşa'.

288061. 'Repita'.

288059. 'Gorella'.

288062. 'Revada'.

288060. 'Regina'.

288063. SACCHARUM (hybrid). Poaceae. Sugarcane.

From the Republic of South Africa. Cuttings presented by the South African Sugar Association, Experiment Station, Mount Edgecombe, Natal. Received Apr. 2, 1963.

288064 to 288068.

From Ceylon. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received Apr. 3, 1963.

288064. *CAPILLIPIDIUM VENUSTUM* (Thw.) Bor Poaceae.

Col. No. 11-79. Collected in the Botanical Gardens, Peradeniya, Ceylon. Cultivated.

288065 to 288067. *CYNODON DACTYLON* (L.) Pers. Poaceae.

Bermudagrass.

288065. Col. No. 11-76. Hilly terrain, red clay soil, farm of the Faculty of Agriculture, University of Ceylon, Peradeniya. Elevation 1,500 feet.

288066. Col. No. 11-78. Hilly terrain, reddish clay soil, farm of the Faculty of Agriculture, University of Ceylon, Peradeniya. Elevation 1,500 feet.

288067. Col. No. 11-80. Reddish clay soil, hilly terrain, farm of the Faculty of Agriculture, University of Ceylon, Peradeniya. Elevation 1,500 feet.

288068. *CYNODON PLECTOSTACHYUS* (K. Schum.) Pilg.

Stargrass.

Col. No. 11-77. Red clay soil, hilly terrain, farm of the Faculty of Agriculture, University of Ceylon, Peradeniya. Elevation 1,500 feet.

288069 and 288070. LYCOPERSICON ESCULENTUM Mill.

Solanaceae.

Tomato.

From Great Britain. Seeds presented by D. T. Brown & Company, Lancashire, England. Received Apr. 3, 1963.

288069. 'Open Air'.

288070. 'The Amateur'.

288071 to 288079. ALLIUM CEPA L. Liliaceae.

Onion.

From the Netherlands. Seeds presented by N. V. Sluis F. N. Groot's, Enkhuizen. Received Apr. 3, 1963.

288071. 'Ailsa Craig'.

288072. 'Barletta'.

288073. 'Flat Bloodred Noord Holland'.

288074. 'James Keeping'.

288075. 'Jaune Paille des Vertus'.

288076. 'Jaune Zittau'.

288077. 'Rijnsburger Wijbo'.

288078. 'Stuttgart'.

288079. 'White Queen'.

288080 to 288082. ALLIUM CEPA L. Liliaceae. Onion.

From Japan. Seeds presented by the Horticultural Research Station, Hiratsuka, Kanagawa. Received Apr. 3, 1963.

288080. 'Aichi-shiro 1'. Matsunaga seeds.

288081. 'Aichi-shiro 2'. Kawanishi seeds.

288082. 'Aichi-shiro 3'. Unknown.

288083. ORYZA SATIVA L. Poaceae. Rice.

From Burma. Seeds presented by the Department of Agriculture, Rangoon. Received Apr. 3, 1963.

C. 30-32.

288084 and 288085. TRIFOLIUM REPENS L. Fabaceae. Whiteclover.

From Ireland. Seeds presented by the Agricultural Institute, Oak Park, Carlow. Received Apr. 3, 1963.

288084. No. 1. Bulk sample from collections in Counties Cork, Waterford and Tipperary. Plants dense, spreading, prostrate, very persistent and winter hardy; late maturing.

288085. No. 43. Clonakilty, County Cork. From plants selected for good spring growth and summer and fall vigor. Plants spreading.

288086. VIBURNUM TRILOBUM Marsh Caprifoliaceae.

From Canada. Plants purchased from J. U. Gellatly, Westbank, British Columbia, and now growing at the United States National Arboretum, Washington, D.C. Numbered Apr. 3, 1963.

No. 1861E. Flowers pink.

288087. PASSIFLORA MOLLISSIMA (HBK) Bailey Passifloraceae. Softleaf passionflower.

From Colombia. Seeds presented by the United States Agency for International Development, Bogota. Received Apr. 3, 1963.

From Bedout Finca, Sabana de las Ovejas, about one hour from Medellin, road to Santa Fe de Antioquia. Elevation 6,000 feet. Resistant to anthracnose.

288088. ZIZIPHUS MAURITIANA Lam. Rhamnaceae. Indian jujube.

From Burma. Seeds presented by the United States Embassy, Rangoon. Received Apr. 3, 1963.

Sweet Indian plum from Rangoon tree.

288089 to 288209. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From India. Seeds presented by the College of Agriculture, Ludhiana. Received Apr. 4, 1963.

288089. A.H. 3490.

288098. A.K. 11.

288090. A.H. 4515.

288099. C. 501.

288091. A.H. 6279.

288100. 'Chandoli'.

288092. A.H. 6609.

288101. E 10.

288093. A.H. 6614.

288102. E 17.

288094. A.H. 6615.

288103. E 18.

288095. A.H. 6795.

288104. E 19.

288096. A.H. 6857.

288105. 'Exotic-5'.

288097. A.K. 8-10.

288106. 'Faizpur 1-5'.

288107. G 2.

288089 to 288209—Continued

288108.	G 4.	288152.	G 297.
288109.	G 5.	288153.	G 302.
288110.	G 6.	288154.	G 304.
288111.	G 7.	288155.	G 306.
288112.	G 10.	288156.	G 309.
288113.	G 14.	288157.	G 311.
288114.	G 15.	288158.	G 312.
288115.	G 16.	288159.	G 313.
288116.	G 17.	288160.	G 316.
288117.	G 18.	288161.	G 329.
288118.	G 19.	288162.	G 330.
288119.	G 20.	288163.	G 332.
288120.	G 21.	288164.	G 334.
288121.	G 22.	288165.	G 335.
288122.	G 30.	288166.	G 336.
288123.	G 33.	288167.	G 337.
288124.	G 34.	288168.	G 338.
288125.	G 35.	288169.	G 339.
288126.	G 36.	288170.	G 340.
288127.	G 37.	288171.	G 345.
288128.	G 39.	288172.	G.C. 1.
288129.	G 41.	288173.	G.C. 2.
288130.	G 43.	288174.	G.C. 3.
288131.	G 45.	288175.	G.C. 4.
288132.	G 58.	288176.	G.C. 5.
288133.	G 64.	288177.	G.C. 6.
288134.	G 251.	288178.	G.C. 7.
288135.	G 257.	288179.	G.C. 8.
288136.	G 259.	288180.	G.C. 9.
288137.	G 261.	288181.	G.C. 10.
288138.	G 262.	288182.	G.C. 11.
288139.	G 263.	288183.	G.C. 12.
288140.	G 267.	288184.	G.C. 13.
288141.	G 269.	288185.	G.C. 14.
288142.	G 272.	288186.	G.C. 15.
288143.	G 275.	288187.	G.C. 16.
288144.	G 279.	288188.	G.C. 17.
288145.	G 283.	288189.	G.C. 18.
288146.	G 287.	288190.	G.C. 19.
288147.	G 289.	288191.	G.C. 20.
288148.	G 291.	288192.	G.C. 21.
288149.	G 292.	288193.	H.G. 7.
288150.	G 294.	288194.	H.G. 8.
288151.	G 296.	288195.	H.G. 9.

288089 to 288209—Continued

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| 288196. H.G. 10. | 288203. 'Pondicherry 8'. |
| 288197. H.G. 11. | 288204. R. 4. |
| 288198. 'Improved Small Japan'. | 288205. 'Spanish Improved'. |
| 288199. 'Improved Spanish'. | 288206. TMV 1. |
| 288200. 'Kopergaon No. 1'. | 288207. TMV 2. |
| 288201. 'Kopergaon No. 3'. | 288208. TMV 3. |
| 288202. N.G. 51. | 288209. TMV 6. |

288210 to 288213. ARACHIS HYPOGAEA var. NAMBYQUARAE (Hoehne) F. J. Herm. Fabaceae. Peanut.

From India. Seeds presented by the College of Agriculture, Ludhiana. Received Apr. 4, 1963.

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| 288210. A.N.-1. | 288212. A.N.-3. |
| 288211. A.N.-2. | 288213. A.N.-4. |

288214 and 288215. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Jamaica. Seeds presented by the Ministry of Agriculture and Lands, Crop Agronomy Division, Kingston. Received Apr. 4, 1963.

288214. No. 1. Testa red.
288215. No. 2. Testa red.

288216 to 288222.

From Madagascar. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received Apr. 4, 1963.

288216. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

Col. No. 15-91. Collected in the Agronomie Collection Plots at the Agronomique Station, Lake Alaotra. Locally abundant. Elevation 2,400 feet.

288217 to 288222. CYNODON COURSI A. Camus

288217. Col. No. 15-90. Collected on high, dry ground at Point of View, northwest of Agronomique Station at Lake Alaotra. Abundant on this site. Elevation 2,400 feet.

288218. Col. No. 15-92. High, dry ground at Point of View, northwest of Agronomique Station, Lake Alaotra. Abundant. Elevation 2,400 feet.

288219. Col. No. 15-93. High, dry ground at Point of View, northwest of Agronomique Station, Lake Alaotra. Abundant. Elevation 2,400 feet.

288220. Col. No. 15-94. High, dry southeast slope, Point of View, Agronomique Station, Lake Alaotra. Elevation 2,400 feet.

288221. Col. No. 16-104. Dry vacant lot, roadside, Ampasikely. Abundant. Elevation 2,400 feet.

288222. Col. No. 16-105. Dry roadside, in swamp, south of Mahari-daza. Abundant. Elevation 2,400 feet.

288223 to 288225. ORYZA SATIVA L. Poaceae. Rice.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Apr. 5, 1963.

288223. No. 3. Early isogenic lines of 'Taichung No. 65'. Donor parent: 'Tatong Tsai-lai'.

288224. No. 44. Early isogenic lines of 'Taichung No. 65'. Donor parent: 'Bozu No. 5'.

288225. 'Taichung No. 65'.

288226. HIBISCUS FURCATUS Willd. Malvaceae.

From Ceylon. Seeds presented by the Division of Botany, Department of Agriculture, Peradeniya. Received Apr. 5, 1963.

288227 to 288245.

From the United Arab Republic (Egypt). Seeds collected and presented by H. M. Munger, Cornell University, Ithaca, N.Y. Received Apr. 5, 1963.

288227 and 288228. ALLIUM CEPA L. Liliaceae.**Onion.**

Plants reportedly 1 percent male sterile.

288227. 'Behairy'. Lower Egypt. Later, and with more doubling, than 'Giza 6'.

288228. 'Giza 6'. Upper Egypt. Selection from 'Sahidy'.

288229 to 288231. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae.**Cabbage.**

288229. Early strain from 'Balady'. Heads flat; leaves large, flexible, for wrapping.

288230. Selected strain from 'Balady'. Heads extremely large, flat.

288231. 'Kahera Hybrid'.

288232. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.**Watermelon.**

'Freska'. Seeds black. No known advantages over U.S. varieties.

288233 to 288236. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

288233. 'Kafr Hakim'. Fruit firmer than 'Kizan Assal'; flesh orange.

288234. 'Kahera 3'.

288235. 'Kahera 6'.

288236. 'Kizan Assal'. Fruit very variable; rind smooth, green, yellow or orange; flesh white, very sweet.

288237 and 288238. CUCUMIS SATIVUS L.**Cucumber.**

288237. 'Balady'. Fruit short, light green, spineless. Considered superior to U.S. varieties in lacking bitterness.

288238. 'Yomaki Plant II'. S4 Composite. W.A. Warid, Cairo University.

288239. CUCURBITA MOSCHATA Duchesne Cucurbitaceae.**Cushaw.**

Probably similar to 'Butternut' in color, but larger and very variable in shape.

288240 and 288241. CUCURBITA PEPO L. Cucurbitaceae.**Pumpkin.**

288240. 'Eskandarany'. Bush type; runner length variable; fruits similar to 'Cocozelle'; color variable.

288241. 'Eskandarany'. Dakki form. Male sterile strain. May yield 50 percent male sterile plants or all may be heterozygous for male sterility and plants grown from them must be selfed before male sterility appears. Plant vigorous; stems branched; leaves not deeply cleft, somewhat blotched; rind light green.

288242 and 288243. DAUCUS CAROTA L. Apiaceae.**Carrot.**

288242. 'Balady'. Vegetable Research Section, Dakki. Purple with white core, considered much sweeter than orange-colored carrots.

288243. 'Balady' × 'Chantenay'.

288244. LACTUCA SATIVA L. Cichoriaceae.**Garden lettuce.**

'Balady'. Seeds black. A cos type.

288227 to 288245—Continued

288245. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.

'Balady'. Leaves smooth; roots white, tapered. Leaves and roots are eaten in Egypt.

288246 to 288250.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Apr. 9, 1963.

288246. *CASSIA COVESII* A. Gray Caesalpiaceae.

Col. No. 17731. Roadside 16 miles east of Navajo, Sonora, road to Alamos. Spreading adventive annual to 1.5 feet high.

288247. *CASSIA UNIFLORA* Mill. Caesalpiaceae.

Col. No. 18366. Guamuchil, Sinoloa. Elevation 200 feet. Summer annual to 6 feet high in thick stands along field margins and roads.

288248. *CUPHEA PAINTERI* Rose Lythraceae.

Col. No. 19522. Shrubby, grassy mountain slope south of Etzatlán, Jalisco. Elevation 5,000 feet. Single stemmed perennial to 3 feet high; branches 4 to 6; racemes elongate; flowers light pink.

288249. *DALEA NUTANS* Willd. Fabaceae.

Col. No. 18350. Twelve miles southeast of Tepic, Nayarit. Elevation 3,600 feet. Diffuse herbaceous annual to 6 feet high in fallow land; flowers red purple with white banner.

288250. *PHYSALIS NICANDROIDES* Schlecht. Solanaceae.

Col. No. 18302. Twenty miles south of Guadalajara, Jalisco. Elevation 5,000 feet. Roadside summer annual to 6 feet high; fruits abundant.

288251 and 288252.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Apr. 9, 1963.

288251. *HELICHRYSUM FULGIDUM* Willd. Asteraceae.

Col. No. 18912. Roadside, 12 miles north of Queenstown, Cape Province, road to Dordrecht. Perennial herb to 2.5 feet high with 10 to 40 scapose stems; crown broad, leafy, lanate; flowers bright yellow, in several heads; seeding determinately. Has cucumber odor.

288252. *PEUCEDANUM CAPENSE* Sond. Apiaceae.

Col. No. 939. Abundant in fields near road, 13.5 miles northwest of Plattenberg Bay, road to Uniondale. Shrubby perennial to 6 feet high; flowers yellow.

288253 to 288256.

From Turkey. Seeds obtained from the University of Ankara, Ankara, under Public Law 480. Received Apr. 9, 1963.

288253. *ASTRAGALUS HAMOSUS* L. Fabaceae.

Annual to 1.5 feet high.

288254. *CREPIS FOETIDA* L. Cichoriaceae.

Annual to 2 feet high.

288255. *ONOBRYCHIS ARGYREA* Boiss. Fabaceae.

Perennial to 3 feet high.

288256. *THLASPI PERFOLIATUM* L. Brassicaceae.

Annual to 1.5 feet high.

288257. OENOTHERA DRUMMONDII Hook. Onagraceae.

From the United States. Seeds collected by A. S. Barclay and R. E. Perdue, Jr., agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Apr. 9, 1963.

Col. No. 743. Sand dunes north end of Galveston Island, Tex. Plant broad, spreading, shrubby perennial; flowers yellow, showy.

288258. CASSIA MARILANDICA L. Caesalpinaceae.

From the United States. Seeds presented by the University of Nebraska, Lincoln. Received Apr. 9, 1963.

288259 to 288262.

From the United States. Seeds purchased from H. E. Saier, Dimondale, Mich. Received Apr. 9, 1963.

288259. DORONICUM CAUCASICUM Bieb. Asteraceae.

Herbaceous perennial to 2 feet high; flowers daisylike, yellow, in early spring. Does best in sun and rich soil.

288260. ECHIUM PLANTAGINEUM L. Boraginaceae.

Plants to 3 feet high, thrive in poor sunny soil; flowers blue and light purple.

288261. IBERIS AMARA L. Brassicaceae. Common white candytuft.

Erect annual to 1 foot high; flower heads large, umbellike. They do not transplant well.

288262. LOBULARIA MARITIMA Desv. Brassicaceae.

Hardy annual to 1 foot high, flowering in early spring.

288263. PISUM SATIVUM L. Fabaceae. Garden pea.

From Germany. Seeds presented by van Waveren and de Bres, Gottingen-Rosdorf. Received Apr. 9, 1963.

'Mark-Erbsen'. NZ 2067.

288264 to 288672.

From India. Seeds collected by T. Hymowitz, Oklahoma State University, Stillwater. Received Apr. 9, 1963.

288264 and 288265. ABELMOSCHUS TUBERCULATUS Pal & Singh Malvaceae.

288264. No. 187. Gondal, Rajkot Dist.

288265. No. 216. Sagadividi, Junagadh Dist.

288266. ABUTILON sp. Malvaceae.

No. 185. Gondal, Rajkot Dist.

288267. AERVA TOMENTOSA Lam. Amaranthaceae.

No. 349. Ten miles from Barmer, Barmer Dist. A weed in arid areas.

288268 to 288275. ALLIUM CEPA L. Liliaceae. Onion.

288268. No. 32. Puna Kumbharia, Surat Dist.

288269. No. 165. Degham, Ahmedabad Dist.

288270. No. 189. Gondal, Rajkot Dist.

288271. No. 221. Joshipuri, Junagadh Dist.

288272. No. 261. Bhrugupur, Surendranagar Dist.

288273. No. 268. Kadvasan, Mehsana Dist.

288274. No. 310. Maval Sirohi Dist.

288275. No. 366. Mathania, Jodhpur Dist.

288264 to 288672—Continued

288276. *ALLIUM SATIVUM* L. **Garlic.**
No. 163. Degham, Ahmedabad Dist.
288277. *AMARANTHUS BLITUM* L. *Amaranthaceae.*
No. 200. Junagadh suburbs, Junagadh Dist.
288278. *AMARANTHUS TRICOLOR* L.
No. 199. Junagadh suburbs, Junagadh Dist. Leaves red.
288279. *AMARANTHUS* sp.
No. 141. Anand Institute Farm, Anand, Kaira Dist.
288280. *AMARANTHUS* sp.
No. 191. Gondal, Rajkot Dist.
288281. *AMARANTHUS* sp.
No. 233. Nari, Ghavnagar Dist.
288282. *AMARANTHUS* sp.
No. 255. Bhrugupur, Surendranagar Dist.
- 288283 to 288285. *ANETHUM GRAVEOLENS* L. *Apiaceae.* **Dill.**
288283. No. 9. Rudrapur, Uttar Pradesh.
288284. No. 269. Kadvasan, Mehsana Dist.
288285. No. 296. Santpura, Sirohi Dist.
288286. *ARISTIDA FUNICULATA* Trin. & Rupr. *Poaceae.*
No. 408. Bikaner, Bikaner Dist.
- 288287 and 288288. *BRASSICA NIGRA* (L.) Koch *Brassicaceae.* **Black mustard.**
288287. No. 254. Bhrugupur, Surendranagar Dist.
288288. No. 271. Kadvasan, Mehsana Dist.
288289. *BRASSICA* sp.
No. 14. Tangmarg, Kashmir.
288290. *BRASSICA* sp.
No. 15. Tangmarg, Kashmir.
288291. *BRASSICA* sp.
No. 325. Bithura Khurd, Pali Dist.
- 288292 to 288299. *CAJANUS CAJAN* (L.) Millsp. *Fabaceae.* **Pigeonpea.**
288292. No. 18. Surat Agricultural Research Station. Surat 15-15.
288293. No. 22. Surat Agricultural Research Station. Local Surat.
288294. No. 25. Surat Agricultural Research Station. Surat 121.
288295. No. 26. Surat Agricultural Research Station. Surat 141-1.
288296. No. 27. Surat Agricultural Research Station. Surat 320.
288297. No. 58. Latipura, Baroda Dist.
288298. No. 275. Kadvasan, Mehsana Dist.
288299. No. 283. Mevad, Mehsana Dist.
288300. *CAPSICUM FRUTESCENS* L. *Solanaceae.* **Redpepper.**
No. 16. Tangmarg, Kashmir.
288301. *CAPSICUM FRUTESCENS* L. **Redpepper.**
No. 39. Bardoli, Surat Dist. Very pungent.

288264 to 288672—Continued

288302. *CAPSICUM FRUTESCENS* L. Redpepper.
No. 49. Tundi, Surat Dist. Chili.
288303. *CAPSICUM ANNUUM* L. Pimento.
No. 175. Bhunava, Bajkot Dist.
288304. *CAPSICUM ANNUUM* L. Pimento.
No. 183. Bedipura, Rajkot Dist. Two types.
288305. *CAPSICUM ANNUUM* L. Pimento.
No. 265. Bhrugupur, Surendranagar Dist. Fruits very large.
288306. *CAPSICUM FRUTESCENS* L. Redpepper.
No. 279. Kadvasan, Mehsana Dist.
288307. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.
No. 42. Bardoli, Surat Dist.
288308. *CHENOPODIUM ALBUM* L. Chenopodiaceae.
No. 206. Junagadh suburbs, Junagadh Dist. Leafy green vegetable.
288309. *CHLORIS* sp. Poaceae.
No. 146. Arotai. Institute of Agriculture, Amand, Kaira Dist.
- 288310 to 288315. *CICER ARIETINUM* L. Fabaceae. Chickpea.
288310. No. 10. Rudrapur, Uttar Pradesh.
288311. No. 54. Baroda, Baroda Dist.
288312. No. 224. Umralla, Bhavnagar Dist.
288313. No. 239. Pathankot, Punjab.
288314. No. 285. Mevad, Mehdana Dist.
288315. No. 307. Maval, Sirohi Dist.
- 288316 to 288319. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. Watermelon.
288316. No. 161. Dehgam, Ahmedabad Dist.
288317. No. 353. Mathania village, Jodhpur Dist.
288318. No. 358. Mathania village, Jodhpur Dist.
288319. No. 409. Bikaner suburbs, Bikaner Dist. Growing on sand dunes.
288320. *CORCHORUS* sp. Tiliaceae.
No. 252. Chuda, Surendranagar Dist.
- 288321 to 288325. *CORIANDUM SATIVUM* L. Apiaceae. Coriander.
288321. No. 6. Rudrapur, Uttar Pradesh.
288322. No. 13. Tangmarg, Kashmir.
288323. No. 166. Dehgam, Ahmedabad Dist.
288324. No. 317. Maval, Sirohi Dist.
288325. No. 365. Mathania, Jodhpur Dist.
288326. *CROTALARIA JUNCEA* L. Fabaceae. Sunn-hemp.
No. 322. Bithura Khurd, Pali Dist.
- 288327 to 288329. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
288327. No. 210. Sagadividi, Junagadh Dist.
288328. No. 330. Bithura Khurd, Pali Dist.
288329. No. 384. Six miles from Patangarh.

288264 to 288672—Continued

- 288330 and 288331.** CUCUMIS SATIVUS L. **Cucumber.**
288330. No. 168. Degam, Ahmedabad Dist.
288331. No. 314. Maval, Sirohi Dist.
- 288332.** CUCUMIS sp.
 No. 223. Joshipura, Junagadh Dist.
- 288333.** CUCUMIS MELO L. **Muskmelon.**
 No. 259. Bhrugupur, Surendranagar Dist.
- 288334.** CUCUMIS sp.
 No. 331. Bithura Dhurd, Pali Dist.
- 288335 to 288337.** CUCURBITA PEPO L. Cucurbitaceae. **Pumpkin.**
288335. No. 153. Chaklasi, Kaira Dist.
288336. No. 159. Koru, Chaklasi, Kaira Dist.
288337. No. 211. Sakartati, Sagadividi, Junagadh Dist. Flesh deep orange.
- 288338 to 288340.** CUMINUM CYMINUM L. Apiaceae. **Cumin.**
288338. No. 272. Kadvasan, Mehsana Dist.
288339. No. 288. Mevad, Mehsana Dist.
288340. No. 361. Mathania, Jodhpur Dist.
- 288341 to 288455.** CYAMOPSIS TETRAGONOLOBA (L.) Taub. Fabaceae. **Guar.**
- 288341.** No. 30. Puna Kumbharia, Surat Dist.
288342. No. 71. Latipura, Baroda Dist.
288343. No. 73. Latipura, Baroda Dist.
- 288344 to 288409.** From the Division of Agronomy and Plant Breeding, Institute of Agriculture, Anand, Bombay State.
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| 288344. No. 74. S-277-1. | 288364. No. 94. S-293-31. |
| 288345. No. 75. S-271-25. | 288365. No. 95. S-299-2. |
| 288346. No. 76. S-272-1. | 288366. No. 96. S-297-16. |
| 288347. No. 77. S-272-19. | 288367. No. 97. S-258-10. |
| 288348. No. 78. S-272-21. | 288368. No. 98. S-258-1. |
| 288349. No. 79. S-272-2. | 288369. No. 99. S-251-1. |
| 288350. No. 80. S-279-6. | 288370. No. 100. S-289-16. |
| 288351. No. 81. 26-12-2. | 288371. No. 101. S-289-24. |
| 288352. No. 82. S-291-18. | 288372. No. 102. S-296-3. |
| 288353. No. 83. S-298-13. | 288373. No. 103. S-289-1. |
| 288354. No. 84. S-298-17. | 288374. No. 104. S-249-10. |
| 288355. No. 85. S-298-15. | 288375. No. 105. S-299-9. |
| 288356. No. 86. S-298-24. | 288376. No. 106. Padra 15-7. |
| 288357. No. 87. S-298-19. | 288377. No. 107. 40-20-6. |
| 288358. No. 88. S-298-23. | 288378. No. 108. S-298-25. |
| 288359. No. 89. S-298-1. | 288379. No. 109. S-236-4. |
| 288360. No. 90. S-295-6. | 288380. No. 110. S-245-8. |
| 288361. No. 91. S-295-15. | 288381. No. 111. S-240-18. |
| 288362. No. 92. S-290-1. | 288382. No. 112. S-236-17. |
| 288363. No. 93. S-290-22. | 288383. No. 113. S-234-10. |

288264 to 288672—Continued

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| 288384. No. 114. S-205-19. | 288397. No. 126. S-252-19. |
| 288385. No. 115. S-205-15. | 288398. No. 127. S-257-9. |
| 288386. No. 116. S-151-6. | 288399. No. 128. S-257-17. |
| 288387. No. 117. S-183-15. | 288400. No. 129. S-265-10. |
| 288388. No. 118. S-168-1. | 288401. No. 130. S-266-8. |
| 288389. No. 119. S-189-7. | 288402. No. 131. S-261-18. |
| 288390. No. 120. S-172-8. | 288403. No. 132. S-301-11. |
| 288391. No. 121. S-183-4. | 288404. No. 133. S-300. |
| 288392. No. 122. S-182-4. | 288405. No. 134. S-301-9. |
| 288393. No. 123. S-187-16. | 288406. No. 135. S-301-26. |
| 288394. No. 124. S-168-1. | 288407. No. 136. 73-2, |
| 288395. No. 124. S-187-13. | 288408. No. 137. 68-21, |
| 288396. No. 125. S-160. | 288409. No. 138. 40-20-5. |
| 288410. No. 148. Sotia, Borabi, Kaira Dist. | |
| 288411. No. 158. Chaklasi, Kaira Dist. | |
| 288412. No. 172. Rajkot suburbs, Rajkot Dist. Plants erect with occasional single branches. Vegetable. | |
| 288413. No. 179. Bedipura, Rajkot Dist. | |
| 288414. No. 180. Bedipura, Rajkot Dist. Vegetable. | |
| 288415. No. 186. Gondal, Rajkot Dist. Mixture of smooth, vegetable type and hairy, branched type. | |
| 288416. No. 202. Stotia, Junagadh suburbs, Junagadh Dist. Plants erect. | |
| 288417. No. 209. Sagadividi, Junagadh Dist. Plants erect, glabrous; pods long. Vegetable type. | |
| 288418. No. 217. Veghris, Vadad, Junagadh Dist. Plants erect, tall. | |
| 288419. No. 225. Umralla, Bhavnagar Dist. Plants glabrous, branched. Vegetable. | |
| 288420. No. 234. Mari, Bhavnagar Dist. Plants pubescent, erect. Vegetable. | |
| 288421. No. 246. Memka, Surendranagar Dist. | |
| 288422. No. 251. Karal, Surendranagar Dist. Vegetable. | |
| 288423. No. 257. Bhrugupur, Surendranagar Dist. | |
| 288424. No. 264. Bhrugupur, Surendranagar Dist. | |
| 288425. No. 280. Kadvasan, Meksana Dist. | |
| 288426. No. 282. Kherva, Mksana Dist. In a field with other crops. | |
| 288427. No. 291. Mevad, Mehsana Dist. | |
| 288428. No. 294. Santpura, Sirohi Dist. | |
| 288429. No. 300. Santpura, Sirohi Dist. Plants glabrous, 10 seeds per pod. | |
| 288430. No. 315. Maval, Sirohi Dist. Plants glabrous. Vegetable type grown under irrigation. | |
| 288431. No. 320. Chawadia, Pali Dist. Plants very hairy. | |
| 288432. No. 326. Bithura Khurd, Pali Dist. Plants with many branches. Vegetable. | |
| 288433. No. 327. Bithura Khurd, Pali Dist. Pods shatter on maturing; seeds somewhat glossy, tending to square rather than round. | |

288264 to 288672—Continued

288434. No. 329. Bithura Khurd, Pali Dist. Vegetable.
 288435. No. 337. Bandsa, Pali Dist. Vegetable.
 288436. No. 345. Narnedi, Jodhpur Dist. Seeds pinkish.
 288437. No. 348. Ten miles from Barmer, Barmer Dist.
 288438. No. 350. Ten miles from Balotra, Barmer Dist. Drought area.
 288439. No. 352. Three miles from Chohtan, Barmer Dist. Very dry area.
 288440. No. 368. Mathania, Jodhpur Dist. From mixed crops field.
 288441. No. 371. Four miles north of Osian, Jodhpur Dist.
 288442. No. 375. Osian, Jodhpur Dist.
 288443. No. 376. Rampura, 18 miles from Jodhpur, Jodhpur Dist.
 288444. No. 379. Bawari, Jodhpur Dist. Seeds pinkish.
 288445. No. 381. Two miles north of Ratangarh, Churu Dist.
 288446. No. 383. Five miles from Tarangarh, Churu Dist. Growing on sand dunes.
 288447. No. 392. Six miles from Churu, Churu Dist.
 288448. No. 393. Seventeen miles from Jhunjhunu, Churu Dist.
 288449. No. 396. Twelve miles from Ratangarh, Churu Dist.
 288450. No. 397. Didwana, Nagaur Dist. Plants very pubescent.
 288451. No. 399. Mandasi, 10 miles north of Jhunjhunu, Jhunjhunu Dist. Plants with various branching habits.
 288452. No. 401. Five miles from Tendesar, Bikaner Dist. Plants with basal branches pubescent.
 288453. No. 402. Two miles from Salaser, Bikaner Dist. Vegetable.
 288454. No. 404. Six miles north of Bikaner on Pugal Road.
 288455. No. 406. Four miles west of Sikar, Sikar Dist.
 288456. DACTYLOCTENIUM AEGYPTIUM (L.) Beauv. Poaceae. **Durban crowfoot.**
 No. 378. Samroj, Nagaur Dist.
 288457 to 288462. DAUCUS CAROTA L. Apiaceae. **Carrot.**
 288457. No. 177. Bhunava, Rajkot Dist. Grown for fodder.
 288458. No. 222. Joshipura, Junagadh Dist.
 288459. No. 231. Nari, Bhavnagar Dist.
 288460. No. 247. Memka, Surendranagar Dist.
 288461. No. 336. Bandsa, Pali Dist.
 288462. No. 364. Mathania, Jodhpur Dist.
 288463. DICHANTHIUM ANNULATUM (Frosk.) Stapf Poaceae. **Palwan.**
 No. 192. Gondal, Rajkot Dist.
 288464. DIGITARIA sp. Poaceae.
 No. 67. Latipura, Baroda Dist.
 288465 to 288473. DOLICHOS LABLAB L. Fabaceae. **Hyacinth-bean.**
 288465. No. 37. Katargam Papdi. Katargam, Surat Dist.
 288466. No. 38. Bardoli, Surat Dist. Nonirrigated variety.
 288467. No. 44. Val. Pisad, Surat Dist., 19 miles from Surat.
 288468. No. 72. Latipura, Baroda Dist.

288264 to 288672—Continued

288469. No. 152. Chaklasi, Kaira Dist. Mixture of types.
 288470. No. 178. Val. Bhunava, Rajkot Dist.
 288471. No. 182. Bedipura, Rapkot Dist.
 288472. No. 270. Val. Kadvasan, Mehsana Dist.
 288473. No. 277. Kadvasan, Mehsana Dist.
288474. *ELEUSINE COMPRESSA* (Forssk) Aschers. & Schweinf. ex C. Christensen Poaceae.
 No. 388. Samraj, Nagaur Dist.
288475. *ERAGROSTIS TREMULA* Hochst. ex Steud. Poaceae.
 No. 395. Seventeen miles from Jhunjhunu, Churu Dist.
288476. *ERAGROSTIS* sp.
 No. 68. Latipura, Baroda Dist.
288477. *FOENICULUM VULGARE* Mill. Apiaceae. Fennel.
 No. 273. Kadvasan, Mehsana Dist.
- 288478 to 288480. *GOSSYPIMUM HERBACEUM* L. Malvaceae. Levant cotton.
 288478. No. 33. Puna Kumbharia, Surat Dist. Improved local variety 2087.
 288479. No. 333. Bandsa, Pali Dist. Mixed types.
 288480. No. 359. Mathania village, Jodhpur Dist. Irrigated.
- 288481 to 288495. *HIBISCUS ESCULENTUS* L. Malvaceae. Okra.
 288481. No. 23. Surat Agricultural Research Station.
 288482. No. 24. Surat Agricultural Research Station.
 288483. No. 56. Padra Block, Baroda Dist.
 288484. No. 193. Gondal, Rajkot Dist.
 288485. No. 212. Sagadividi, Junagadh Dist.
 288486. No. 220, Vadal, Junagadh Dist.
 288487. No. 237. Nari, Bhavnagar Dist.
 288488. No. 244. Memka, Surendranagar Dist.
 288489. No. 249. Karoe, Surendranagar Dist.
 288490. No. 253. Bhrugupur, Surendranagar Dist.
 288491. No. 274. Kadvasan, Mehsana Dist.
 288492. No. 289. Mevad, Mehsana Dist.
 288493. No. 295. Santpura, Sirohi Dist.
 288494. No. 309. Maval, Sirohi Dist.
 288495. No. 362. Mathania, Jodhpur Dist.
- 288496 to 288508. *LAGENARIA SICERARIA* (Mol.) Standl. Cucurbitaceae.
 288496. No. 21. Surat Agricultural Research Station.
 288497. No. 31. Puna Kumbharia, Surat Dist. Good variety.
 288498. No. 36. Puna Kumbharia, Surat Dist. Fruit small.
 288499. No. 62. Dudhi. Latipura, Baroda Dist.
 288500. No. 155. Chaklasi, Kaira Dist.
 288501. No. 167. Dehgam, Ahmedabad Dist.
 288502. No. 174. Gondal, Rajkot Dist.
 288503. No. 197. Junagadh suburbs, Junagadh Dist.

288264 to 288672—Continued

288504. No. 235. Nari, Bhavnagar Dist.
288505. No. 242. Memka, Surendranagar Dist.
288506. No. 262. Bhrugupur, Surendranagar Dist.
288507. No. 298. Santpura, Sirohi Dist.
288508. No. 303. Maval, Sirohi Dist.
288509. *LUFFA ACUTANGULA* (L.) Roxb. Singkwa towelgourd.
No. 363. Mathania, Jodhpur Dist.
- 288510 and 288511. *LASIURUS SCINDICUS* Henrard Poaceae.
288510. No. 338. Central Arid Zone Research Station, Jodhpur.
288511. No. 346. Ten miles from Barmer, Barmer Dist.
288512. *LEPIDIUM SATIVUM* L. Brassicaceae. Garden cress.
No. 293. Mevad, Mehsana Dist.
288513. *LINUM USITATISSIMUM* L. Linaceae. Flax.
No. 41. Baroda, Surat Dist.
- 288514 to 288521. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae.
Singkwa towelgourd.
288514. No. 28. Surat Agricultural Research Station.
288515. No. 194. Gondal, Rajkot Dist.
288516. No. 205. Junagadh suburbs, Junagadh Dist.
288517. No. 214. Sagadividi, Junagadh Dist.
288518. No. 229. Umrالا, Bhavnagar Dist.
288519. No. 230. Umrالا, Bhavnagar Dist.
288520. No. 248. Memka, Surendranagar Dist.
288521. No. 258. Bhrugupur, Surendranagar Dist.
288522. *CITRULLUS LANATUS* (Thunb.) Mansf. Watermelon.
No. 281. Kadvasan, Mehsana Dist.
288523. *LUFFA ACUTANGULA* (L.) Roxb. Singkwa towelgourd.
No. 301. Santpura, Sirohi Dist.
- 288524 to 288527. *LUFFA CYLINDRICA* (L.) Roemer Suakwa towelgourd.
288524. No. 162. Dehgam, Ahmedabad Dist.
288525. No. 204. Junagadh suburbs, Junagadh Dist.
288526. No. 238. Nari, Bhavnagar Dist.
288527. No. 316. Maval, Sirohi Dist.
- 288528 to 288539. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
288528. No. 45. Produced and distributed by Surat Dist. Crop. Producers and Saks Union; grown at Pisad, Surat Dist.
288529. No. 142. Institute of Agriculture, Anand.
288530. No. 164. Dehgam, Ahmedabad Dist.
288531. No. 176. Bhunava, Rajkot Dist.
288532. No. 188. Gondal, Rajkot Dist.
288533. No. 218. Vadal, Junagadh Dist.
288534. No. 241. Memka, Surendranagar Dist.
288535. No. 243. Memka, Surendranagar Dist.
288536. No. 260. Bhrugupur, Surendranagar Dist.

288264 to 288672—Continued

288537. No. 276. Kadvasan, Mehsana Dist.
288538. No. 311. Maval, Sirohi Dist.
288539. No. 332. Bandsa, Pali Dist.
288540. *MIMOSA HAMATA* Willd. Mimosaceae.
No. 373. Four miles from Osian, Jodhpur Dist.
288541. *MIMOSA* sp.
No. 3. Upper Ridge Road, New Delhi. Annual.
- 288542 to 288546. *MOMORDICA CHARANTIA* L. Cucurbitaceae. **Balsam-pear.**
288542. No. 47. Tundi, Surat Dist.
288543. No. 48. Tundi, Surat Dist.
288544. No. 59. Karela. Latipura, Baroda Dist.
288545. No. 60. Latipura, Baroda Dist.
288546. No. 263. Bhrugupur, Surendranagar Dist.
288547. *OCIMUM* sp. Menthaceae.
No. 64. Latipura, Baroda Dist.
- 288548 to 288551. *ORYZA SATIVA* L. Poaceae. **Rice.**
288548. No. 51. Lulks. Sisva, Baroda Dist.
288549. No. 52. Paddy Vanhali. Sisva, Baroda Dist.
288550. No. 57. Delisi. Latipura, Baroda Dist.
288551. No. 70. Vankli. Latipura, Baroda Dist.
- 288552 to 288554. *PANICUM ANTIDOTALE* Retz. Poaceae. **Blue panicgrass.**
288552. No. 143. Anand Farm, Anand Institute of Agriculture, Kaira Dist.
288553. No. 147. Anand Farm, Anand Institute of Agriculture, Kaira Dist.
288554. No. 343. Central Arid Zone Research Station, Jodhpur. Plants tall, erect, leafy.
288555. *PANICUM COLORATUM* L.
No. 341. Australia via Central Arid Zone Research Station, Jodhpur.
288556. *PANICUM MAXIMUM* Jacq. **Guineagrass.**
No. 198. Junagadh suburbs.
- 288557 to 288559. *PANICUM MILIACEUM* L. **Proso.**
288557. No. 43. Trial-cum Demonstration Farm, Bardoli.
288558. No. 292. Mevad, Mehsana Dist.
288559. No. 305. Maval, Sirohi Dist.
- 288560 and 288561. *PANICUM TURGIDUM* Forsk.
288560. No. 342. Central Arid Zone Research Station, Jodhpur.
288561. No. 351. Ten miles from Barmer, Barmer Dist. Soil sandy; annual rainfall 2 inches.
288562. *PASPALUM SCROBICULATUM* L. Poaceae.
No. 65. Latipura, Baroda Dist.
288563. *CENCHRUS CILIARIS* L. Poaceae. **Buffelgrass.**
No. 144. Anand Farm, Anand Institute of Agriculture, Kaira Dist.
- 288564 to 288573. *PENNISETUM TYPHOIDES* (Burm. f.) Stapf & C. E. Hubbard Poaceae.

288264 to 288672—Continued

288564. No. 50. Sisva, Baroda Dist.
 288565. No. 61. Latipura, Baroda Dist.
 288566. No. 170. Busha BaBa Puri. Rajkot suburbs, Rajkot Dist.
 288567. No. 171. Rajkot suburbs, Rajkot Dist.
 288568. No. 226. Umrالا, Bhavnagar.
 288569. No. 356. Mathania village, Jodhpur Dist.
 288570. No. 380. Two miles north of Ratangarh, Churu Dist.
 288571. No. 386. Six miles from Sujangarh, Nagaur Dist.
 288572. No. 398. Didwana, Nagaur Dist.
 288573. No. 400. Madasi village, 10 miles north of Jhunjhunu, Jhun-
 jhunu Dist.
- 288574 to 288584. *PHASEOLUS ACONTIFOLIUS* Jacq. Fabaceae. **Moth bean.**
 288574. No. 11. Rudrapur, Uttar Pradesh.
 288575. No. 69. Latipura, Baroda Dist.
 288576. No. 299. Santpura, Sirohi Dist.
 288577. No. 321. Bithura Khurd, Pali Dist.
 288578. No. 369. Four miles from Osian, Jodhpur Dist.
 288579. No. 377. Rol Quazian, Nagaur Dist.
 288580. No. 378. Bawari, Jodhpur Dist.
 288581. No. 385. Six miles from Sujangarh, Churu Dist. **Growing on
 sand dunes.**
 288582. No. 390. Six miles from Churu, Churu Dist.
 288583. No. 405. Ten miles from Bikaner, Bikaner, Dist. **Area very
 arid.**
 288584. No. 407. Twelve miles north of Okha, Bikaner Dist.
- 288585 to 288597. *PHASEOLUS AUREUS* Roxb. **Mung bean.**
 288585. No. 8. Rudrapur, Uttar Pradesh.
 288586. No. 139. Anand Institute, Anand.
 288587. No. 250. Karol, Surendranagar Dist.
 288588. No. 278. Kadvasan, Mehsana Dist.
 288589. No. 290. Mevad, Mehsana Dist.
 288590. No. 313. Maval, Sirohi Dist.
 288591. No. 328. Bithura Khurd, Pali Dist.
 288592. No. 339. Central Arid Zone Research Station, Jodhpur.
 288593. No. 344. Dhonwan, Jodhpur Dist.
 288594. No. 370. Four miles from Mathania, Jodhpur Dist.
 288595. No. 389. Samraj, Nagaur Dist.
 288596. No. 391. Six miles from Churu, Churu Dist.
 288597. No. 403. Two miles from Salaser, Bikaner Dist.
288598. *PHASEOLUS LUNATUS* L. **Lima bean.**
 No. 157. Chaklasi, Kaira Dist.
- 288599 to 288603. *PHASEOLUS MUNGO* L. **Urd.**
 288599. No. 19. Surat Agricultural Research Station.
 288600. No. 63. Latipura, Baroda Dist.
 288601. No. 145. Anand Institute, Anand.

288264 to 288672—Continued

288602. No. 228. Umrالا, Bhavnagar Dist.
288603. No. 312. Maval, Sirohi Dist.
- 288604 and 288605. PHASEOLUS VULGARIS L. Common bean.
288604. No. 12. Rudrapur, Uttar Pradesh.
288605. No. 195. Gondal, Rajkot Dist.
288606. PISUM SATIVUM L. Fabaceae. Garden pea.
- No. 34. Puna Kumbharia, Surat Dist.
288607. PLANTAGO sp. Plantaginaceae.
- No. 266. Isabgul. Kadvasan, Mehsana Dist.
288608. PROSOPIS sp. Mimosaceae.
- No. 318. Marwar Junction, Pali Dist. Drought-hardy shade tree found throughout Rajasthan.
- 288609 to 288613. RAPHANUS SATIVUS L. Brassicaceae. Radish.
288609. No. 149. Chaklasi, Kaira Dist.
288610. No. 169. Dehgam, Ahmedabad Dist.
288611. No. 190. Gondal, Rajkot Dist.
288612. No. 219. Vadal, Junagadh Dist.
288613. No. 240. Memha, Surendranagar Dist.
- 288614 to 288616. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.
288614. No. 184. Bedipura, Rajkot Dist.
288615. No. 236. Nari, Bhavnagar Dist.
288616. No. 267. Kadvasan, Mehsana Dist.
288617. SACCHARUM MUNJA Roxb. Poaceae.
- No. 382. Two miles east of Ratangarh, Churu Dist.
- 288618 to 288628. SESAMUM INDICUM L. Pedaliaceae. Sesame.
288618. No. 4. Upper Ridge Road, New Delhi. Apparently in wild.
288619. No. 28. Surat Agricultural Research Station.
288620. No. 66. Latipura, Baroda Dist.
288621. No. 213. Sagadividi, Junagadh Dist.
288622. No. 227. Umrالا, Bhavnagar Dist.
288623. No. 286. Mevad, Mehsana Dist.
288624. No. 304. Maval, Sirohi Dist.
288625. No. 323. Bithura Khurd, Pali Dist.
288626. No. 334. Bandsa, Pali Dist.
288627. No. 355. Mathenia village, Jodhpur Dist.
288628. No. 372. Four miles from Osian.
288629. HIBISCUS ESCULENTUS L. Malvaceae. Okra.
- No. 35. Puna Kumbharia, Surat Dist. Fruit rose purple.
- 288630 to 288634. SOLANUM MELONGENA L. Solanaceae. Eggplant.
288630. No. 156. Brinjal. Chaklasi, Kaira Dist.
288631. No. 196. Junagadh suburbs, Junagadh Dist.
288632. No. 207. Sagadividi, Junagadh Dist.
288633. No. 256. Bhrugupur, Surendranagar Dist.
288634. No. 367. Mathania, Jodhpur Dist.

288264 to 288672—Continued

- 288635 to 288637. *SORGHUM HALEPENSE* (L.) Pers. Poaceae. **Johnsongrass.**
288635. No. 215. Baru, Sagadividi, Junagadh Dist.
288636. No. 340. C.A.R.R.S., Jodhpur.
288637. No. 394. Roadside 17 miles from Jhunjhunu, Jhunjhunu Dist.
- 288638 to 288645. *SORGHUM BICOLOR* (L.) Moench
288638. No. 40. Bardoli, Surat Dist. Selected local variety BP53.
288639. No. 53. Sisva, Baroda Dist.
288640. No. 140. Institute of Agriculture, Anand, Kaira Dist.
288641. No. 208. Sagadividi, Junagadh Dist.
288642. No. 302. Maval, Sirohi Dist.
288643. No. 319. Chawadia, Pali Dist.
288644. No. 357. Mathania village, Jodhpur Dist.
288645. No. 374. 3.5 miles from Osian, Jodhpur Dist.
288646. *SPINACIA OLERACEA* L. Chenopodiaceae. **Spinach.**
- No. 201. Junagadh suburbs, Junagadh Dist.
- 288647 and 288648. *TEPHROSIA PURPUREA* (L.) Pers. Fabaceae.
288647. No. 1. Upper Ridge Road, New Delhi.
288648. No. 347. Narnedi, Jodhpur Dist.
288649. *TEPHROSIA* sp. Fabaceae.
- No. 2. Upper Ridge Road, New Delhi.
288650. *TRACHYSPERMUM AMMI* Sprague Apiaceae.
- No. 360. Mathania village, Jodhpur Dist.
- 288651 to 288655. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**
288651. No. 7. Rudrapur, Uttar Pradesh.
288652. No. 287. Mevad, Mehsana Dist.
288653. No. 308. Maval, Sirohi Dist.
288654. No. 324. Bithura Khurd, Pali Dist.
288655. No. 354. Mathania village, Jodhpur Dist.
- 288656 to 288672. *VIGNA SINENSIS* (Torner) Savi Fabaceae.
288656. No. 5. Rudrapur, Uttar Pradesh.
288657. No. 17. Pathankot, Punjab.
288658. No. 20. Surat Agricultural Research Station.
288659. No. 46. Pisad, Surat Dist. Vegetable.
288660. No. 55. Baroda, Baroda Dist.
288661. No. 150. Chaklasi, Anand Block, Kaira Dist.
288662. No. 151. Chaklasi, Kaira Dist.
288663. No. 154. Chaklasi, Kaira Dist.
288664. No. 160. Chaklasi, Kaira Dist.
288665. No. 173. Rajkot suburbs, Rajkot Dist.
288666. No. 181. Bedipura, Rajkot Dist.
288667. No. 232. Nari, Bhavnagar Dist.
288668. No. 245. Memka, Surendranagar Dist.

288264 to 288672—Continued

288669. No. 284. Mevad, Mehsana Dist.

288670. No. 297. Santpura, Sirohi Dist.

288671. No. 306. Maval, Sirohi Dist.

288672. No. 335. Bandsa, Pali Dist.

288673. SPOROBOLUS VIRGINICUS (L.) Kunth Poaceae.

From the United States Virgin Islands. Stolons presented by the Virgin Island Agricultural Program, Kingshill, St. Croix. Received Apr. 9, 1963.

288674. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Taiwan. Cuttings and rhizomes presented by the Taiwan Sugar Experiment Station, Taiwan. Received Apr. 10, 1963.

FP 58-2.

288675 to 288679.

From the Malagasy Republic. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received Apr. 11, 1963.

288675 to 288677. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

288675. Col. No. 18-112. Airport on Nossi-Be. Open, flat, sandy-clay site in a valley between wooded hills. East central part of the island, northeast of Hellville, at sea level.

288676. Col. No. 18-114. West edge of Dzamandzar, Nossi-Be. Adjacent to a sugarcane field next to a railroad. Dry site, rather level ground, at the foot of the hills, at sea level.

288677. Col. No. 20-118. Hilly terrain in the city of Tananarive. Clay soil. Elevation 4,000 feet.

288678 and 288679. CYNODON LEPTOCHLOIDES Steud.

288678. Col. No. 18-111. Open, sandy-clay soil, dry site in wooded, hilly area, along road from Hellville, northeast of the airport on Nossi-Be. Elevation 200 feet.

288679. Col. No. 18-113. Open, flat, sandy-clay site at sea level, in valley between wooded hills, airport on Nossi-Be. East central part of the island, northeast of Hellville.

288680 to 288683. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Argentina. Cuttings presented by the Centro Regional del Noroeste, Instituto Nacional de Tecnologia Agropecuaria, San Miguel de Tucuman. Received Apr. 12, 1963.

288680. CP 34-120.

288682. NA 56/68.

288681. CP 44-101.

288683. N:Co 310.

288684 to 288690. VITIS LABRUSCA L. Vitaceae. Fox grape.

From Brazil. Cuttings presented by the Instituto Agronomico, Campinas. Received Apr. 15, 1963.

'White Niagara' progeny.

288684. 'Niagara Branca Gigante'.

288688. 'Niagara Rosada'.

288685. 'Niagara Branca Oval'.

288689. 'Niagara Rosada Gigante'.

288686. 'Niagara Maravilha'.

288690. 'Niagara Steck'.

288687. 'Niagara Rajada'.

- 288691. RUBUS IDAEUS L. Rosaceae. European raspberry.**
 From France. Plants presented by the Georges Delbard Nurseries, Paris.
 Received Apr. 16, 1963.
 'Shoenemann'.
- 288692 to 288694.**
 From Yugoslavia. Seeds and bulbs presented by the United States Embassy,
 Belgrade. Received Apr. 17, 1963.
- 288692. ALLIUM CEPA L. Liliaceae. Onion.**
 'Kolacar'. Bulb round, flat. Seeds.
- 288693. ALLIUM CEPA L. Onion.**
 'Kolacar'. Bulb round, flat. Bulbs.
- 288694. ALLIUM SATIVUM L. Garlic.**
 Summer variety. Bulbs.
- 288695 and 288696.**
 From the Union of Soviet Socialist Republics. Seeds presented by the Insti-
 tute of Plant Industry, Leningrad. Received Apr. 18, 1963.
- 288695. DIOSCOREA CAUCASICA Lipsky Dioscoreaceae.**
- 288696. DIOSCOREA POLYSTACHYA Turcz.**
- 288697 to 288700. MEDICAGO FALCATA L. Fabaceae. Yellow-flowered alfalfa.**
- From Yugoslavia. Seeds presented by the United States Embassy, Belgrade.
 Received Apr. 18, 1963.
 Plants perennial.
- 288697. S-1. 288699. S-3.**
- 288698. S-2. 288700. S-4.**
- 288701 to 288705.**
 From Japan. Seeds presented by Aritaki Arboretum, Koshigaya-Shi Sai-
 tama-Ken. Received Apr. 18, 1963.
- 288701. CAMELLIA JAPONICA L. Theaceae. Common camellia.**
 'Kon-wabisuke'.
- 288702. CAMELLIA SASANQUA Thunb. Sasanqua camellia.**
- 288703. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.**
- 288704. ILEX AQUIFOLIUM var. CHINENSIS Loes.**
- 288705. LIGUSTRUM JAPONICUM Thunb. Oleaceae. Japanese privet.**
- 288706 to 288720.**
 From Japan. Plants presented by the Faculty of Agriculture, Mie Univer-
 sity, Tu, Mie. Received Apr. 18, 1963.
- 288706. MISCANTHUS FLORIDULUS (Labill.) Warb. ex Schum. & Laut.**
 No. 15.
- 288707. MISCANTHUS INTERMEDIUS (Honda) Honda Poaceae.**
 No. 3.
- 288708. MISCANTHUS OLIGOSTACHYUS Stapf**
 No. 2.
- 288709. MISCANTHUS SACCHARIFLORUS (Maxim.) Hack.**
 No. 4. Gifu University, Gifu (OG 1).

288706 to 288720—Continued

- 288710.** *MISCANTHUS SACCHARIFLORUS* var. *BREVIBARBIS* (Honda) Adati
No. 6. Hitoyoshi, Kumamoto (2514).
- 288711.** *MISCANTHUS SACCHARIFLORUS* f. *LATIFOLIUS* Adati
No. 7. Sakai, Osaka (OG 10).
- 288712.** *MISCANTHUS SINENSIS* Anderss. **Chinese silvergrass.**
No. 8. Mie University, Mie.
- 288713 to 288716.** *MISCANTHUS SINENSIS* var. *CONDENSATUS* (Hack.)
Makino
- 288713.** No. 11. Ogago, Hachijo Island, Tokyo (Con. Y). Cultivar.
- 288714.** No. 12. Hachijo, Tokyo (Con. Ho). Cultivar.
- 288715.** No. 13. Ogago, Hachijo Island, Tokyo (Con. I). Cultivar;
male sterile.
- 288716.** No. 14. Tanegashima (Con. T). Cultivar.
- 288717.** *MISCANTHUS SINENSIS* f. *GLABER* Honda
No. 5. Akashi, Hyogo (2213).
- 288718.** *MISCANTHUS SINENSIS* var. *VARIEGATUS* Beal
No. 10.
- 288719.** *MISCANTHUS SINENSIS* f. *ZEBRINUS* (Nichols.) Nakai
No. 9.
- 288720.** *MISCANTHUS TINCTORIUS* (Steud.) Hack.
No. 1. Henga, Fukui (K-2).

288721 to 288887.

From India. Seeds collected by T. Hymowitz, Oklahoma State University,
Stillwater. Received April 19, 1963.

- 288721.** *ALLIUM CEPA* L. Liliaceae. **Onion.**
Col. No. 509. Varadia.
- 288722.** *HORDEUM VULGARE* L. Poaceae.
Col. No. 535. Nakhatrana. Grown under irrigation.
- 288723.** *BRASSICA CAMPESTRIS* L. Brassicaceae. **Bird rape.**
Col. No. 442. Three miles north of Mandvi.
- 288724.** *BRASSICA* sp.
Col. No. 444. Three miles north of Mandvi.
- 288725.** *BRASSICA* sp.
Col. No. 494. Sukphur.
- 288726.** *BRASSICA* sp.
Col. No. 498. Mangwana.
- 288727.** *BRASSICA* sp.
Col. No. 530. Nakhatrana.
- 288728.** *BRASSICA* sp.
Col. No. 531. Nakhatrana.
- 288729.** *BRASSICA* sp.
Col. No. 546. Ratnal.
- 288730.** *BRASSICA* sp.
Col. No. 578. Raper.

288721 to 288887—Continued

- 288731.** *CARICA PAPAYA* L. Caricaceae. **Papaya.**
Col. No. 431. Vijay Viles Agronomics Ltd., 3 miles north of Mandvi.
- 288732.** *CASSIA* sp. Caesalpiniaceae.
Col. No. 458. Dumra. Sometimes used as a lentil.
- 288733.** *CELOSIA ARGENTEA* L. Amaranthaceae. **Feather cockscomb.**
Col. No. 489. Dhunai, 18 miles south of Bhuj.
- 288734.** *CHLORIS GAYANA* Kunth Poaceae. **Rhodesgrass.**
Col. No. 497. Six miles west of Bhuj.
- 288735.** *CORIANDRUM SATIVUM* L. Apiaceae. **Coriander.**
Col. No. 490. Sukhpur.
- 288736.** *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**
Col. No. 427. Vijoy Vilas Agronomics Ltd., 3 miles north of Mandvi.
- 288737 to 288763.** *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. **Guar.**
- 288737.** Col. No. 418. Dhunai.
- 288738.** Col. No. 421. Dahinsara, 15 miles south of Bhuj. Used as cattle feed.
- 288739.** Col. No. 436. Vijay Viles Agronomics Ltd., 3 miles north of Mandvi.
- 288740.** Col. No. 439. Nagalpur. Mostly erect type.
- 288741.** Col. No. 447. Three miles north of Mandvi. Plants erect. Grown under 10 to 12 inches annual rainfall. Used as fodder.
- 288742.** Col. No. 449. Bada.
- 288743.** Col. No. 456. Dumra, 26 miles west of Mandvi.
- 288744.** Col. No. 459. Dumra.
- 288745.** Col. No. 464. Dethia.
- 288746.** Col. No. 468. Ashram.
- 288747.** Col. No. 471. Badi Khakhar, 16 miles east of Mandvi.
- 288748.** Col. No. 479. Mundra.
- 288749.** Col. No. 488. Kondotti.
- 288750.** Col. No. 496. Sukhpur.
- 288751.** Col. No. 502. Mangwana.
- 288752.** Col. No. 511. Varadia.
- 288753.** Col. No. 513. Vadsar. Seeds pinkish.
- 288754.** Col. No. 517. Vadsar.
- 288755.** Col. No. 518. Dolatpur.
- 288756.** Col. No. 529. Vayor.
- 288757.** Col. No. 547. Ratnal.
- 288758.** Col. No. 551. Ningar.
- 288759.** Col. No. 557. Dayaper, 2 miles north of Bhachan.
- 288760.** Col. No. 563. Khirai. Branching; seeds pinkish.
- 288761.** Col. No. 570. Fattehgarh.
- 288762.** Col. No. 576. Raper. Used as cattle feed.
- 288763.** Col. No. 582. Lakdia.

288721 to 288887—Continued

288764. *CYMOPOGON MARTINII* (Roxb.) W. Wats. Poaceae. **Geraniumgrass.**
Col. No. 480. Five miles south of Kondotti. Fragrant roadside plants.
288765. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**
Col. No. 422. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
288766. *ELEUSINE CORACANA* (L.) Goertn. Poaceae. **Ragi.**
Col. No. 410. Nagli, Manapondha, Surat Dist.
288767. *ERAGROSTIS CILIARIS* (L.) R. Br. Poaceae.
Col. No. 457. Dumra.
288768. *FOENICULUM VULGARE* Mill. Apiaceae. **Fennel.**
Col. No. 430. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
288769. *GOSSYPIUM HERBACEUM* L. Malvaceae. **Levant cotton.**
Col. No. 474. Mundra.
288770. *HIBISCUS ESCULENTUS* L. Malvaceae. **Okra.**
Col. No. 413. Dhunai.
288771. *IPOMOEA* sp. Convolvulaceae.
Col. No. 525. Vayor. Used as cattle feed.
288772. *ISCHAEMUM RUGOSUM* Salisb. Poaceae.
Col. No. 417. Dhunai, 18 miles from Bhuj.
288773. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. **Singkwa towelgourd.**
Col. No. 434. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
288774. *LUFFA CYLINDRICA* (L.) Roemer **Singkwa towelgourd.**
Col. No. 433. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
- 288775 and 288776. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**
288775. Col. No. 428. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
288776. Col. No. 536. Nakhatrana.
288777. *MIMUSOPS ELENGI* L. Sapotaceae.
Col. No. 432. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
288778. *MOMORDICA CHARANTIA* L. Cucurbitaceae. **Balsam-pear.**
Col. No. 425. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
288779. *OCIMUM SANCTUM* L. Menthaceae.
Col. No. 512. Bhuj. Green type; mosquito repellent. Christian religion plant.
288780. *PASPALUM SCROBICULATUM* L. Poaceae.
Col. No. 411. Nanapondha, Surat Dist.
- 288781 to 288803. *PENNISETUM TYPHOIDES* (Burm. f.) Stapf & Hubbard
Poaceae.
288781. Col. No. 429. Vijay Vilas Agronomics, Ltd., 3 miles north of Mandvi.
288782. Col. No. 445. Three miles north of Mandvi.
288783. Col. No. 450. Bada.
288784. Col. No. 451. Bada. Yields 2,000 pounds per acre.
288785. Col. No. 453. Bada, 15 miles north of Mandvi.
288786. Col. No. 461. Oumra.

288721 to 288887—Continued

- 288787. Col. No. 467. Bidila.
- 288788. Col. No. 675. Mundra.
- 288789. Col. No. 481. Kondrotti.
- 288790. Col. No. 491. Sukhpur, 5 miles northwest of Bhuj.
- 288791. Col. No. 499. Mangwana.
- 288792. Col. No. 503. Varadia.
- 288793. Col. No. 514. Vadsar.
- 288794. Col. No. 519. Dolatpur.
- 288795. Col. No. 527. Vayor.
- 288796. Col. No. 539. Nakhatrana.
- 288797. Col. No. 542. Ratnal.
- 288798. Col. No. 558. Dayaper, 2 miles north of Bhachau.
- 288799. Col. No. 562. Khirai.
- 288800. Col. No. 566. Fatteharh.
- 288801. Col. No. 573. Raper.
- 288802. Col. No. 580. Lakdia.
- 288803. Col. No. 586. Bhachau Agricultural Experiment Station.
Mixed forms.

288804 to 288817. PHASEOLUS ACONITIFOLIUS Jacq. Fabaceae.

Moth bean.

- 288804. Col. No. 414. Dhunai.
- 288805. Col. No. 446. Three miles north of Mandvi.
- 288806. Col. No. 478. Mundra.
- 288807. Col. No. 495. Sukhpur.
- 288808. Col. No. 510. Varadia.
- 288809. Col. No. 521. Dolatpur.
- 288810. Col. No. 528. Vayor.
- 288811. Col. No. 534. Nakhatrana.
- 288812. Col. No. 544. Ratnal.
- 288813. Col. No. 552. Dayaper, two miles north of Bachau.
- 288814. Col. No. 560. Khirai.
- 288815. Col. No. 565. Fatteharh.
- 288816. Col. No. 569. Fatteharh.
- 288817. Col. No. 578. Raper.

288818 to 288833. PHASEOLUS AUREUS Roxb.

Mung bean.

- 288818. Col. No. 415. Dhunai.
- 288819. Col. No. 419. Mandvi.
- 288820. Col. No. 441. Three miles north of Mandvi. Ten to 12 inches
annual rainfall.
- 288821. Col. No. 460. Dumra.
- 288822. Col. No. 466. Bidila.
- 288823. Col. No. 473. Mundra.
- 288824. Col. No. 486. Kondrotti.
- 288825. Col. No. 501. Mangwana.
- 288826. Col. No. 507. Varadia.

288721 to 288887—Continued

288827. Col. No. 522. Dolatpur.
288828. Col. No. 524. Vayor, 18 miles northwest of Naliya.
288829. Col. No. 533. Nakhatrana.
288830. Col. No. 543. Ratnal.
288831. Col. No. 555. Dayaper, 2 miles north of Bhachau.
288832. Col. No. 561. Khirai.
288833. Col. No. 575. Raper.
- 288834 and 288835. PHASEOLUS MUNGO L. Urd.
288834. Col. No. 438. Mandvi.
288835. Col. No. 483. Kondrotti, 15 miles west of Mundra.
288836. PHOENIX DACTYLIFERA L. Phoenicaceae.
Col. No. 485. Kondrotti.
288837. PHRAGMITES KARKA (Retz.) Trin. Poaceae.
Col. No. 541. Growing under water on river bank 48 miles northwest of Bhuj.
- 288838 to 288848. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.
288838. Col. No. 437. Mandvi.
288839. Col. No. 508. Varadia.
288840. Col. No. 516. Vadsar.
288841. Col. No. 523. Chhadura, west of Nali. Plants tall, spindly.
288842. Col. No. 538. Nakhatrana.
288843. Col. No. 549. Ningar.
288844. Col. No. 553. Dayaper.
288845. Col. No. 568. Fattehgarh.
288846. Col. No. 571. Raper.
288847. Col. No. 581. Lakdia.
288848. Col. No. 589. Bhachau Agricultural Experiment Station.
Seeds bald, spineless.
- 288849 to 288864. SESAMUM INDICUM L. Pedaliaceae. Sesame.
288849. Col. No. 420. Mandvi.
288850. Col. No. 452. Bada.
288851. Col. No. 469. Badi Khakhar, 16 miles east of Mandvi.
288852. Col. No. 472. Mundra.
288853. Col. No. 484. Kondrotti.
288854. Col. No. 493. Sukhpur.
288855. Col. No. 504. Varadia.
288856. Col. No. 505. Varadia.
288857. Col. No. 515. Vadsar.
288858. Col. No. 520. Dolatpur.
288859. Col. No. 537. Nakhatrana.
288860. Col. No. 548. Ratnal.
288861. Col. No. 556. Dayaper, 2 miles north of Bhachau.
288862. Col. No. 564. Fattehgarh.

288721 to 288887—Continued

288863. Col. No. 572. Raper.

288864. Col. No. 579. Lakdia.

288865 to 288882. *SORGHUM BICOLOR* (L.) Moench Poaceae.

288865. Col. No. 412. Dhunai.

288866. Col. No. 440. Nagalpur.

288867. Col. No. 443. Three miles north of Mandvi.

288868. Col. No. 462. Dumra.

288869. Col. No. 463. Oumra. Red sorghum; for culinary use.

288870. Col. No. 470. Badi Khahar. Head small, club shaped.

288871. Col. No. 476. Kondrotti.

288872. Col. No. 477. Mundra.

288873. Col. No. 492. Sukhpur. Irrigate if required.

288874. Col. No. 506. Varadia.

288875. Col. No. 526. Vayor.

288876. Col. No. 532. Nakhatrana.

288877. Col. No. 550. Ningar.

288878. Col. No. 554. Dayaper, 2 miles north of Bhachau.

288879. Col. No. 559. Khirai.

288880. Col. No. 567. Fattegharh.

288881. Col. No. 574. Raper.

288882. Col. No. 585. 'Gundhli'. Bhachau.

288883. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.
Col. No. 545. Ratnal.

288884 to 288886. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

288884. Col. No. 465. Bidila.

288885. Col. No. 487. Kondrotti. Irrigated.

288886. Col. No. 500. Mangwana, 21 miles west of Bhuj. Irrigated.

288887. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

Col. No. 482. Kondrotti. Seed "black and red-eyed".

288888 to 288896.

From Mexico. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Apr. 19, 1963.

288888. *AGAVE CHRYSOGLOSSA* I. M. Johnst. Amaryllidaceae.

Col. No. 19882. Five miles north of Bahia San Carlos Sonora. March 1963. Single, narrow-leaved rosettes with straight leaves; spikes 2 meters tall, erect; flowers yellow.

288889. *AGAVE PALMERI* E. N. Gelm.

Col. No. 19888. Sixteen miles southeast of Magdalena, road to Cucurpe, Sonora. April 1963. Small, single and suckering, glaucous green rosettes.

288890. *AGAVE SCHOTTII* E. N. Gelm.

Col. No. 19889. Sixteen miles southeast of Magdalena, road to Cucurpe, Sonora. April 1963. Forms large dense clones.

288888 to 288896—Continued**288891. AGAVE sp.**

Col. No. 19876. Bahia San Carlos, Sonora. March 1963. Small suckering caespitose rosettes with narrow to somewhat wider leaves, filiferous, frequently with yellow stripes in the middle of leaves.

288892. AGAVE sp.

Col. No. 19881. Five miles north of Bahia San Carlos, Sonora. March 1963. Single, glaucous gray rosettes with leaves of varying width, frequently cross zoned.

288893. AGAVE sp.

Col. No. 19886. Sierra Baviso, 16 miles southeast of Magdalena, near Canyon de Palmas, Sonora. March 1963. Dark green, single rosettes with straight to upcurving, rather pliant leaves; spikes 2.5 to 4 meters tall.

288894. AGAVE sp.

Col. No. 19890. Sixteen miles southeast of Magdalena, road to Cucurpe, Sonora. April 1963. Forms large clones of Nolina-like narrow leaved rosettes; leaves one meter long, finely filiferous.

288895. AGAVE sp.

Col. No. 19896. Cerro del Viejo, 25 miles south of Caborca, Sonora. Elevation 4,000 feet. April 1963. Single, dark green, eight-leaved rosettes; spikes 2 to 3 meters tall with long, bifurcate pedicels.

288896. AGAVE sp.

Col. No. 19897. Cerro del Viejo, 25 miles south of Caborca, Sonora. Elevation 4,000 feet. April 1963. Medium glaucous gray, rather few-leaved rosettes, with broad, curving, heavily armed, zoned leaves.

288897. SORBUS LANCIFOLIA Headl. Malaceae.

From Norway. Scions presented by Herredsekogmesteren Isndre Helgeland, Kystbygger, Alstahaug. Received Apr. 22, 1963.

288898 to 289521.

From Hungary. Seeds presented by the National Institute for Agrobotany, Taposzele. Received Apr. 22, 1963.

All seed packets bore No. 110.

288898 to 288909. ALLIUM CEPA L. Liliaceae.**Onion.**

288898. VII-11-5. 'De Vinga'.

288899. VII-11-6. 'Ceaclama'.

288900. VII-11-13. 'Krasznodarszkij'.

288901. VII-11-14. 'Danilovszkij'.

288902. VII-11-20. 'Gul Zittauer Dommismoen'.

288903. VII-11-32. 'Besszonovszkij'.

288904. VII-11-34. 'Pogarszkij'.

288905. VII-11-37. 'Sillani Sarga'.

288906. VII-11-39. 'Braunschweiger'.

288907. VII-11-43. 'Madeira'.

288908. VII-11-46. Makoi Kerek, Zsemlye Szinu.

288909. VII-11-48. Tavaszi Eszustfeher Kerek, Lapos.

288910 to 288922. ARACHIS HYPOGAEA L. Fabaceae.**Peanut.**

288910. II-1-1. 'Prjamostojacskij'.

288911. II-1-3. 'Sztjepnyak'.

288912. II-1-4. 'Taskenszkij 32'.

288898 to 289521—Continued

288913. II-1-5. 'Taskentszkij 112'.
 288914. II-1-8. 'White Spanish'.
 288915. II-1-9. 'Sakania'.
 288916. II-1-14. 'Makoi'.
 288917. II-1-17. 'Vniimk 1657'.
 288918. II-1-18. A.65.
 288919. II-1-44. 'Toro'.
 288920. II-1-71. 'Spanish 205'.
 288921. II-1-94. 'Improved Spanish'.
 288922. II-1-95. 'Chair Chai'.
 288923 to 288927. *ARRHENATHERUM ELATIUS* (L.) Presl **Poaceae.**
Tall oatgrass.
 288923. IV-36-1. 'Georgikon'.
 288924. IV-36-14. 'Kolbai-fele'.
 288925. IV-36-16. 'Cseh'.
 288926. IV-36-18. 'Taroczi-fele'.
 288927. IV-36-22. 'Mottervitzer'.
 288928 to 288930. *BRASSICA OLERACEA* var. *CAPITATA* L. **Brassicaceae.**
Cabbage.
 288928. VII-12-66. 'Hadjusagi'.
 288929. VII-12-67. 'Nagyecsedi'.
 288930. VII-12-68. 'Szabolcsi'.
 288931. *BRASSICA OLERACEA* var. *ACEPHALA* DC. **Kale.**
VII-31-2. 'Ovari Takarmanykaposzta'.
 288932 to 288979. *CAPSICUM ANNUM L.* **Solanaceae.** **Pimento.**
 288932. VII-9-1. 'Sarga Chilli'.
 288933. VII-9-2. 'Kinai Chilli'.
 288934. VII-9-3. Ex Japan.
 288935. VII-9-7. 'Bogyiszloi'.
 288936. VII-9-8. 'Cecei Csungo'.
 288937. VII-9-9. 'Szegedi Nagy Cseresznye'.
 288938. VII-9-11. 'Tetenyi Apro Cseresznye'.
 288939. VII-9-30. 'Zold Kalinkoi'.
 288940. VII-9-31. 'Orias Kosszarvu'.
 288941. VII-9-32. 'Kresztjanszkij'.
 288942. VII-9-33. 'Gun-szu-lin-szjao-la-dzjao'.
 288943. VII-9-37. 'Hankau Parasztpaprika'.
 288944. VII-9-39. 'Madras Chilli'.
 288945. VII-9-42. 'Pazardjischki Kapia 794'.
 288946. VII-9-43. 'Sipka Belaja'.
 288947. VII-9-45. 'Tltostenna Ostra-Slovenska'.
 288948. VII-9-47. 'Tltostenna Zitawska rajova'.
 288949. VII-9-48. 'Tltostenna Dunajska Krajova'.
 288950. VII-9-49. 'Tltostenna Pawzska Krajova'.

288898 to 289521—Continued

288951. VII-9-54. 'Paradicsomalaku Feher'.
 288952. VII-9-63. 'Keszthelyi Feher'.
 288953. VII-9-64. 'Elefantormany'.
 288954. VII-9-65. 'Szegedi Apro Cseresznye'.
 288955. VII-9-66. 'Gundillas'.
 288956. VII-9-70. 'Dunajskaja 3'.
 288957. VII-9-71. 'Hurbanovska 4'.
 288958. VII-9-72. 'Slovenskaja 5'.
 288959. VII-9-73. 'Plovdivski Jus'.
 288960. VII-9-74. 'Albino'.
 288961. VII-9-75. 'Bolgar Felallo'.
 288962. VII-9-76. 'Novoszebeka Kapija'.
 288963. VII-9-78. 'Csardas'.
 288964. VII-9-79. 'Maritza'.
 288965. VII-9-80. 'Chanca'.
 288966. VII-9-82. 'Hochgenuss'.
 288967. VII-9-93. 'Belaja Kapija'.
 288968. VII-9-94. 'Gorogled'.
 288969. VII-9-96. 'Szivria'.
 288970. VII-9-103. Piros, Japan.
 288971. VII-9-104. N. Sarga, Japan.
 288972. VII-9-106. 'K. Z. Kinai'.
 288973. VII-9-109. Hontakka, Japan.
 288974. VII-9-120. 'Wiener Wachs'.
 288975. VII-9-121. 'Cayenne'.
 288976. VII-9-126. 'Neusiedler'.
 288977. VII-9-128. 'Weisser Krim'.
 288978. VII-9-129. 'Pimento'.
 288979. VII-9-137. 'Carre Doux d'Amerique'.
 288980. CAPSICUM ANNUM L. Pimento.
 VII-49-1.
 288981. CAPSICUM ANNUM L. Pimento.
 VII-36-1.
 288982. CAPSICUM ANNUM L. Pimento.
 VII-48-1.
 288983. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.
 VI-96-1.
 288984 to 288989. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.
 288984. VII-7-17. 'Ananasz Voros'.
 288985. VII-7-25. 'Togo'.
 288986. VII-7-27. 'Bellegrade Cantalup'.
 288987. VII-7-28. 'Javitott Magyar Kincs'.
 288988. VII-7-54. 'Ezust Ananasz'.
 288989. VII-7-55. 'Kosarga'.

288898 to 289521—Continued

- 288890 to 288996. *CUCUMIS SATIVUS* L. Cucumber.
288890. VII-4-1. 'Kecskesteti Hamvas'.
288891. VII-4-3. 'Parizsi Furtos'.
288892. VII-4-4. 'Muromi Furtos'.
288893. VII-4-5. 'Nemet Furtos'.
288894. VII-4-6. 'Francia Furtos'.
288895. VII-4-7. 'Nemet Kigyo'.
288896. VII-4-8. 'Kinai Kigyo'.
- 288997 to 289003. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
288997. IV-35-1. 'Szekacs-fele'.
288998. IV-35-3. 'Georgikon'.
288999. IV-35-4. 'Martonvasari G.T'.
289000. IV-35-14. 'Brudzynska'.
289001. IV-35-25. 'Roshilde'.
289002. IV-35-28. No. 01436.
289003. IV-35-38. 'Kolbai-fele'.
289004. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
- IV-46-2. 'Brudzynska'.
- 289005 to 289013. *FESTUCA ELATIOR* L. Meadow fescue.
289005. IV-41-9. Hay type.
289006. IV-41-21. 'Motycka'.
289007. IV-41-32. M. 9409.
289008. IV-41-34. M. 9410.
289009. IV-41-35. M. 9411.
289010. IV-41-36. M. 71081.
289011. IV-41-40. 'Keszthelyi'.
289012. IV-41-41. 'Keszthelyi 3'.
289013. IV-41-42. 'Keszthelyi 126'.
289014. *FESTUCA RUBRA* L. Red fescue.
- IV-42-22. 'Keszthelyi L. 1-57'.
289015. *LACTUCA ALTAICA* Fisch. & Mey. Cichoriaceae.
- VII-50-1.
- 289016 to 289062. *LACTUCA SATIVA* L. Cichoriaceae. Garden lettuce.
289016. VII-10-1. 'Americanischer Brauner'.
289017. VII-10-2. 'Fruher, Gelber Krausblattriger'.
289018. VII-10-3. 'Hohlblattriger Butter'.
289019. VII-10-4. 'Kasseler'.
289020. VII-10-5. 'Trianon'.
289021. VII-10-11. 'Hjarteress'.
289022. VII-10-13. 'Laurezianer'.
289023. VII-10-14. 'Leppermann/41'.
289024. VII-10-15. 'Prefere'.
289025. VII-10-16. 'Prinz v. Lowenstein'.
289026. VII-10-17. 'Rudolfs Liebling'.

288898 to 289521—Continued

289027. VII-10-18. 'Spat Aufschliessender Grosser Gelber'.
 289028. VII-10-19. 'Stuttgarter Sommer'.
 289029. VII-10-21. 'Viktoria'.
 289030. VII-10-23. 'Wischenauer Typ'.
 289031. VII-10-25. 'Dippego'.
 289032. VII-10-27. 'Nochowska'.
 289033. VII-10-29. 'Bronowicka'. Typ. B.
 289034. VII-10-35. 'Lobjoils Dark Green'.
 289035. VII-10-36. 'May King'.
 289036. VII-10-43. 'Trocadero S.N'.
 289037. VII-10-44. 'Merav. 4 Stagioni'.
 289038. VII-10-48. 'Budai Hajtato'.
 289039. VII-10-49. 'Soroksari Hajtato'.
 289040. VII-10-51. 'Presto'.
 289041. VII-10-52. 'Furchte Nicht'.
 289042. VII-10-53. 'Ausztraliai Sarga'.
 289043. VII-10-54. 'Bottner Hajtato'.
 289044. VII-10-55. 'Attrakcio'.
 289045. VII-10-56. 'Dacfej Sargaszold'.
 289046. VII-10-57. 'Dacfej Barna'.
 289047. VII-10-58. 'Laibachi Jeges'.
 289048. VII-10-59. 'Nansen'.
 289049. VII-10-60. 'Stuttgarti Nyari'.
 289050. VII-10-61. 'Cazard'.
 289051. VII-10-62. 'Vajfej'.
 289052. VII-10-63. 'Majus Kiralya'.
 289053. VII-10-64. 'Aranysarga Kofej'.
 289054. VII-10-65. 'Huvelyk Matyi'.
 289055. VII-10-67. 'Gigant'.
 289056. VII-10-68. 'Brauner Sommer'.
 289057. VII-10-71. 'Winter-Maiwunder'.
 289058. VII-10-77. 'Woodwars Early Mammuth'.
 289059. VII-10-78. 'Zwart Duits'.
 289060. VII-10-79. 'Sans Rivale'.
 289061. VII-10-80. 'Schreibers Princeps'.
 289062. VII-10-81. 'Dickkopf'.
 289063 to 289065. LACTUCA SERRIOLA L.
 289063. VII-60-2.
 289064. VII-63-2.
 289065. VII-63-3.
 289066 to 289080. LENS CULINARIS Medic. Fabaceae. Lentil.
 289066. II-3-1. 'Slovenska Krajova'.
 289067. II-3-2. 'Slovenska Modra'.
 289068. II-3-5. 'Algiri'.

288898 to 289521—Continued

289069. II-3-6. 'Dorosht Tabriz'.
 289070. II-3-9. 'Vinga'.
 289071. II-3-13. 'Hallerova'.
 289072. II-3-15. 'Tg. Frumos'.
 289073. II-3-16. 'Pallagi Kek'.
 289074. II-3-19. 'Pallagi Sarga'.
 289075. II-3-20. 'Cyprusi'.
 289076. II-3-21. 'Moravska'.
 289077. II-3-22. 'Ghiza 9'.
 289078. II-3-27. 'Large Blonde Precoce'.
 289079. II-3-30. 'Petite Rouge d'Egypte'.
 289080. II-3-31. 'Spats Alpenlinse'.

289081 to 289157. LINUM USITATISSIMUM L. Linaceae.

289081. VI-4-2. No. 11.
 289082. VI-4-5. No. 129.
 289083. VI-4-15. No. 205.
 289084. VI-4-16. No. 547.
 289085. VI-4-37. No. 1015.
 289086. VI-4-46. No. 1040.
 289087. VI-4-49. 'Martin'.
 289088. VI-4-56. No. 1048.
 289089. VI-4-59. No. 1049.
 289090. VI-4-60. No. 1051.
 289091. VI-4-90. 'Szegedi Alfa Olajlen'.
 289092. VI-4-91. 'Beta 201'.
 289093. VI-4-93. 'Beta 91'.
 289094. VI-4-94. 'Hosszahati Tajfajta'.
 289095. VI-4-95. 'Szerepi Olajlen'.
 289096. VI-4-100. 'Hosszuhati 7016'.
 289097. VI-4-101. 'Hosszuhati 7022'.
 289098. VI-4-103. 'Hosszuhati 8401'.
 289099. VI-4-105. 'Voronyezsi 1308'.
 289100. VI-4-106. 'Sumpersky Olajlen'.
 289101. VI-4-107. 'Bjelo Katjacs'.
 289102. VI-4-109. 'Karnobat 2'.
 289103. VI-4-111. 'Galego'.
 289104. VI-4-112. 'Primavera'.
 289105. VI-4-113. 'Sziciliali Olajlen'.
 289106. VI-4-121. 'Stensballe'.
 289107. VI-4-128. 'Maroc'.
 289108. VI-4-131. 'Flax Local Hindi'.
 289109. VI-4-132. 'Hendi'.
 289110. VI-4-133. 'Nagpur'.
 289111. VI-4-135. 'Ausztraliai Olajlen'.

288898 to 289521—Continued

289112. VI-4-137. 'Bison'.
289113. VI-4-140. 'Diadem'.
289114. VI-4-143. 'Ottawa 770 B'.
289115. VI-4-148. 'Wicking Heggenen'.
289116. VI-4-149. 'Benvenuto Labrador'.
289117. VI-4-150. 'Benvenuto Real'.
289118. VI-4-151. 'Buck 3'.
289119. VI-4-152. 'Chaurra Olajlen'.
289120. VI-4-157. 'La Previzion'.
289121. VI-4-158. 'Rio'.
289122. VI-4-171. 'Cyprus'.
289123. VI-4-188. 'Karnobat 4'.
289124. VI-4-199. 'H39/B. La Plata'.
289125. VI-4-200. 'H39/A. La Plata'.
289126. VI-4-228. 'Muscel'.
289127. VI-4-234. 'Arad'.
289128. VI-4-252. 'Barradas Benafin'.
289129. VI-4-255. 'Verin'.
289130. VI-4-285. 'Siciliana'.
289131. VI-4-289. 'Endress Olajlen'.
289132. VI-4-290. 'Metcha'.
289133. VI-4-296. 'Jalomita'.
289134. VI-4-308. 'Cujavi'.
289135. VI-4-315. T. I.
289136. VI-4-337. Vir. 1647.
289137. VI-4-352. 'Deutscher Endress'.
289138. VI-4-353. 'Lina Cujmir'.
289139. VI-4-354. 'Lina Deta'.
289140. VI-4-356. 'Palestinski'.
289141. VI-4-358. 'Sztavropolszkij 79'.
289142. VI-4-359. 'Sztepnj N. 265'.
289143. VI-4-378. 'Bolley Golden'.
289144. VI-4-380. 'Ceimbrao'.
289145. VI-4-381. 'Donszkoj 166'.
289146. VI-4-387. Lina Gros Grain'.
289147. VI-4-388. 'Linko de Riga'.
289148. VI-4-390. M. 2890.
289149. VI-4-391. M. 4664.
289150. VI-4-392. M. 5656.
289151. VI-4-397. 'Leucadia'.
289152. VI-4-398. 'Pervencho'.
289153. VI-4-399. 'Rockett'.
289154. VI-4-400. 'Raja'.
289155. VI-4-404. 'Humpata'.

288898 to 289521—Continued

289156. VI-4-410. 'Maros Olajlen'.
 289157. VI-4-414. 'Rezista'.
 289158 to 289161. LUPINUS ALBUS L. Fabaceae. White lupine.
 289158. II-5-9. 'Pflugs Ultra'.
 289159. II-5-10. 'Pflugs Gela'.
 289160. II-5-13. 'Kraftquell'.
 289161. II-5-14. 'Nahrquell'.
 289162 to 289164. LUPINUS ANGUSTIFOLIUS L. Bitter blue lupine.
 289162. II-6-3. 'Novozubkovszkij 3434'.
 289163. II-6-4. 'Munchebergi Zarthuvelyu'.
 289164. II-6-15. 'Pulawy'.
 289165. LUPINUS HARTWEGII Lindl.
 II-19-1.
 289166. LUPINUS HIRSUTUS L. European blue lupine.
 II-7-1.
 289167 to 289174. LUPINUS LUTEUS L. European yellow lupine.
 289167. II-4-1. 'Gyulatanyai Sargaviragu Edescsillagfurt'.
 289168. II-4-2. 'Gyulatanyai 869'.
 289169. II-4-4. 'Byelanski Partewny'.
 289170. II-4-8. 'Weiko II'.
 289171. II-4-11. 'Weiko III'.
 289172. II-4-14. 'Nevers'.
 289173. II-4-16. 'Schwako'.
 289174. II-4-19. 'Weiko IV'.
 289175. LUPINUS MUTABILIS Sweet South American lupine.
 II-25-1.
 289176. LUPINUS POLYPHYLLUS Lindl. Washington lupine.
 II-14-1.
 289177. LUPINUS VARIUS Linn.
 II-88-1.
 289178 to 289309. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.
 289178. VII-8-4. 'Korai Csemege'.
 289179. VII-8-6. 'Keckskemeti D.30'.
 289180. VII-8-8. 'Keckskemeti Heterozis'.
 289181. VII-8-10. 'Solymari'.
 289182. VII-8-11. 'Humbert'.
 289183. VII-8-13. 'Moszkvai'.
 289184. VII-8-14. 'Csemege Szabadfoldi'.
 289185. VII-8-15. 'Tukondi'.
 289186. VII-8-16. 'Krasznodini 590'.
 289187. VII-8-17. 'Gribaseki'.
 289188. VII-8-19. 'Szabadfoldi Korai'.
 289189. VII-8-20. 'Dan Export'.
 289190. VII-8-23. 'Deli'.

288898 to 289521—Continued

289191. VII-8-24. 'Paratlan'.
289192. VII-8-25. 'Anait'.
289193. VII-8-26. 'Haniski Koranero'.
289194. VII-8-27. 'San Marsano'.
289195. VII-8-31. 'Fruchtaroma'.
289196. VII-8-33. 'Zuricher Markt'.
289197. VII-8-34. 'Westlandia'.
289198. VII-8-35. 'Goldene Konigin'.
289199. VII-8-36. 'Elsassland'.
289200. VII-8-41. 'Carnosa'.
289201. VII-8-42. 'Schappis Kusnachter Alpenglühn'.
289202. VII-8-43. 'Roter Gnom'.
289203. VII-8-45. 'Micado'.
289204. VII-8-48. 'Canadienne Mendel'.
289205. VII-8-49. 'Pierette'.
289206. VII-8-52. 'Sans Pareille'.
289207. VII-8-53. 'Saint Pierre'.
289208. VII-8-55. 'Selandia'.
289209. VII-8-60. 'Kvckers Trots'.
289210. VII-8-62. 'Kampioen'.
289211. VII-8-66. 'Fruhernte'.
289212. VII-8-67. 'Piccolo'.
289213. VII-8-68. 'Danderyd'.
289214. VII-8-69. 'Scania'.
289215. VII-8-70. 'Landora /50 Orig'.
289216. VII-8-71. 'Sirius'.
289217. VII-8-73. 'Linia 71'.
289218. VII-8-74. 'Aurora de Tiganesti'.
289219. VII-8-75. 'De Tiganesti'.
289220. VII-8-102. 'Kecskemeti 42'.
289221. VII-8-103. 'Kecskemeti 364'.
289222. VII-8-105. 'Kuban 557'.
289223. VII-8-106. 'Iregszemcsei Korai Csemege'.
289224. VII-8-107. V. 545.
289225. VII-8-108. 'Nunheins'.
289226. VII-8-109. No. 49.
289227. VII-8-110. 'Stanbov Alpatyeva'.
289228. VII-8-112. 'Nyiszovszky 51'.
289229. VII-8-116. 'Texto 2'.
289230. VII-8-121. 'Bones Bote'.
289231. VII-8-122. 'Puskin'.
289232. VII-8-124. O.P. IX.
289233. VII-8-125. Det. Cerasiforme.
289234. VII-8-128. 'Foti'.

288898 to 289521—Continued

289235. VII-8-129. 'Fanal'.
 289236. VII-8-133. 'Kecskemeti 33'.
 289237. VII-8-135. 'Kecskemeti 22'.
 289238. VII-8-138. 'Plovdiv 14'.
 289239. VII-8-139. 'Majak'.
 289240. VII-8-140. 'Fruhe Liebe'.
 289241. VII-8-141. 'Tomatillo'.
 289242. VII-8-144. 'Kecskemeti 20'.
 289243. VII-8-145. 'Kecskemeti 178'.
 289244. VII-8-147. 'Garfield Elnok'.
 289245. VII-8-148. 'Kecskemeti 363'.
 289246. VII-8-153. 'Plovdiv 10'.
 289247. VII-8-155. 'Piac Csodaja'.
 289248. VII-8-156. 'Waltham Scarlet'.
 289249. VII-8-157. 'Havkovszky'.
 289250. VII-8-159. 'Pecsovsky'.
 289251. VII-8-161. V.121.
 289252. VII-8-163. 'Cromco'.
 289253. VII-8-164. 'Merevszaru Karlik'.
 289254. VII-8-165. 'Bebi'.
 289255. VII-8-167. 'Cseresznyealaku'.
 289256. VII-8-169. 'Valnorth'.
 289257. VII-8-171. 'Sperls Zukunft'.
 289258. VII-8-172. 'Purpur Konig'.
 289259. VII-8-175. 'Uj Ustokos'.
 289260. VII-8-177. 'Vahle Leader'.
 289261. VII-8-178. 'Kaki'.
 289262. VII-8-181. 'Reziszta'.
 289263. VII-8-188. 'Piros Lotharingiai'.
 289264. VII-8-189. 'Kokomo'.
 289265. VII-8-190. 'Ribka'.
 289266. VII-8-191. 'Pagno'.
 289267. VII-8-192. 'Terv'.
 289268. VII-8-193. 'Novocserkaszki'.
 289269. VII-8-194. 'Birjnesekutsky'.
 289270. VII-8-197. 'Steyerische Stamm'.
 289271. VII-8-199. 'Rheinlands Rhum/Rajnai'.
 289272. VII-8-203. No. 10.
 289273. VII-8-204. No. 37.
 289274. VII-8-205. 'Grunsovoj Grubovszki'.
 289275. VII-8-206. 'Niedrige Busch'.
 289276. VII-8-210. 'Morse's Spec. 498'.
 289277. VII-8-217. 'Alpatjeva'.
 289278. VII-8-218. 'Isobilje'.

288898 to 289521—Continued

289279. VII-8-223. 'Ambition', English grown.
 289280. VII-8-229. 'Blondkopfchen'.
 289281. VII-8-230. 'Linia 15/53 Tiganesti'.
 289282. VII-8-232. 'Linia 1622/54 Lovrin'.
 289283. VII-8-235. 'Doneckij 3/2-1'.
 289284. VII-8-237. E-72.
 289285. VII-8-241. 'Keszthelyi Botermo'.
 289286. VII-8-242. 'Beymes Erntesegen'.
 289287. VII-8-243. 'Vortreffliche'.
 289288. VII-8-244. 'Harzer Kind'.
 289289. VII-8-245. 'Gartenfreude'.
 289290. VII-8-246. 'Debreceni Furtos'.
 289291. VII-8-248. 'Zuker Kleifruchtige'.
 289292. VII-8-249. 'Voskovoј'.
 289293. VII-8-251. 'Sliwkowe'.
 289294. VII-8-259. 'Juli Matador'.
 289295. VII-8-260. 'Record Rumunii'.
 289296. VII-8-261. 'Przczkowe'.
 289297. VII-8-263. 'Wisniowe'.
 289298. VII-8-264. 'Karzelek Pulawski'.
 289299. VII-8-267. 'Santa Cruz'.
 289300. V418-268. 'Sieger'.
 289301. VII-8-270. 'Yellov Ailsa Craig'.
 289302. VII-8-272. 'Ficarazzi'.
 289303. VII-8-273. 'Jaune Grosse Lisse'.
 289304. VII-8-281. 'Graf Zeppelin'.
 289305. VII-8-284. 'Peremog'.
 289306. VII-8-285. 'Tigrus Karalis'.
 289307. VII-8-294. 'Americke Pyramidni'.
 289308. VII-8-295. 'Feuerkugel'.
 289309. VII-8-313. 'Buschtomate'.
 289310. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**
 III-12-4. 'Thuringer'.
 289311. *MEDICAGO ORBICULARIS* (L.) All. **Buttonclover.**
 III-47-2.
 289312. *MEDICAGO TUBERCULATA* (Retz.) Willd. **Cogwheel medic.**
 III-49-1.
 289313 to 289315. *MELILOTUS OFFICINALIS* (L.) Lam. Fabaceae. **Yellow sweetclover.**
 289313. III-10-2. 'Madrid Sweet Clover'.
 289314. III-10-4. S.65.
 289315. III-10-5. A. 1320.
 289316 to 289318. *ONOBRYCHIS ARENARIA* DC. Fabaceae.
 289316. III-39-4. 'Pavlovskij Pezcsanuj'.

288898 to 289521—Continued

289317. III-39-5. 'Peszcsanuj Ulucssennuj'.
 289318. III-39-6. 'Ukrainszkij 2795'.
 289319. ONOBRYCHIS CAPUT-GALLI Lam.
 III-51-2.
 289320 to 289337. PANICUM MILLACEUM L. Poaceae. **Proso.**
 289320. I-8-4. 'Bolgar 162'.
 289321. I-8-5. 'Bolgar 165'.
 289322. I-8-15. 'Slovenske Cervene'.
 289323. I-8-16. 'Harkovszkoe 436'.
 289324. I-8-19. 'Novourenszkoe 241'.
 289325. I-8-21. 'Gierczyekie SWHN'.
 289326. I-8-26. 'Kazanszkoe 506'.
 289327. I-8-49. 'Sztahanovszkoe 596'.
 289328. I-8-50. 'Voronezsszkoe 3985'.
 289329. I-8-63. 'Omszkoe 9'.
 289330. I-8-68. 'Bolgar 60'.
 289331. I-8-77. 'Strzeleckie Czerwone'.
 289332. I-8-78. 'Strzeleckie Zolte'.
 289333. I-8-106. 'Lovaszpatonai Feher'.
 289334. I-8-107. 'Mezohegyesi Piros'.
 289335. I-8-158. 'Dzsambejginszkaja'.
 289336. I-8-159. 'Uralszkoe'.
 289337. I-8-160. 'Toldanszko 215'.
 289338 to 289372. PHASEOLUS VULGARIS L. Fabaceae. **Common bean.**
 289338. II-16-2. 'Lempoe'.
 289339. II-16-3. 'Ohnegleichen'.
 289340. II-16-4. 'Phaenomen'.
 289341. II-16-5. 'Ruhm von Vorgebirge'.
 289342. II-16-6. 'Blauhulsige Speck'.
 289343. II-16-21. 'Mammut'.
 289344. II-16-22. 'Rakowiczka'.
 289345. II-16-25. 'Don Carlos'.
 289346. II-16-27. 'Islebia'.
 289347. II-16-28. 'Meisterstuck'.
 289348. II-16-30. 'Rekord'.
 289349. II-16-32. 'Goldbohne'.
 289350. II-16-33. 'Goldkrone'.
 289351. II-16-34. 'Mansfelder Gold'.
 289352. II-16-37. 'Juli Brech'.
 289353. II-16-40. 'Schlachtschwert'.
 289354. II-16-41. 'Zucker Perl Prinzess'.
 289355. II-16-42. 'Juliskabab'.
 289356. II-16-43. 'Banat Elita'.
 289357. II-16-52. 'Granda'.

288898 to 289521—Continued

289358. II-16-53. 'Eislebener Fruhe Breite Wachs'.
 289359. II-16-54. 'Fruhgold'.
 289360. II-16-55. 'Goldregen'.
 289361. II-16-59. 'Triguillo'.
 289362. II-16-60. 'Fasole de Jalomita'.
 289363. II-16-61. 'Banafeana'.
 289364. II-16-62. 'Da Jalomita'.
 289365. II-16-63. 'Zlata Koruna'.
 289366. II-16-66. 'Algarrobeno'.
 289367. II-16-67. 'Canario'.
 289368. II-16-73. 'Usoare de Moldva'.
 289369. II-16-75. 'Stupicka'.
 289370. II-16-79. 'Yellow Eye'.
 289371. II-16-80. 'Wachs Goldkind'.
 289372. II-16-81. 'Meisterwerk'.
- 289373 to 289478. PHASEOLUS VULGARIS var. NANUS Martens
289373. II-10-1. 'Voorluk'.
 289374. II-10-2. 'Wiejska'.
 289375. II-10-4. 'Aranyeso'.
 289376. II-10-5. 'Quittlinga'.
 289377. II-10-7. 'Super Metis'.
 289378. II-10-8. 'St. Andreas'.
 289379. II-10-11. 'Londoner Markt'.
 289380. II-10-13. 'Widusa'.
 289381. II-10-15. 'Doppelte Hollandische Prinzessin'.
 289382. II-10-20. 'Virgo'.
 289383. II-10-21. 'Numbus'.
 289384. II-10-22. 'Fa-lan-dou'.
 289385. II-10-25. 'La Victoire'.
 289386. II-10-26. 'Nouvel Eremitage'.
 289387. II-10-27. 'Crussol'.
 289388. II-10-28. 'Coco Naino Blanche Precoce'.
 289389. II-10-37. 'Bauernfreude'.
 289390. II-10-47. 'Carmensita'.
 289391. II-10-48. 'Ohelsenia'.
 289392. II-10-50. 'Caffer'.
 289393. II-10-54. 'Fin de Bagnolet'.
 289394. II-10-57. 'Neue Metis'.
 289395. II-10-59. 'Schweizer Marktbeherrscher'.
 289396. II-10-60. 'Supermichelet'.
 289397. II-10-61. 'Zucker Perl, Feine Weisse'.
 289398. II-10-62. 'Benarys Riesen'.
 289399. II-10-64. 'Cardine'.
 289400. II-10-65. 'Christ'.

288898 to 289521—Continued

289401. II-10-67. 'Biala Wyborowa'.
289402. II-10-68. 'Bomba THZ'.
289403. II-10-69. 'Krakowska'.
289404. II-10-70. 'Perlowa'.
289405. II-10-71. 'Koda'.
289406. II-10-73. 'Zlotka'.
289407. II-10-74. 'Erfurter Speck'.
289408. II-10-75. 'Doppelte Hollandische Prinzess'.
289409. II-10-79. 'Zolotaja Gora'.
289410. II-10-80. 'Saxa Kustovaja'.
289411. II-10-85. 'Kaboon'.
289412. II-10-86. 'Gesundheit'.
289413. II-10-87. 'Saxa'.
289414. II-10-88. 'Krusztovaja'.
289415. II-10-89. 'Szevernaja Zvezda'.
289416. II-10-90. 'Saxa Bez Volokna'.
289417. II-10-91. 'Sirokosztrucsnaja'.
289418. II-10-93. 'Beka'.
289419. II-10-94. 'Nanko'.
289420. II-10-96. 'F. Kompolti Feher Gyongybab'.
289421. II-10-98. 'Gelbe Englische Treib'.
289422. II-10-99. 'Genfer Markt'.
289423. II-10-101. 'Granda'.
289424. II-10-102. 'Granda II'.
289425. II-10-105. 'Imperatore de Russia'.
289426. II-10-106. 'Kaiser Wilhelm'.
289427. II-10-107. 'Karlsruhe Markt'.
289428. II-10-108. 'Konserva'.
289429. II-10-109. 'Krum Schnabel'.
289430. II-10-112. 'Nordstern'.
289431. II-10-113. 'Norwegian'.
289432. II-10-115. 'Ostfriesi'.
289433. II-10-117. 'Prinsa'.
289434. II-10-118. 'Quedlinburger Regina'.
289435. II-10-119. 'Quedlinburger Robusta'.
289436. II-10-122. 'Wiener Treib'.
289437. II-10-123. 'Weisse Kackbohne'.
289438. II-10-126. 'Fruke Wachs II'.
289439. II-10-127. 'Nonpareille'.
289440. II-10-131. 'Goldquelle'.
289441. II-10-133. 'Immertreu'.
289442. II-10-135. 'Saxagold'.
289443. II-10-136. 'Unerschopfliche'.
289444. II-10-139. 'Metis'.

288898 to 289521—Continued

289445. II-10-141. 'Aurora'.
 289446. II-10-142. 'Dornburger Weisse'.
 289447. II-10-164. 'Transvaal'.
 289448. II-10-169. 'Pisarecka Zlutoluska'.
 289449. II-10-171. 'Imuna'.
 289450. II-10-172. 'Weisse Nieren'.
 289451. II-10-175. 'Lange Brech'.
 289452. II-10-176. 'Incomparable'.
 289453. II-10-180. 'Kompas'.
 289454. II-10-182. 'Wachs Aristokrat'.
 289455. II-10-185. 'Wachs Amtsrat Koch'.
 289456. II-10-186. 'Comette'.
 289457. II-10-190. 'Ahlelsona'.
 289458. II-10-194. 'Balin de Abenga'.
 289459. II-10-197. 'Corwette'.
 289460. II-10-201. 'Dobrogea'.
 289461. II-10-203. 'Enorma'.
 289462. II-10-205. 'F. Ruzenszkaja'.
 289463. II-10-206. 'Fleissige Berta'.
 289464. II-10-209. 'Herkules'.
 289465. II-10-213. 'Kenearly'.
 289466. II-10-215. 'Michelite'.
 289467. II-10-224. 'Neger'.
 289468. II-10-229. 'Perhisky'.
 289469. II-10-230. 'Predonne'.
 289470. II-10-235. 'Rio des Belges'.
 289471. II-10-238. 'Tandalala'.
 289472. II-10-243. 'Wachs Rheinland'.
 289473. II-10-250. 'Wachs Ideal'.
 289474. II-10-254. 'Torekeny Vizsz'.
 289475. II-10-280. 'Amulet'.
 289476. II-10-282. 'Stella'.
 289477. II-10-284. 'Wachs Unerschopfliche'.
 289478. II-10-309. 'Digoin'.
 289479. VICIA BENGHALENSIS L. Fabaceae. **Purple vetch.**
 III-23-1.
 289480 and 289481. VICIA ERVILIA (L.) Willd. **Bittervetch.**
 289480. III-25-2. 57031. 'Rovi'.
 289481. III-25-3. 'Rovi'.
 289482. VICIA HYBRIDA L.
 III-91-1. A-2531.
 289483. VICIA LATHYROIDES L.
 III-97-1.

288898 to 289521—Continued

289484. *VICIA LUTEA* L.

III-31-1.

289485. *VICIA NARBONENSIS* L.

III-73-6. A-3910. Algeria.

289486. *VICIA PANNONICA* Crantz

000-2-1. 'Beta Pannonbukkony'.

289487. *VICIA PANNONICA* var. *STRIATA* (Bieb.) Griseb.

III-110-1.

289488 to 289519. *VICIA SATIVA* L.

Common vetch.

289488. II-3-4. 'Beta 11'.

289489. II-3-26. 'Sofia'.

289490. II-3-27. 'Sofia No. 20'.

289491. II-3-28. 'Plov Div'.

289492. II-3-31. 'Svalofs Susswicke'.

289493. II-3-32. 'Beta 14'.

289494. II-3-33. 'Bogorodnjikaja 800'.

289495. II-3-35. 'Charkovszkaja N.134'.

289496. II-3-37. 'Kamalinszkaja A-611'.

289497. II-3-38. 'Lgovszkaja 31-292'.

289498. II-3-41. No. 09625.

289499. II-3-42. 'Rugener'.

289500. II-3-51. 'Nordost'.

289501. II-3-52. 'Ettersberger'.

289502. II-3-55. 'Kabylie 130'.

289503. II-3-56. 'Osztrak Tajfajta'.

289504. II-3-57. Bi. 45.

289505. II-3-59. 'Languedoc 159'.

289506. II-3-60. 'Francia Tajfajta'.

289507. II-3-61. 'Strzelecka Biala'.

289508. II-3-62. 'Pornberger'.

289509. II-3-63. 'No. 3, Szofia'.

289510. II-3-64. 'No. 26, Szofia'.

289511. II-3-65. No. 1-12.

289512. II-3-68. 'No. 96, Tschirpan'.

289513. II-3-69. 'Strzeleche Rdzowa'.

289514. II-3-70. 'Stjarni'.

289515. II-3-71. 'Prerovska Astra'.

289516. II-3-72. Pop. No. 1. 11.

289517. II-3-73. 'Strzelecka Slodka'.

289518. II-3-74. 'Brucher Sommerwicke'.

289519. II-3-82. B.I. 49.

289520. *VICIA TETRASPERMA* (L.) Moench

III-111-2.

588898 to 289521—Continued

289521. VICIA VILLOSA Roth

Hairy vetch.

III-1-1. 'Kisvardai'.

289522 to 289525.

From Poland. Scions presented by the Research Institute of Pomology, Skierniewice. Received Apr. 23, 1963.

289522. PYRUS sp. Malaceae.

'Czui-czu-li'.

289523. PYRUS sp.

'Niu-czu-zi'.

289524. PYRUS sp.

'Pingo-li'.

289525. PYRUS sp.

'Sion-szu-mi'.

289526. SORGHUM BICOLOR (L.) Moench Poaceae.

From the British West Indies. Seeds presented by the Director of Science and Agriculture, Bridgetown, Barbados. Received Apr. 24, 1963.

'Guinea Corn' or 'Guinea Kafir'.

289527. MEDICAGO SATIVA L. Fabaceae.**Alfalfa.**

From Germany. Seeds presented by the Kleinwanzlebener Saatzucht, Einbeck (Hannover). Received Apr. 24, 1963.

'Plauffiger'.

289528 and 289529.

From Kenya. Seeds presented by I. E. Siegenthaler, Jimma, Ethiopia. Received Apr. 24, 1963.

289528. TRIFOLIUM RUEPPELLIANUM Fresen. Fabaceae.

From Kitale.

289529. TRIFOLIUM USAMBARENSE Taub.

From Kitale. K-53814.

289530 and 289531. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

From Italy. Seeds presented by the Istituto di Patologia Vegetale, Università di Perugia, Perugia. Received Apr. 24, 1963.

289530. 'American', dwarf, green. Seeds ovate, with greenish-yellow cast; hilum grown.

289531. 'Cannellino de Romagna'. Plants dwarf; seeds white, long cylindrical.

289532 to 289535. ORYZA SATIVA L. Poaceae.**Rice.**

From Viet-Nam. Seeds presented by Frances Latterell, United States Army, Fort Detrick, Md. Received Apr. 24, 1963.

289532. VN-31.

289534. VN-33.

289533. VN-32.

289535. VN-34.

289536 and 289537. ORYZA SATIVA L. Poaceae.**Rice.**

From the Philippines. Seeds presented by the University of the Philippines, Laguna. Received Apr. 24, 1963.

289536. 'Iningcanto'.

289537. 'Kina Lang Kang'.

289538. BRASSICA OLERACEA var. GEMMIFERA DC. Brassicaceae.
Brussels sprouts.

From Great Britain. Seeds presented by the Scottish Horticultural Research Institute, Dundee, Scotland. Received Apr. 24, 1963.

Glossy leaf type.

289539 and 289540.

From Germany. Seeds presented by the Botanischer Garten, Munchen-Nymphenburg. Received Apr. 24, 1963.

289539. TRIOSTEUM FARGESII Franch. Caprifoliaceae.

289540. TRIOSTEUM ROSTHORNII Diels & Graebn.

289541 to 289544.

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Direccion General de Fomento Agricola, Buenos Aires. Received Apr. 24, 1963.

289541. STIPA HIRTIFLORA Hackel & Dusen Poaceae.

From Chubut.

289542. STIPA NEAEI Nees ex Steud.

From Chubut.

289543. STIPA PSYLANTHA Speg.

From Chubut.

289544. STIPA SPECIOSA Trin. & Rupr.

Desert needlegrass.

From Chubut.

289545. BERTEROA INCANA Karsten Brassicaceae.

From the United States. Seeds presented by the Montana State College, Bozeman, Mont. Received Apr. 24, 1963.

Boz. 62-992.

289546 and 289549.

From Sweden. Seeds presented by the University of Lund, Lund. Received Apr. 24, 1963.

289546. PIERIS sp. Ericaceae.

289547 to 289549. VIBURNUM OPULUS L. Caprifoliaceae.

European cranberrybush.

From Kane Province.

289547. No. 39. Elevation 90 meters.

289548. No. 40. Elevation 100 meters.

289549. No. 41. Elevation 15 meters.

289550 to 289552.

From Switzerland. Seeds presented by the Jardin Botanique, Geneva. Received Apr. 24, 1963.

289550. RHODODENDRON FERRUGINEUM L. Ericaceae. Rock rhododendron.

289551. VIBURNUM LANTANA L. Caprifoliaceae. Wayfaring-tree.

289552. VIBURNUM LANTANA L. Wayfaring-tree.

289553 to 289560.

From Great Britain. Seeds presented by the Royal Horticultural Society, Wisley, Ripley, Woking, Surrey, England. Received Apr. 24, 1963.

289553. RHODODENDRON AMAGIANUM (Makino) ex Hara Ericaceae.

289553 to 289560—Continued

289554. RHODODENDRON DEGRONIANUM Carr.
 289555. RHODODENDRON DISCOLOR Franch.
 289556. RHODODENDRON GRIERSONIANUM Balf. f. & Forr.
 289557. RHODODENDRON OREOTREPES W. W. Smith
 289558. RHODODENDRON PUBESCENS Balf. f. & Forr.
 289559. RHODODENDRON RUSSATUM Balf. f. & Forr.
 289560. RHODODENDRON YUNNANENSE Franch. Yunnan rhododendron.

289561 to 289569.

From Great Britain. Seeds presented by the Royal Botanic Garden, Edinburgh, Scotland. Received Apr. 24, 1963.

289561. RHODODENDRON BALFOURIANUM Diels Ericaceae.
 No. 1424.
 289562. RHODODENDRON CHARTOPHYLLUM Franch.
 No. 1450.
 289563. RHODODENDRON CONCINNUM Hemsl.
 No. 1456.
 289564. RHODODENDRON DEGRONIANUM Carr.
 No. 1465.
 289565. RHODODENDRON GRIERSONIANUM Balf. f. & Forr.
 No. 1494.
 289566. RHODODENDRON OREOTREPES W. W. Smith
 No. 1533.
 289567. RHODODENDRON PUBESCENS Balf. f. & Forr.
 No. 1542.
 289568. RHODODENDRON RUBIGNOSUM Franch.
 No. 1551.
 289569. RHODODENDRON VILMORINIANUM Balf. f.
 No. 2527.

289570. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.

From Poland. Scions presented by the Research Institute of Pomology, Skierniewice. Received Apr. 24, 1963.

'Drogan Yellow'. Very winter-hardy chance seedling of German origin. Fruit heart type, small, yellow, susceptible to cracking.

289571 to 289574.

From Denmark. Seeds presented by Universitetets Botaniske, Have, Copenhagen. Received Apr. 24, 1963.

289571. HIBISCUS CAMERONII Knowles & Westc. Malvaceae.
 289572. HIBISCUS ROSEUS Thore
 289573. MYRICA GALE L. Myricaceae.
 From native plants.
 289574. VIBURNUM WILSONII Rehder Caprifoliaceae.

289575 to 289609.

From Great Britain. Seeds presented by the Department of Agricultural Botany, Reading University, Reading, England. Received Apr. 25, 1963.

289575 to 289609—Continued

289575. *AEGILOPS COMOSA* Sibth & Smith Poaceae.
No. 43.
289576. *AEGILOPS CYLINDRICA* Host **Jointed goatgrass.**
No. 44.
289577. *AEGILOPS JUVENALIS* (Thell.) Eig.
No. 45.
289578. *AEGILOPS OVATA* L.
No. 46.
289579. *AEGILOPS SPELTOIDES* Tausch
No. 47.
289580. *AEGILOPS TRIARISTATA* Willd.
No. 48.
289581. *AEGILOPS TRIUNCIALIS* L. **Barb goatgrass.**
No. 49.
289582. *AEGILOPS VARIABILIS* Eig
No. 50.
289583. *AEGILOPS VENTRICOSA* Tausch
No. 51.
- 289584 to 289589. *AVENA SATIVA* L. Poaceae. **Common oats.**
289584. No. 79. 'Opus 111'.
289585. No. 80. 'Orion 111'.
289586. No. 82. 'Potato'.
289587. No. 84. 'Quality'.
289588. No. 85. 'Resistance'.
289589. No. 89. 'Sandy'.
289590. *HORDEUM DEFICIENS* var. *STEUDELI* (Koern.) Harlan Poaceae.
No. 133.
289591. *HORDEUM JUBATUM* L. **Foxtail barley.**
No. 128.
289592. *HORDEUM MURINUM* L.
No. 130.
289593. *HORDEUM NODOSUM* L. **Meadow barley.**
No. 129.
289594. *HORDEUM VULGARE* var. *AFGHANICUM* Vav. ex Ivanova
No. 131.
289595. *HORDEUM VULGARE* var. *NIGRICANS* (Ser.) Koern.
No. 132.
289596. *HORDEUM VULGARE* var. *TRIFURCATUM* (Schlecht.) Koern.
No. 134.
289597. *SECALE CEREALE* L. Poaceae. **Rye.**
No. 148.
289598. *SECALE MONTANUM* Guss. **Mountain rye.**
No. 149.

289575 to 289609—Continued

289599. *TRITICUM AEGILOPOIDES* Forsk. Poaceae.
No. 156.
289600. *TRITICUM AESTIVUM* L. Common wheat.
No. 157.
289601. *TRITICUM COMPACTUM* Host Club wheat.
No. 158.
289602. *TRITICUM DICOCCOIDES* Koern.
No. 159.
289603. *TRITICUM DICOCCUM* Schrank Emmer.
No. 160.
289604. *TRITICUM DURUM* Desf. Durum wheat.
No. 161.
289605. *TRITICUM MONOCOCCUM* L.
No. 162.
289606. *TRITICUM POLONICUM* L. Polish wheat.
No. 163.
289607. *TRITICUM SPELTA* L. Spelt.
No. 164.
289608. *TRITICUM TIMOPHEEVII* (Zhuk.) Zhuk.
No. 165.
289609. *TRITICUM* sp.
No. 166.

289610 to 289617.

From the Malagasy Republic. Seeds collected by W. W. Huffine, Oklahoma Agricultural Experiment Station, Stillwater. Received Apr. 25, 1963.

- 289610 to 289615. *CYNODON LEPTOCHLOIDES* Steud. Poaceae.
289610. Col. No. 17-106. Sandy, open area, edge of forest, Ambatoloaka Beach, Nossi-Be. Seed production good.
289611. Col. No. 17-107. Sandy, open area. Ambatoloaka Beach, Nossi-Be. Fourteen spikes from 3 nodes on rachis of inflorescence; seed production good.
289612. Col. No. 18-108. Open, flat, sandy-clay site in valley, at airport near east center of Nossi-Be. Near sea level. Seed production good.
289613. Col. No. 18-109. Dry, sandy roadside in wooded hills area, Hellville-Airport road, Nossi-Be. Elevation 200 feet. Inflorescence with 4 to 6 spikes 2 to 4 inches long, flexuous; seed production good.
289614. Col. No. 18-110. Dry roadside, 0.5 mile south of Dzamandzar, west-central Nossi-Be. Seed production good.
289615. Col. No. 19-116. Dry, sandy area. Majunga airport, Madagascar; near sea level. Seed production good.
289616. *DICHANTHIUM* sp. Poaceae.
Col. No. 18-115. Dry site, rolling terrain among sugarcane fields, along railroad, Dzamandzar, Nossi-Be. Near sea level.
289617. *DICANTHIUM* sp.
Col. No. 19-117. Very dry, sandy soil, airport Majunga, Madagascar. Near sea level.

289618 to 289621. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received Apr. 25, 1963.

289618. 'Dixie Spanish'.

289620. 'Virginia Large Seeded'.

289619. 'Virginia Improved'.

289621. 'Virginia Red'.

289622 to 289627. HELIANTHUS ANNUUS L. Asteraceae.**Sunflower.**

From France. Seeds presented by W. W. Huffine, Oklahoma Agricultural Experiment Station, Stillwater. Received Apr. 25, 1963.

289622. No. 1. Seeds black.

289623. No. 2. Seeds black.

289624. No. 3. Seeds black.

289625. No. 4. Seeds black.

289626. No. 5. Seeds black and white striped.

289627. No. 6. 'Vniimk 8931'. Seeds black.

289628 to 289630.

From Argentina. Seeds presented by the Estacion Experimental Agropecuaria, Manfredi. Received Apr. 25, 1963.

289628. ARACHIS PUSILLA Benth. Fabaceae.

'Prado-Salta'.

289629 and ~~289630~~. ARACHIS VILLOSA Benth.

289629. K.7830. Arroyo Riachuelo, Postal Route 12.

289630. K.7897. Ten km. west of Ituzaingo, Postal Route 13.

289631 to 289637.

From Brazil. Seeds presented by the Estacion Experimental Agropecuaria, Manfredi, Argentina. Received Apr. 25, 1963.

289631. ARACHIS GLABRATA var. HAGENBECKII (Harms) F. J. Hermann
Fabaceae.

Forty-eight km. north of Campo Grande, Cuiaba road, Mato Grosso.

289632. ARACHIS MARTII Handro

To the northwest of Cuiaba, Mato Grosso.

289633. ARACHIS sp.

G.K.P. 9646. Bela Vista, near the Paraguayan border.

289634. ARACHIS sp.

G.K.P. 9812. Seven km. from Campo Grande, Mato Grosso.

289635. ARACHIS sp.

G.K.P. 9901. One hundred seventy-six km. north of San Lorenzo and about 70 km. from Cuiaba, Mato Grosso.

289636. ARACHIS sp.

G.K.P. 9993A. Near Corumba, Uvucum road, Mato Grosso.

289637. ARACHIS sp.

G.K.P. 9993B. Near Corumba, Uvucum road, Mato Grosso.

289638 to 289640.

From Bolivia. Seeds presented by the Estacion Experimental Agropecuaria, Manfredi, Argentina. Received Apr. 25, 1963.

289638 to 289640—Continued

289638. *ARACHIS RIGONII* A. Krapovickas & W. C. Gregory Fabaceae.
Highway strip, Santa Cruz de la Sierra.

289639. *ARACHIS* sp.
No number. Rio Parapeti.

289640. *ARACHIS* sp.
G.K.P. 10.017. Robore.

289641 to 289687.

From Spain. Seeds presented by the Institute Forestal de Investigaciones y Experiencias, Madrid, via the United States Embassy, Rome, Italy. Public Law 480 Project E-25-FS-1. Received Apr. 25, 1963.

289641. *AGROSTIS SALMANTICA* (Lag.) Kunth Poaceae.
C-7. Ciudad Real Prov.

289642. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. ex Aschus. & Schweinj. Poaceae. Smilgrass.

D-7. Badajoz Prov.

289643. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.

E-11. Ciudad Real Prov.

289644. *AGROSTIS* sp. Poaceae.

F-137. Zaragoza Prov.

289645. *ALOPECURUS MYOSUROIDES* Huds. Poaceae. Foxtail.

E-10. Ciudad Real Prov.

289646. *ALOPECURUS PRATENSIS* L. Meadow foxtail.

E-68. Ciudad Real Prov.

289647. *ALOPECURUS MYOSUROIDES* Huds. Foxtail.

E-87. Ciudad Real Prov.

289648. *ASTRAGALUS HAMOSUS* L. Fabaceae.

M-137. Badajoz Prov.

289649. *ASTRAGALUS BOURGAEANUS* Cos. ex Char.

M-142. Badajoz Prov.

289650. *DORYCNOPSIS GERARDII* Boiss. Fabaceae.

F-59. Cadiz Prov.

289651. *FESTUCA* sp. Poaceae.

C-45. Ciudad Real Prov.

289652. *FESTUCA OVINA* L. Sheep fescue.

C-67. Madrid Prov.

289653. *FESTUCA RUBRA* L. Red fescue.

D-59. Ciudad Real Prov.

289654. *FESTUCA* sp.

G-45. Madrid Prov.

289655. *BROMUS ERECTUS* Huds. Poaceae. Meadow brome.

G-61. Guadalajara Prov.

289656. *FESTUCA RUBRA* L. Poaceae. Red fescue.

H-1. Zaragoza Prov.

289657. *HIPPOCREPIS* sp. Fabaceae.

C-77. Cuenca Prov.

289641 to 289687—Continued

289658. *KOELERIA CAUDATA* (Link) Steud. Poaceae.
A-10. Zaragoza Prov.
289659. *KOELERIA VALLESIANA* (Honck.) Bertol. in Roem. & Schult.
G-48. Ciudad Real Prov.
289660. *TRIFOLIUM SQUARROSUM* L. Fabaceae.
C-96. Ciudad Real Prov.
289661. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
E-50. Cuenca Prov.
289662. *MEDICAGO SATIVA* L. Alfalfa.
E-100. Cuenca Prov.
- 289663 and 289664. *MEDICAGO TRIBULOIDES* Desr. Fabaceae. Barrel medic.
289663. M-71. Ciudad Real Prov.
289664. M-121. Toledo Prov.
289665. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
M-124. Caceres Prov.
289666. *MEDICAGO TRIBULOIDES* Desr. Fabaceae. Barrel medic.
M-128. Caceres Prov.
289667. *MELILOTUS* sp. Fabaceae.
D-92. Albacete Prov.
289668. *MELILOTUS* sp.
G-63. Guadalajara Prov.
289669. *PHALARIS MINOR* Retz. Poaceae. Littleseed canarygrass.
D-8. Ciudad Real Prov.
289670. *PHALARIS* sp.
D-84. Badajoz Prov.
289671. *TRIFOLIUM RESUPINATUM* L. Fabaceae. Persian clover.
C-69. Ciudad Real Prov.
289672. *TRIFOLIUM SCABRUM* L.
F-11. Avila Prov.
- 289673 and 289674. *TRIFOLIUM HIRTUM* All. Rose clover.
289673. G-26. Madrid Prov.
289674. M-118. Toledo Prov.
289675. *TRIFOLIUM LAPPACEUM* L. Lappa clover.
M-125. Caceres Prov.
289676. *VICIA PEREGRINA* L. Fabaceae.
B-61. Cuenca Prov.
- 289677 to 289679. *VICIA SATIVA* L. Common vetch.
289677. E-35. Albacete Prov.
289678. F-20. Cadiz Prov.
289679. M-70. Ciudad Real Prov.
289680. *VICIA SATIVA* var. *ANGUSTIFOLIA* Ser.
C-18. Ciudad Real Prov.
289681. *VICIA LUTEA* L.
C-19. Ciudad Real Prov.

289641 to 289687—Continued

289682. *VICIA SATIVA* L. Common vetch.
 D-81. Albacete Prov.
 289683. *VICIA PEREGRINA* L.
 E-48. Cuenca Prov.
 289684. *VICIA PEREGRINA* L.
 E-64. Albacete Prov.
 289685. *VICIA ANGUSTIFOLIA* L.
 G-9. Toledo Prov.
 289686. *VICIA LUTEA* L.
 G-39. Toledo Prov.
 289687. *VICIA PEREGRINA* L.
 M-85. Guadalajara Prov.

289688 to 289705.

From Australia. Seeds presented by Arthur Yates and Company Proprietary, Limited, Sydney. Received Apr. 25, 1963.

- 289688 to 289690. *ALLIUM CEPA* L. Liliaceae. Onion.
 289688. 'Early Lockyer White'.
 289689. 'Odourless Green Leaf'.
 289690. 'South Australian White Globe'.
 289691. *APIUM GRAVEOLENS* L. Apiaceae. Celery.
 'South Australian White'.
 289692. *BETA VULGARIS* L. Chenopodiaceae. Beet.
 'Fordhook Master'. Silver beet.
 289693 to 289696. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower.
 289693. 'Dundas Phenomenal'.
 289694. 'Perfected Deepheart'.
 289695. Selection 192.
 289696. 'Sharpe's Shorts'.
 289697. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.
 'Flat Parisian'.
 289698. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.
 'Richmond Green Apple'.
 289699. *CUCURBITA MAXIMA* Duch. Cucurbitaceae. Squash.
 'Crown Prince'.
 289700. *DAUCUS CAROTA* L. Apiaceae. Carrot.
 'All Seasons'.
 289701 to 289704. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
 289701. 'College Challenger'.
 289702. 'Heinz Special'.
 289703. Q.5.
 289704. 'Tatura Dwarf Globe'.
 289705. *PASTINACA SATIVA* L. Apiaceae. Parsnip.
 'Melbourne White Skin'.

289706 to 289713.

From Ceylon. Seeds collected by W. W. Huffine, Oklahoma Agricultural Experiment Station, Stillwater. Received April 26, 1963.

289706. *BOTHRIOCHLOA GLABRA* (Roxb.) A. Camus Poaceae.

Col. No. 11-75. Hilly terrain; low, dark soil, Botanical Garden, Peradeniya. Elevation 1,500 feet.

289707. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng King's Ranch bluestem.

Col. No. 11-68. Sea level, east side of Mount Lavinia Hotel, south of Colombo.

289708. *BOTHRIOCHLOA PERTUSA* (L.) A. Camus

Col. 11-69. Quay Drive roadside, opposite lighthouse, Colombo.

289709. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng King's Ranch bluestem.

Col. No. 11-71. Sea level, Galle Face Park, Colombo.

289710. *BOTHRIOCHLOA PERTUSA* (L.) A. Camus

Col. No. 11-74. Dry hilly slope near Herbarium, Botanical Garden, Peradeniya. Elevation 1,500 feet.

289711. *CAPILLIPEDIUM* sp. Poaceae.

Col. No. 11-70. Sea level, Flagstaff Street roadside, between premises 28 and 162, Colombo.

289712. *CYNODON DACTYLON* (L.) Pers. Poaceae. Bermudagrass.

Col. No. 11-73. Near seawall, Galle Face Park, Colombo.

289713. *ZOYSIA TENUIFOLIA* Wildl. ex Trin. Poaceae. Mascarenegrass.

Col. No. 11-72. Sea level, Galle Face Park, Colombo.

289714 to 289729.

From the Malagasy Republic. Seeds collected by W. W. Huffine, Oklahoma Agricultural Experiment Station, Stillwater. Received April 26, 1963.

289714 to 289720. *CYNODON COURSI* A. Camus Poaceae.

289714. Col. No. 15-84. Dry site, Point of View, northwest of Agromonic Station, Lake Alaotra. Elevation 2,400 feet.

289715. Col. No. 15-85. Dry site, Point of View, northwest of Agromonic Station, Lake Alaotra. Elevation 2,400 feet.

289716. Col. No. 15-89. Dry southeast slope, Point of View, Agromonic Station, Lake Alaotra. Elevation 2,400 feet.

289717. Col. No. 16-100. Dry, flat, sandy, open area, Somalac Agricultural Improvement Program Station, near Ambongalava. Elevation 2,400 feet.

289718. Col. No. 16-101. Dry, flat, sandy, open area, Somalac Agricultural Improvement Program Station, near Ambongalava. Elevation 2,400 feet. Low-growing type, not as common as tall type.

289719. Col. No. 16-102. Flat, dry, vacant lot along highway, Ampasikely. Elevation 2,400 feet. Abundant.

289720. Col. No. 16-103. Dry roadside in swampy area, south of Maharidaza. Elevation 2,400 feet. Very abundant.

289721 and 289722. *CYNODON DACTYLON* (L.) Pers. Bermudagrass.

289721. Col. No. 14-83. Flat, sandy roadside in rice-producing area north of Hotel Lehormand, Ambatondrazaka. Elevation 2,200 feet. Abundant. Plants rough, coarse; nodes short; leaves on culm; sheath and blade pubescent on upper portion, blades pubescent below, sheath sparsely so; ligule a ring of silky hairs about 1 mm. long.

289714 to 289729—Continued

289722. Col. No. 15-86. Plots, Agronomic Station, Lake Alaotra. Abundant.

289723 to 289727. *SORGHUM BICOLOR* (L.) Moench Poaceae.

Varieties originated at the plots, Agronomic Station, Lake Alaotra. Elevation 2,400 feet.

289723. Col. No. 15-95.

289724. Col. No. 15-96.

289725. Col. No. 15-97.

289726. Col. No. 15-98.

289727. Col. No. 15-99.

289728. *STENOTAPHRUM DIMIDIATUM* (Thunb.) Wood. Poaceae.

Col. No. 15-87. Plots, Agronomic Station, Lake Alaotra. Elevation 2,400 feet. Common along east coast.

289729. *STENOTAPHRUM SECUNDATUM* (Walt.) Kuntze

St. Augustine grass.

Col. No. 15-88. Plots, Agronomic Station, Lake Alaotra. Elevation 2,400 feet.

289730. *CREPIS FOETIDA* subsp. *RHOEADFOLIA* (Bieb.) Schinz & Keller Cichoriaceae.

From Turkey. Seeds obtained from the University of Ankara, Ankara, under Public Law 480. Received Apr. 26, 1963.

Plant is an erect, branching annual to 7 dm. high; involucrel bracts inflexed, preventing seed shattering. Reported good seed producer.

289731 to 289746.

From the Netherlands. Plants purchased from the Old Farm Nurseries, Boskoop. Received Apr. 26, 1963.

289731. *ABIES BORNMUELLERIANA* Mattf. Pinaceae.

289732. *ABIES CONCOLOR* (Gord.) Hoopes

White fir.

'Candicans'.

289733. *ABIES KAWAKAMII* Hayata

289734. *ABIES NUMIDICA* DeLannoy ex Carr

Algerian fir.

'Glauca'.

289735. *CEDRUS LIBANI* subsp. *STENOCOMA* (Schwarz) Davis Pinaceae.

Cedar-of-Lebanon.

289736 to 289738. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl.

Pinaceae.

Lawson falsecypress.

289736. 'Schongariana'.

289737. 'Stricta Coerulea'.

289738. 'Stricta Viridis'.

289739. *CHAMAECYPARIS LAWSONIANA* f. *ERECTA* (Jaeger) Schneider

'Aurea'.

289740 and 289741. *CHAMAECYPARIS LAWSONIANA* f. *GLAUCA* (Jaeg.) Beissner

289740. 'Argentea'.

289741. 'Lombarts'.

289742. *GINKGO BILOBA* f. *PENDULA* (Van Geert) Beissner Ginkgoaceae.

289731 to 289746—Continued

289743. *ILEX CRENATA* Thunb. Aquifoliaceae. Maidenhair-tree.
'Golden Gem'. Japanese holly.
289744. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
'Doversi, Pendula'.
289745. *PICEA SCHRENKIANA* Fisch. & Mey. Schrenk spruce.
289746. *THUJA OCCIDENTALIS* f. *FILIFORMIS* (Beiss.) Rehder Pinaceae.

289747 to 289750. *CYNODON POLEVANSII* Stent Poaceae.

From the Republic of South Africa. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater, Okla. Received Apr. 30, 1963.

All collected on left side of highway after crossing the bridge going south toward Barberspan from Sannieshof. Elevation 4,400 feet. April 1963.

289747. Col. No. 21-137. 'Kweek'. Dense, low-growing, tight turf with very rigid blades. Should be very wear resistant.
289748. Col. No. 21-138. 'Kweek'. Dense, tight turf with very rigid blades. Should be very wear resistant. Slightly taller than P.I. 289747.
289749. Col. No. 21-139. 'Kweek'. Dense, tight turf with very rigid blades. Should be very wear resistant.
289750. Col. No. 21-140. 'Kweek'. Dense, tight turf with very rigid blades. Should be very wear resistant.

289751. *PERSEA AMERICANA* Mill. Lauraceae. Avocado.

From Guatemala. Seeds collected by M. H. Gaskins, United States Plant Introduction Station, Miami, Fla. Numbered May 1, 1963.

Finca Santa Elena, 20 km. from Tecpan, Departamento Chimaltenango. Elevation about 2,300 meters. Trees in wild, to 25 meters high; trunk to 60 cm. diameter. leaves small, suggesting Mexican race, but free from anise odor. Not identical with typical, lower elevation, Guatemalan race.

289752. *TRITICUM TIMOPHEEVII* (Zhuk.) Zhuk. Poaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 5, 1963.

No. 357-1. University of Sydney, N.S.W.

289753 to 289761. *ORYZA SATIVA* L. Poaceae. Rice.

From the Philippines. Seeds presented by the Maligaya Experiment Station, Munoz, Neuva Ecija. Received Mar. 25, 1963. Numbered May 5, 1963.

289753. 'Caawa' × 'Fortuna 2-118-4'.
289754. 'Caawa' × 'Fortuna 2-118-15'.
289755. 'Caawa' × 'Fortuna 6-49-19'.
289756. 'Cartuna A-3-1'.
289757. 'Lacrose' × 'Caawa' × 'Fortuna 2-118-4'. MV-24.
289758. 'Lacrose' × 'Caawa' × 'Fortuna 2-118-4'. MV-41.
289759. 'Milbuen 1'.
289760. 'Milbuen 19'.
289761. 'Milbuen 20'.

289762. CAPSICUM ANNUUM L. Solanaceae. Pimento.

From the United States. Seeds presented by the Idaho Agricultural Experiment Station, Moscow, Idaho. Numbered May 5, 1963.

Single plant selection from P.I. 206949, from Turkey. Resistant to curly-top virus and used as a parent of 'Idabelle'.

289763. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From the United States. Seeds presented by the Texas Agricultural Experiment Station, Jacksonville, Tex. Numbered May 5, 1963.

'Pinkdeal'. Has genes R, cr. Y, A, C, D, Sp, lc, S and ug.

289764 to 289765. ZEA MAYS L. Poaceae. Corn.

From Colombia. Seeds presented by the National Center of Agricultural Investigations, Medellin. Received May 5, 1963.

289764. ANT. 439 (Montana Corn Race).

289765. 'Venezuela 1'.

289766 to 289775. ZEA MAYS L. Poaceae. Corn.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 5, 1963.

289766. No. 11141. 'Kubanskaya Konservnaya 148'.

289767. No. 13416. 'Belaya Pozdnaya'.

289768. No. 13417. 'Zarya 123'.

289769. No. 13418. 'Zolotaya 299/2'.

289770. No. 13419. 'Nagrada'.

289771. No. 13420. 'Yantarnaya 122'.

289772. No. 14006. 'Yubileinyi 122'.

289773. No. 14007. 'Osнова 2091'.

289774. No. 14008. 'Smena 144-2'.

289775. No. 14009. 'Variety 310'.

289776. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.

From Chile. Seeds presented by the Ministerio de Agricultura, Santiago. Received May 5, 1963.

289777 to 289784. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From the Philippines. Seeds obtained from the Bureau of Plant Industry Economic Garden, Los Banos, Laguna, through the Legaspi Oil Company, Los Angeles, Calif. Numbered May 5, 1963.

289777. 'E. G. Red'. Philippine variety.

289778. 'Tirik'. Philippine variety.

289779. 'Fante 17'. Taiwan introduction.

289780. 'Lungtanyu-Tou'. Taiwan introduction.

289781. 'Yuanyang Tou'. Taiwan introduction.

289782. B180-9. American introduction.

289783. F334-127. American introduction.

289784. 'Mung Fali'. Spanish from India, 1948, as P.I. 163281.

Renumbered as the seeds are several generations removed from the original and had been sent to the Philippines and returned.

289785 to 289795. PENNISETUM SPICATUM (L.) Willd. Poaceae. Pearl millet.

From the Republic of Upper Volta. Seeds collected by J. H. Martin, Agricultural Research Service, Plant Industry Station, Beltsville, Md. Numbered May 5, 1963.

All packets bore the word "SARIA" immediately after the number. All but No. 88 are from (Nouna), West Volta.

289785. No. 88. 'Sagnon'. From Ouahabou (Bozomo), West Volta.

289786. No. 89. 'Dapoa'. From Toni.

289787. No. 90. 'Ouinne'. Tomsila.

289788. No. 91. 'Dai'. Kie.

289789. No. 93. 'Sagnon'. Sere.

289790. No. 96. 'Olan Konkoui'. Bagani.

289791. No. 97. 'Gnonpi'. Barani.

289792. No. 98. 'Bompin'. Barani.

289793. No. 99. 'Douffoua I'. Djibasso.

289794. No. 100. 'Douffoua II'. Djibasso.

289795. No. 101. 'Dapoa'.

289796 and 289797. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received May 5, 1963.

289796. N.C. 2.

289797. 'Virginia Improved'.

289798 to 289824.

From Iran. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 5, 1963.

289798 to 289801. HORDEUM DISTICHON L. Poaceae.

289798. Col. No. 31. Fifty-six km. east of Tepe Musian, towards Andermisk. Dry farming plants.

289799. Col. No. 39. White-seeded component. Five km. east of Khalafabad, a date palm oasis.

289800. Col. No. 39. Black-seeded component.

289801. Col. No. 59. Kazerun threshing floor.

289802 to 289813. HORDEUM VULGARE L. Poaceae.

289802 to 289805. Date and apricot orchard, Mehran.

289802. Col. No. 21. Component A.

289803. Col. No. 21. Component B.

289804. Col. No. 21. Component C.

289805. Col. No. 21. Component D.

289806. Col. No. 27. Irrigated field at edge of Deh Luran. Separated from *Triticum aestivum*.

289807 to 289809. Fifty-six km. east of Tepe Musian, towards Andermisk. Dry farming plants.

289807. Col. No. 31. Component A.

289808. Col. No. 31. Component B.

289809. Col. No. 31. Component C.

289798 to 289824—Continued

- 289810 and 289811. Field at Shush by ruins of Sousa.
 289810. Col. No. 32. Component A.
 289811. Col. No. 32. Component B.
289812. Col. No. 123. Poor, gravelly, canyon-bottom field 43 km. north of Karaj Pass. A separate from *Triticum aestivum*.
289813. Col. No. 140. Precoastal plains valley 159 km. from Gorgon, road to Borznurd. A separate from *Triticum aestivum*.
289814. SECALE CEREALE L. Poaceae. Rye.
 Col. No. 153. Twenty km. southwest of Meshad, road to Zorsht.
- 289815 to 289824. TRITICUM AESTIVUM L. Poaceae. Common wheat.
289815. Col. No. 27. Irrigated field at edge of Deh Luran. A separate from *Hordeum vulgare*.
289816. Col. No. 28. Dryland field 24 km. east of Tepe Musian, towards Andermisk.
289817. Col. No. 32. Field at Shush by ruins of Sousa. A separate from *Hordeum vulgare*.
- 289818 to 289820. Village threshing floor 5 km. east of Khalafabad, a date palm oasis.
 289818. Col. No. 40. Component A.
 289819. Col. No. 40. Component B.
 289820. Col. No. 40. Component C.
- 289821 and 289822. Field 20 km. north of Fehlian.
 289821. Col. No. 51. Component A.
 289822. Col. No. 51. Component B.
289823. Col. No. 123. Poor, gravelly, canyon-bottom field 43 km. north of Karaj Paso. A separate from *Hordeum vulgare*.
289824. Col. No. 140. Precoastal plain valley 159 km. from Gargon, road to Borzmud. A separate from *Hordeum vulgare*.
- 289825 and 289826. TRITICUM AESTIVUM L. Poaceae. Common wheat.
 From Afghanistan. Seeds collected by J. R. Harlan, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Numbered May 5, 1963.
 One hundred thirty-two km. south of Kabul, road to Kandahar.
 289825. Col. No. 324. Component A.
 289826. Col. No. 324. Component B.
- 289827 to 289837.
- From Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered May 5, 1963.
289827. SECALE CEREALE L. Poaceae. Rye.
 Col. No. 889. Chitral community. Elevation 1,250 meters. A separate from *Triticum aestivum*.
- 289828 to 289837. TRITICUM AESTIVUM L. Poaceae. Common wheat.
 289828 to 289831. Sixty-five km. above Gupis.
 289828. Col. No. 795. Component A.
 289829. Col. No. 795. Component B.
 289830. Col. No. 795. Component C.

289827 to 289837—Continued

289831. Col. No. 795. Component D.
 289832 and 289833. Village 5 miles below Teru.
 289832. Col. No. 807. Component A.
 289833. Col. No. 807. Component B.
 289834 and 289835. Chitral community. Elevation 1,250 meters. A separate from *Secale cereale*.
 289834. Col. No. 889. Component A.
 289835. Col. No. 889. Component B.
 289836 and 289837. Dumont, about 18 km. west of Juglate.
 289836. Col. No. 995. Component A.
 289837. Col. No. 995. Component B.

289838 and 289839.

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered May 5, 1963.

289838. HORDEUM VULGARE L. Poaceae.
 Col. No. 1181. Palanbur bazaar. A separate from *Triticum aestivum*.
 289839. TRITICUM AESTIVUM L. Poaceae. Common wheat.
 Col. No. 1181. Palanbur bazaar. A separate from *Hordeum vulgare*.

289840 and 289841.

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered May 5, 1963.

289840. AVENA SATIVA L. Poaceae. Common oats.
 Col. No. 1930. A separate from *Hordeum vulgare*.
 289841. HORDEUM VULGARE L. Poaceae.
 Col. No. 1930. A separate from *Avena sativa*.

289842 to 289867.

From the United States. Vegetative material collected by J. P. Overcash, Mississippi State University, State College; to be transferred to the S-9 Regional Collection at Louisiana State University, Idlewild Farm, Clinton. Numbered May 5, 1963.

289842. CASTANEA DENTATA (Marsh.) Borkh. Fagaceae. American chestnut.
 Miss. Chestnut 1. From J. L. Brown, R. 1, Perkinston. Tree 30 feet high, 35 feet wide; trunk circumference 83 inches 36 inches above soil; fruit tan, nearly 1.5 inches in diameter. Tree probably planted 1890; self-pollinating.

289843 to 289854. MALUS SYLVESTRIS Mill. Malaceae.

289843. Miss. Apple 12. From M. F. Carter, Woodville. Tree 15 years old, healthy, 25 feet high, 20 feet wide; trunk 27 inches in circumference 18 inches above soil; fruit resembles 'Delicious', red striped over green, 6 inches in circumference, ripens after July 1.
 289844. Miss. Apple 19. J. Bourne, R. 1, Foxworth. Tree disease resistant, 25 feet high, 24 feet wide; trunk 24 inches circumference 18 inches above soil; fruit green, 6.5 inches circumference, ripens late August.

289842 to 289867—Continued

289845. Miss. Apple 20. L. D. Bennett, R. 1, Kokomo. Tree 20 years old, 18 feet high, 30 feet wide, disease resistant; trunk 40 inches circumference 24 inches above soil; new shoots to 8 inches long; fruit green and dull red when ripe, 7 inches circumference, ripens late August.
289846. Miss. Apple 21. J. H. Bracey, R. 1, Kokomo. Tree 12 feet high, 12 feet wide, disease resistance fair; trunk 20 inches circumference 12 inches above soil; fruit yellow, ripens mid-August; flesh texture very fine.
289847. Miss. Apple 22. S. L. McKenzie, R. 1, Kokomo. Tree 25 years old, 20 feet high, 25 feet wide, excellent disease resistance; trunk 30 inches circumference 24 inches above soil; new shoots to 18 inches long; fruits green colored when ripe, 8.5 inches circumference, ripens late August.
289848. Miss. Apple 23. B. L. Clearman, R. 3, Sumrall. Tree 18 feet high, 18 feet wide; trunk 21 inches circumference 24 inches above soil; fruit yellow, to 50 percent red striped, 8.5 inches circumference; ripens mid-July; flesh white; texture fine; flavor excellent.
289849. Miss. Apple 24. B. L. Clearman, R. 3, Sumrall. Tree 10 feet high, 10 feet wide; trunk 13 inches circumference 12 inches above soil; fruit green-yellow, ripens mid to late August. An unknown commercial variety.
289850. Miss. Apple 26. M. Smith, R. 3, Sumrall. Tree 20 feet high, 20 feet wide, disease resistance excellent; trunk 26 inches circumference 48 inches above soil; new shoots to 10 inches long; fruit yellow, 9.5 inches circumference, ripens early August.
289851. Miss. Apple 28. E. Varnado, R. 1, Box 5, Magnolia. Tree 18 years old, 24 feet high, 22 feet wide, moderately disease resistant; new shoots to 6 inches long; fruit color green, ripens late June; bears regularly.
289852. Miss. Apple 30. H. C. Phillip, New Augusta. Tree 8 years old, 22 feet high, 19 feet wide, disease resistance excellent; trunk 28 inches circumference 6 inches above soil; fruit sour; bears heavily regularly.
289853. Miss. Apple 33. A. W. Miley, R. 1, Hattiesburg. Tree 24 feet high, 21 feet wide; trunk 36 inches circumference 12 inches above soil. Disease resistance fair.
289854. Miss. Apple 35. A. R. Buck, R. 1, Lucedale. Tree 20 years old, 18 feet high, 24 feet wide, excellent disease resistance; fruit yellow.
289855. PRUNUS sp. Amygdalaceae.
Miss. Plum 1. R. Walker, R. 1, Box 145, Gulfport. Tree 20 years old, 43 feet wide, excellent disease resistance; trunk 63 inches circumference 24 inches above soil; new shoots 15 inches long, over entire tree; fruit reddish blue, ripens before mid-June.
289856. PRUNUS sp.
Miss. Plum 2. M. Oliver, R. 2, Box 455, Bay St. Louis. Hedgerow of trees planted before 1947, now to 15 feet high; fruit drops prematurely. Easily propagated by root shoots.
289857. PRUNUS sp.
Miss. Plum 8. J. J. Clark, R. 1, Box 255, Pascagoula. Tree 16 years old, 32 feet wide, healthy; trunk 44 inches circumference 12 inches above soil; fruit deep red, 1.5 inches diameter, sold locally.
289858. PRUNUS sp.
Miss. Plum 10. N. H. Johnson, R. 4, Lucedale. Tree 20 feet high, 25 feet wide; trunk 34 inches circumference 12 inches above soil; leaf buds dormant 2-27-63; fruit clingstone; flesh red; skin red.

289842 to 289867—Continued**289859. PRUNUS sp.**

Miss. Plum 11. O. Powell, Pine St., Wiggins. Tree 3 years old, 12 feet high, 12 feet wide, excellent disease resistance; fruit clingstone, 1.5 inch diameter, ripens early June; flesh blue, purple to red.

289860. PRUNUS sp.

Miss. Plum 12. J. C. Brown, R. 1, Perkinston. Tree 8 feet high, 8 feet wide, moderately disease resistant; fruit clingstone; flesh deep red.

289861. PRUNUS sp.

Miss. Plum 14. J. C. Brown, R. 1, Perkinston. Tree 12 feet high, 12 feet wide, native; fruit red.

289862. PRUNUS sp.

Miss. Plum 15. C. E. O'Neal, R. 1, Perkinston. Old tree, 9 feet high, 4 feet wide; fruit yellow.

289863. PRUNUS sp.

Miss. Plum 22. E. Buhner, R. 1, Kokomo. Tree 2 to 3 years old, 8 feet high, 8 feet wide, called apricot-plum, wild from McComb, suckers freely, excellent disease resistance; trunk 13-inch circumference 12 inches above soil; fruit pink-yellow, ripens in June.

289864. PRUNUS sp.

Miss. Plum 24. T. E. Beard, Leakesville. Tree 25 feet high, 20 feet wide, excellent disease resistance; trunk 34-inch circumference 24 inches above soil; leaf buds dormant 2-27-63; fruit pink to red with whitish bloom, 1.25 inch diameter; flesh pink to red; flavor excellent.

289865. PRUNUS sp.

Miss. Plum 25. T. T. Courtney, Sr., R. 1, New Augusta. Tree 1 year old, 8 feet high, 8 feet wide; trunk 8-inch circumference 12 inches above soil; leaf buds dormant 2-27-63; fruit red, 5.5-inch circumference, ripens late June.

289866. PRUNUS sp.

Miss. Plum 26. J. Sellers, New Augusta. Tree 25 feet high, 15 feet wide, good disease resistance; trunk 17-inch circumference 12 inches above soil; fruit red, 5-inch circumference, clingstone; ripens mid-June.

289867. PRUNUS sp.

Miss. Plum 27. V. A. Hegwood, R. 1, Brooklyn. Trees in family over 100 years. Tree 5 years old, 12 feet high, 12 feet wide, excellent disease resistance; trunk 16-inch circumference 12 inches above soil; fruit yellow red, 5-inch circumference, ripens mid-June.

289868 to 289886. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From Iran. Seeds presented by the United States Embassy, Tehran. Received May 5, 1963.

289868. Abbass Chawry. Eyvanki.

289869. Abatari.

289870. Agha Nabat. Kashan.

289871. Azabaidjan Chaprg.

289872. Baba Kharman. Daregaz.

289873. Darghaz.

289874. Deh No isfahan. Late type.

289875. Chalae Hatami. Varamin.

289876. Isfahan, new village. Orange-fleshed late type.

289868 to 289886—Continued

289877. Khadkhoda Hasein. Persian melon.

289878. Kharbassi. Tehran.

289879. Langerua. North Iran.

289880. Madjidi. Azerbaidjan Merand.

289881. Mahattat.

289882. Meshedi. Daregaz.

289883. Mostehedi. Long season type.

289884. Mussayholi. Azerbaidjan Merand.

289885. Shaharad.

289886. Souski. Varamin.

289887. EUPHORBIA PULCHERRIMA Willd. ex Klotzsch Euphorbiaceae. Common poinsettia.

From Mexico. Seeds presented by Samuel Kishi, Tlaquepaque. Received May 13, 1963.

289888 to 289890. GOSSYPIUM HIRSUTUM L. Malvaceae.**Upland cotton.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received May 5, 1963.

Open pollinated seed from 'Acala 15/17C'.

289888. III.

289889. IV.

289890. V.

289891. VIGNA SINENSIS (Torner) Savi Fabaceae.

From Argentina. Seeds presented by the Estacion Experimental Agricola, Tucuman. Received June 3, 1963.

Selection No. 22.

289892. DESMODIUM CAMPYLOCAULON F. Muell. ex Benth. Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 3, 1963.

No. Q.672. McKee 10311. Gilruth Plains, Cunnamulla, Queensland.

289893 to 289897.

From Canada. Plants presented by the Royal Botanical Gardens, Hamilton, Ontario. Received May 6, 1963.

289893. CLEMATIS STANS Sieb. & Zucc. Ranunculaceae.

'Kousabotan'.

289894. COTONEASTER FRANCHETI var. CINERASCENS Rehder Malaceae.

289895. COTONEASTER HORIZONTALIS var. PERPUSILLA C. Schneid.

289896. SPIREA × SANSSOUCIANA K. KOCH Rosaceae.

289897. SPIRAEA sp.

Dwarf form.

289898 to 289910.

From Germany. Cuttings presented by the Landes Lehr und Forschungsanstalt, Neustadt. Received May 7, 1963.

289898 to 289990. VITIS RUPESTRIS Scheele Vitaceae.

Sandgrape.

289898. 'Herrmann Goethe 9'.

289898 to 289910—Continued

289899. 193 G × 'Rup. Herrmann Goethe 9'.

289900. 187 G.

289901 to 289909. *VITIS VINIFERA* L.

European grape.

289901. 'Goldriesling'.

289902. 'Pinot Musque P6'.

289903. 'Riesling Klön Steinberg'.

289904. 'Riesling Klön Thringer'.

289905. 'Riesling Klön 90'.

289906. 'Riesling Klön 356'.

289907. 'Riesling Klön 382'.

289908. 'Traminer' × 'Riesling 25/4'.

289909. 'Traminer S'0-4'. Rooted cuttings.

289910. *VITIS* (hybrid).'Vivet 15'. *V. rupestris* × *V. berlandieri*.

289911 to 289932.

From the Republic of South Africa. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received May 7, 1963.

289911 to 289927. Plots at the South Africa Turf Research Station, Frankenwald, Johannesburg. April, 1963. Turf type.

289911. *CYNODON BRADLEYI* Stent Poaceae.

Col. No. 26-150. 'Bradley'.

289912 and 289913. *CYNODON DACTYLON* (L.) Pers.

Bermudagrass.

289912. Col. No. 26-153. 'Royal Cape'.

289913. Col. No. 27-158. No field note.

289914 and 289915. *CYNODON DACTYLON* var. *DENSUS* Hurcombe

289914. Col. No. 26-142. 'Hall's Selection'.

289915. Col. No. 26-143. 'Hall's Selection'.

289916. *CYNODON MAGENNISII* Hurcombe

Col. No. 26-145. 'Magennis Grass'.

289917 and 289918. *CYNODON TRANSVAALENSIS* Burt-Davy

289917. Col. No. 26-146. 'Florida Grass'.

289918. Col. No. 26-155. 'Florida Grass'.

289919. *CYNODON DACTYLON* (L.) Pers.

Col. No. 26-144. 'Burt Davy-Tomsett'.

289920. *CYNODON* sp.

Col. No. 26-147. 'Frankenwald Fine'.

289921. *CYNODON* sp.

Col. No. 26-148. 'Zwartkop Blue'.

289922. *CYNODON* sp.

Col. No. 26-149. 'Howick'.

289923. *CYNODON* sp.

Col. No. 26-151. 'Harrismith'.

289924. *CYNODON* sp.

Col. No. 26-152. 'Rietondale'.

289911 to 289932—Continued

289925. *CYNODON* sp.

Col. No. 26-154.

289926. *CYNODON* *MAGENNISII* Hurcombe

Col. No. 26-156. 'Elgin Upright'.

289927. *CYNODON* sp.

Col. No. 26-157. 'Skaaplaas Fine'.

289928. *CYNODON* sp.

Col. No. 27-159. 'Komati Grass'. Nursery of the Durban Country Club. April 1963. Sandy soil at sea level. Turf type mostly used for tees.

289929. *CYNODON* sp.

Col. No. 27-160. 'Umgeni Grass'. Durban Country Club golf course. April 1963. Sandy soil at sea level. Turf type. From the banks of the Umgeni River, Natal.

289930. *CYNODON* *DACTYLON* (L.) Pers.

Col. No. 27-161. 'Mandy Grass'. Durban Country Club golf course. April 1963. Turf type.

289931. *CYNODON* sp.

Col. No. 27-162. 'Mount Edgcombe'. Durban Country Club golf course. April 1963. Turf type. From a Natal estate.

289932. *PASPALUM* sp. Poaceae.

Col. No. 27-163. Durban Country Club golf course. April 1963. Turf type, perhaps far superior to our Southern States type. It is being rapidly introduced into all the *Cynodon* greens at this course.

289933. *LUPINUS* *POLYPHYLLUS* Lindl. Fabaceae.

Washington lupine.

From the United States. Seeds presented by the Alaska Agricultural Experiment Station, Palmer. Received May 7, 1963.

Collected in Matanuska Valley.

289934. *SORBUS* *SCOPULINA* Green Malaceae.

From the United States. Collected by L. A. Mullen, Regional Plant Introduction Station, Pullman, Wash. Numbered May 7, 1963.

Collected in Bonner County, Idaho, elevation 725 meters, now growing in Pullman. Shrub to 4 meters high; branches reddish brown; leaflets oblong lanceolate, serrate, glabrate and glossy; inflorescence flat topped or slightly rounded, to 15 cm. broad; fruit orange to scarlet, globose, to 10 mm. diameter.

289935 to 289939.

From Nepal. Seeds and bulbs presented by G. A. C. Herklot, Katmandu. Received May 7, 1936.

289935. *ILEX* sp. Aquifoliaceae.

Collected on Sheopuri, elevation 7,800 feet. Tree to 30 feet high; leaves lanceolate, to 3.5 inches long, nearly 1 inch wide, cuspidate; fruit red. Tree smaller; fruits larger and grows at higher elevation than *I. excelsa*.

289936 and 289937. *LILIUM* *NEPALENSE* D. Don Liliaceae.

Lily.

289936. Collected on Maneddanda, elevation 8,000 feet.

289937. Collected at Phulchore, elevation 7,600 feet. Bulbs.

289938. *LUCULIA* *GRATISSIMA* (Wall.) Sweet Rubiaceae.

Chandragari. Hanging plant on moist, rocky, valley sides; flowers pink, October; seeds immature.

289935 to 289939—Continued

289939. PRUNUS CERASOIDES D. Don Amygdalaceae. Sikkim cherry.

Collected in Godavari, Nepal valley, elevation 5,000 feet. Tree to 40 feet high; flowers November-December; seeds collected first week in April.

289940 to 290020.

From Turkey. Seeds collected and held by D. R. Cornelius, Crops Research Division, United States Department of Agriculture, Berkeley, Calif.

Numbered May 8, 1963.

289940 to 289945. TRIFOLIUM ANGUSTIFOLIUM L. Fabaceae.

289940. No. 80. 289943. No. 822.

289941. No. 133. 289944. No. 831.

289942. No. 280. 289945. No. 887.

289946 to 289952. TRIFOLIUM ARVENSE L. Rabbitfoot clover.

289946. No. 184B. 289950. No. 705.

289947. No. 236-1. 289951. No. 800.

289948. No. 236-2. 289952. No. 928.

289949. No. 236-3.

289953 to 289963. TRIFOLIUM CAMPESTRE Schreb. Large hopclover.

289953. No. 49. 289959. No. 171.

289954. No. 66. 289960. No. 199.

289955. No. 82. 289961. No. 292.

289956. No. 111. 289962. No. 708.

289957. No. 126. 289963. No. 918.

289958. No. 145.

289964 to 289967. TRIFOLIUM CHERLERI L.

289964. No. 35. 289966. No. 107.

289965. No. 74. 289967. No. 890.

289968. TRIFOLIUM COMPACTUM Post

No. 104.

289969 and 289970. TRIFOLIUM DIFFUSUM Ehrh.

289969. No. 916-1.

289970. No. 916-2.

289971 and 289972. TRIFOLIUM DUBIUM Sibth. Small hopclover.

289971. No. 106.

289972. No. 799.

289973 to 289978. TRIFOLIUM GLOBOSUM L.

289973. No. 172. 289976. No. 234-1.

289974. No. 184A. 289977. No. 234-2.

289975. No. 223A. 289978. No. 240.

289979 to 289983. TRIFOLIUM HIRTUM All. Rose clover.

289979. No. 73. 289982. No. 217A.

289980. No. 121. 289983. No. 243.

289981. No. 187A.

289984 to 289990. TRIFOLIUM LAPPACEUM L. Lappa clover.

289984. No. 9. 289985. No. 85.

289940 to 290020—Continued

289986. No. 125. 289989. No. 258.
 289987. No. 217B. 289990. No. 920.
 289988. No. 228.
- 289991 and 289992. **TRIFOLIUM MENEGHINIANUM** Clem.
 289991. No. 934-1.
 289992. No. 934-2.
- 289993 to 289995. **TRIFOLIUM OCHROLEUCON** Huds.
 289993. No. 112. Perennial.
 289994. No. 623B. Perennial.
 289995. No. 817. Perennial.
289996. **TRIFOLIUM PETRISAVII** Clem.
 No. 894.
- 289997 and 289998. **TRIFOLIUM PILULARE** Boiss.
 289997. No. 184A.
 289998. No. 223.
- 289999 to 290001. **TRIFOLIUM RESUPINATUM** L. Persian clover.
 289999. No. 47-1.
 290000. No. 47-2.
 290001. No. 47-3.
- 290002 to 290004. **TRIFOLIUM RYTDIOSEMIUM** Boiss & Hohen.
 290002. No. 565. Perennial.
 290003. No. 620-1. Perennial.
 290004. No. 620-2. Perennial.
- 290005 and 290006. **TRIFOLIUM SCUTATUM** Boiss.
 290005. No. 120.
 290006. No. 925.
- 290007 and 290008. **TRIFOLIUM SPECIOSUM** Willd.
 290007. No. 225.
 290008. No. 225B.
- 290009 and 290010. **TRIFOLIUM SPUMOSUM** L.
 290009. No. 5.
 290010. No. 16.
290011. **TRIFOLIUM SUBTERRANEUM** L. Subterranean clover.
 No. 892.
- 290012 and 290013. **TRIFOLIUM TOMENTOSUM** L.
 290012. No. 20B.
 290013. No. 242.
- 290014 to 290016. **TRIFOLIUM XEROCEPHALUM** Fenzl
 290014. No. 252-1.
 290015. No. 252-2.
 290016. No. 252-3.
290017. **TRIFOLIUM** sp.
 No. 114.

289940 to 290020—Continued

290018. TRIFOLIUM sp.

No. 117.

290019. TRIFOLIUM sp.

No. 137-1.

290020. TRIFOLIUM sp.

No. 137-2.

290021 to 290531.

From Hungary. Seeds presented by the National Institute for Agrobotany,
Tapioszele. Received May 8, 1963.

- 290021 to 290111. AVENA SATIVA L. Poaceae. Common oats.
290021. I-6-8. 'ICAR 878'.
 290022. I-6-9. 'Cenad 88'.
 290023. I-6-12. 'Szekacs 8'.
 290024. I-6-13. 'Lovaszpatonai 214'.
 290025. I-6-14. 'Fleischmann'.
 290026. I-6-15. 'Hatvani 187'.
 290027. I-6-16. 'Bankuti 124'.
 290028. I-6-17. 'Bankuti 553'.
 290029. I-6-18. 'Kompolti'.
 290030. I-6-19. 'Przeboj I'.
 290031. I-6-20. 'Przeboj II'.
 290032. I-6-21. 'Antoninski'.
 290033. I-6-22. 'Udicz Zolty'.
 290034. I-6-23. 'Bialy Mazur'.
 290035. I-6-26. 'Bamboo I'.
 290036. I-6-27. 'Bamboo II'.
 290037. I-6-28. 'Universal'.
 290038. I-6-29. 'Flammingstreau'.
 290039. I-6-30. 'Svalofs Goldregen'.
 290040. I-6-43. 'Cesky Zlutý'.
 290041. I-6-44. 'Rychlik'.
 290042. I-6-45. 'Moszkovszkij A-315'.
 290043. I-6-46. 'Sztepnjak 648'.
 290044. I-6-48. 'Proporczyk'.
 290045. I-6-49. 'Pulawski Wczesny 227'.
 290046. I-6-50. 'Endres Fruher Gelb'.
 290047. I-6-52. No. 5.
 290048. I-6-53. 'Goldhafer II'.
 290049. I-6-57. 'Svalofs Goldregen III'.
 290050. I-6-58. 'Omeko'.
 290051. I-6-59. 'Holdi'.
 290052. I-6-60. 'Asta'.
 290053. I-6-61. 'Bordeweiss'.
 290054. I-6-62. 'Zonne II'.

290021 to 290531—Continued

290055. I-6-63. 'PSG Guldenkorn'.
290056. I-6-64. 'Breustedts Regenfreund'.
290057. I-6-66. 'Majok'.
290058. I-6-67. 'Civens'.
290059. I-6-68. 'Marne'.
290060. I-6-74. 'Harkovszkij 596'.
290061. I-6-75. 'Verhnjacsszkij 53'.
290062. I-6-77. 'Krimszkij 90'.
290063. I-6-186. 'Eszterhazi 103'.
290064. I-6-187. 'Eszterhazi 292'.
290065. I-6-190. 'Hatvani I'.
290066. I-6-192. 'Hatvani XI'.
290067. I-6-194. 'Hatvani 117'.
290068. I-6-195. 'Hatvani 181'.
290069. I-6-198. 'Ameko'.
290070. I-6-211. 'Popjeda'.
290071. I-6-225. 'Ajax'.
290072. I-6-262. 'Roxton'.
290073. I-6-283. 'Bellyei 179'.
290074. I-6-293. 'Lovaszpatonai Sarga'.
290075. I-6-316. 'Kleinwanzlebener Universal'.
290076. I-6-321. 'Legany 137'.
290077. I-6-335. 'Horvath 107'.
290078. I-6-336. 'Horvath 127'.
290079. I-6-356. 'Cs. Kopasz'.
290080. I-6-367. 'Babolnai 842'.
290081. I-6-368. 'Babolnai 2338'.
290082. I-6-371. 'Bellyei 89'.
290083. I-6-372. 'Bellyei 155'.
290084. I-6-373. 'Bellyei 158'.
290085. I-6-374. 'Bellyei 1507'.
290086. I-6-376. 'Bellyei 1601'.
290087. I-6-387. 'Eszterhazi 16'.
290088. I-6-398. 'Nalзовsky'.
290089. I-6-409. 'Legany 157'.
290090. I-6-462. 'Babolnai Feher'.
290091. I-6-463. 'Babolnai Sarga'.
290092. I-6-482. 'Crialla Saltena'.
290093. I-6-506. 'Pollhamer-fele'.
290094. I-6-521. V.I.R. 1714.
290095. I-6-533. 'Schottischer Fahnen'.
290096. I-6-567. 'Segehavre'.
290097. I-6-595. 'Valecovsky'.
290098. I-6-635. 'Sztepnjak'.

290021 to 290531—Continued

290099. I-6-665. 'Probsteier'.
 290100. I-6-682. 'Rodney'.
 290101. I-6-686. 'Sisu'.
 290102. I-6-723. 'Valor'.
 290103. I-6-759. 'Probtsdorfer Kirches Weiss'.
 290104. I-6-760. 'Probtsdorfer Kirches Gelb'.
 290105. I-6-761. 'Austria Weiss'.
 290106. I-6-762. 'Schlagler Weiss'.
 290107. I-6-987. 'Flammingweiss II'.
 290108. I-6-989. 'Hadmerslebener Auswuchsfester'.
 290109. I-6-990. 'Hadmerslebener St. 7308/50'.
 290110. I-6-991. 'Hadmerslebener St. 8594/51'.
 290111. I-6-993. 'Petkuser St. 3656/98'.
 290112 to 290159. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.
 290112. II-2-1. 'Iregi Szurkebarat'.
 290113. II-2-2. 'Iregi Korona'.
 290114. II-2-5. 'Pavlikeni 502'.
 290115. II-2-6. 'Pavlikeni 519'.
 290116. II-2-11. 'Hodoninska Zluta'.
 290117. II-2-12. 'Iregi Universal'.
 290118. II-2-17. 'Izj-hua'.
 290119. II-2-26. 'Amurszkaja 41'.
 290120. II-2-27. 'Amurszkaja 42'.
 290121. II-2-28. 'Amurszkaja 154'.
 290122. II-2-29. 'Avril'.
 290123. II-2-34. 'Braungelbe Austria'.
 290124. II-2-43. 'Charbinszaja 111'.
 290125. II-2-60. 'Gelbe Riesen'.
 290126. II-2-68. 'Hei-Ch'i'.
 290127. II-2-70. 'Herb Muller 861'.
 290128. II-2-76. 'Ito-san'.
 290129. II-2-82. 'Keszthelyi Aprozemu Sarga'.
 290130. II-2-84. 'Kubanszkaja 276'.
 290131. II-2-88. 'Locale 11'.
 290132. II-2-95. 'Mandurska 1'.
 290133. II-2-96. 'Mandurska 2'.
 290134. II-2-97. 'Man-Ts'ang-Chin'.
 290135. II-2-98. 'Mediachev'.
 290136. II-2-100. 'Noir 1'.
 290137. II-2-101. 'Noir 2'.
 290138. II-2-103. 'Norddeutsche'.
 290139. II-2-106. 'Ochrolwuca'.
 290140. II-2-111. 'Precoce'.
 290141. II-2-112. 'Primorszkaja 529'.

290021 to 290531—Continued

- 290142. II-2-115. 'Rabakecoli 10'.
- 290143. II-2-116. 'Reatz'.
- 290144. II-2-121. 'Rouest 68.1'.
- 290145. II-2-123. 'Rouest 250'.
- 290146. II-2-129. 'Tokio Noir'.
- 290147. II-2-131. 'Vilnensis Castanha'.
- 290148. II-2-132. 'Vilnensis Freta'.
- 290149. II-2-136. 'Zelena Echo 3'.
- 290150. II-2-147. 'Balvanska'.
- 290151. II-2-153. 'Browneas'.
- 290152. II-2-155. 'Conie I'.
- 290153. II-2-163. 'Soya Heimkraft II'.
- 290154. II-2-168. 'Harkovskaja 149'.
- 290155. II-2-181. 'Vinca'.
- 290156. II-2-184. 'Wielnska Brunatna'.
- 290157. II-2-186. 'SWHN'.
- 290158. II-2-234. 'Ke-Schuan'.
- 290159. II-2-249. 'Cabott'.

290160 to 290366. HORDEUM VULGARE L. Poaceae.

- 290160. I-4-104. 'Deficiens 2788'.
- 290161. I-4-1084. 'Att. S. 53'.
- 290162. I-4-1173. 'Trifuqe a 2 Rangs'.
- 290163. I-4-1200. 'Noire a 2 Rangs'.
- 290164. I-4-14. 'Mansholts Groninger'.
- 290165. I-4-45. 'Martonvasari F.B. 101'.
- 290166. I-4-46. 'Martonvasari F.B. 102'.
- 290167. I-4-47. 'Martonvasari F.B. 104'.
- 290168. I-4-48. 'Martonvasari F.B. 105'.
- 290169. I-4-52. 'Bankuti Korai'.
- 290170. I-4-53. 'Mesterhazi'.
- 290171. I-4-54. 'Fertodi 4'.
- 290172. I-4-55. 'Peresztegi'.
- 290173. I-4-56. 'Lovaszpatonai Universal'.
- 290174. I-4-57. 'Hatvani 1108'.
- 290175. I-4-58. 'Skrezevicki'.
- 290176. I-4-59. 'Kasimierski'.
- 290177. I-4-61. 'Isaria'.
- 290178. I-4-62. 'Hanna'.
- 290179. I-4-64. 'Kenia'.
- 290180. I-4-66. 'Heines Haisa'.
- 290181. I-4-68. 'Bauer 142'.
- 290182. I-4-69. 'Kompolte 22'.
- 290183. I-4-70. 'Heils Franken'.
- 290184. I-4-71. 'Svalofs Freja'.

290021 to 290531—Continued

290185. I-4-73. 'Loosdorfer'.
290186. I-4-74. 'Peragis'.
290187. I-4-77. 'Dunajszky Trh'.
290188. I-4-77. 'Slovensky Dunajsky Trh'.
290189. I-4-82. 'Odessziz 14'.
290190. I-4-83. 'Nutanszk 13709'.
290191. I-4-84. 'Ingav 1104'.
290192. I-4-86. 'Pulawski Browarny 267'.
290193. I-4-87. 'Feiner Original'.
290194. I-4-89. 'Lichtis Astra'.
290195. I-4-91. 'Triumph'.
290196. I-4-92. 'Saale'.
290197. I-4-93. 'Heines Freya'.
290198. I-4-94. 'Elsa'.
290199. I-4-95. 'Wisa'.
290200. I-4-96. 'Heines Piroł'.
290201. I-4-97. 'Heines Haisa II'.
290202. I-4-112. 'Dregeruv Imperial'.
290203. I-4-114. 'Japanische 456'.
290204. I-4-119. 'Glatte Imperial'.
290205. I-4-126. 'Perbetei Sima'.
290206. I-4-128. 'Prevost'.
290207. I-4-136. 'Maja'.
290208. I-4-140. 'Ackermanns Donaria'.
290209. I-4-144. 'Austrolische Fruhe'.
290210. I-4-165. 'Dioszegi 625'.
290211. I-4-166. 'Dioszegi 738'.
290212. I-4-167. 'Dioszegi 802'.
290213. I-4-171. 'Evropeum 353/133'.
290214. I-4-183. 'Hatvani 129'.
290215. I-4-184. 'Hatvani 308'.
290216. I-4-189. 'Herta'.
290217. I-4-193. 'Ymer'.
290218. I-4-195. 'Illmici 5'.
290219. I-4-196. 'Illmici 24'.
290220. I-4-206. 'Lovaszpatonai D. 160'.
290221. I-4-207. 'Veney 36'.
290222. I-4-209. M.
290223. I-4-216. 'Morgenrot'.
290224. I-4-230. 'Peresztegi 3'.
290225. I-4-231. 'Peresztegi 8'.
290226. I-4-238. Ratborsky Hanacky'.
290227. I-4-258. 'Valticky'.
290228. I-4-269. 'Weibulls Stallar'.

290021 to 290531—Continued

290229. I-4-273. 'Zeiners Immune'.
290230. I-4-283. 'Goldfoil'.
290231. I-4-473. 'Kompolti Hanna'.
290232. I-4-477. 'Fertodi P'.
290233. I-4-484. 'Hatvani 41/21'.
290234. I-4-486. 'Hatvani 45/25'.
290235. I-4-490. 'Kasticky'.
290236. I-4-495. 'Mesterhazi 71'.
290237. I-4-496. 'Mesterhazi 93'.
290238. I-4-509. 'Quedlingburger'.
290239. I-4-510. 'Radosinsky'.
290240. I-4-511. 'Ratborsky'.
290241. I-4-516. 'Slovensky Jemny'.
290242. I-4-517. 'Slovensky Kvalitni'.
290243. I-4-556. 'Beta Ketsoros'.
290244. I-4-566. 'Babolnai III'.
290245. I-4-588. 'Pioneer'.
290246. I-4-589. 'Maythorpe'.
290247. I-4-591. 'Proctor'.
290248. I-4-592. 'Spratt-Archer'.
290249. I-4-593. 'Plumage-Archer'.
290250. I-4-694. 'Carleton'.
290251. I-4-697. 'Firlbecks III'.
290252. I-4-729. 'Hanses 449'.
290253. I-4-742. 'Schwarze Pfauen'.
290254. I-4-795. 'St. 2192-44 Glgr'.
290255. I-4-863. 'Gopal'.
290256. I-4-988. 'Stupicky Starocesky'.
290257. I-4-989. 'Detenicky Kargyn'.
290258. I-4-990. 'Chlumecky'.
290259. I-4-991. 'Dobrovicky Kargyn'.
290260. I-4-1231. 'Peresztgei 30'.
290261. I-4-1244. 'M. 023385'.
290262. I-4-1262. 'Malthworthy'.
290263. I-4-1430. 'Piroline'.
290264. I-4-1433. 'Epedra'.
290265. I-4-1439. 'Zdanzky'.
290266. I-4-1520. 'Iljenszki 5/1.5'.
290267. I-4-1521. 'Sztepovoj Medicum 2/5'.
290268. I-4-1571. 'Irma'.
290269. I-4-1615. 'Isaria Nova'.
290270. I-4-1617. 'Union'.
290271. I-4-1618. 'Violetta II'.
290272. I-4-1669. 'Paula'.

290021 to 290531—Continued

290273. I-4-1674. 'Branisovsky C'.
290274. I-4-1675. 'Ekonom'.
290275. I-4-1676. 'Vynosny'.
290276. I-4-1. 'Ledeci Beta'.
290277. I-4-3. 'Szaekacs 31'.
290278. I-4-4. 'Mezohegyesi 68'.
290279. I-4-5. 'Godolloi 20'.
290280. I-4-6. 'Godolloi 52'.
290281. I-4-7. 'Godolloi 98'.
290282. I-4-16. 'Pallidum 2929'.
290283. I-4-18. 'Jutta'.
290284. I-4-19. 'Askania'.
290285. I-4-20. 'Rekord'.
290286. I-4-21. 'Mahndorfer'.
290287. I-4-22. 'Mansholts Trias'.
290288. I-4-23. No. 1241.
290289. I-4-25. 'Peragis St. 12'.
290290. I-4-26. 'Cenad 396'.
290291. I-4-81. 'Kruglik 21'.
290292. I-4-90. 'Cenad 345'.
290293. I-4-263. 'Bolivia'.
290294. I-4-280. 'Ragusa 415'.
290295. I-4-288. 'Moschimugi II'.
290296. I-4-294. 'Asplundskorn'.
290297. I-4-295. 'Komono'.
290298. I-4-299. 'Weihenstephaner Schwarze Nackte'.
290299. I-4-311. 'Beta 13'.
290300. I-4-326. 'Hibernae Z.P'.
290301. I-4-331. 'Mezohegyesi 20'.
290302. I-4-333. 'Montcalm'.
290303. I-4-342. No. 85.
290304. I-4-343. No. 90.
290305. I-4-344. No. 105.
290306. I-4-357. 'Szekacs Tak'.
290307. I-4-362. 'Trobi'.
290308. I-4-375. 'Albert'.
290309. I-4-384. 'Californische 6-Zlg'.
290310. I-4-386. 'Olli'.
290311. I-4-400. 'Marumi'.
290312. I-4-416. 'Cierni Jacmen'.
290313. I-4-418. 'Chinko Nackt'.
290314. I-4-419. 'Japanische Santoy'.
290315. I-4-420. 'Chiro Mugi'.
290316. I-4-421. 'Kama Kuro'.

290021 to 290531—Continued

290317. I-4-425. 'Kleine Schwarze I'.
290318. I-4-426. 'Moschimugi I'.
290319. I-4-429. 'Herfordia'.
290320. I-4-431. 'Hatif du Moulin'.
290321. I-4-432. 'Extensiv II'.
290322. I-4-433. 'Hatvani 445'.
290323. I-4-435. 'Intensiv II'.
290324. I-4-436. 'Kalkreuther'.
290325. I-4-437. 'Karcagi'.
290326. I-4-438. 'Karcagi 39'.
290327. I-4-439. 'Kleinwanzlebener 12'.
290328. I-4-440. 'Krasznodarszkij 2929'.
290329. I-4-442. 'Dr. Mansbergs'.
290330. I-4-443. 'Mansholts'.
290331. I-4-444. 'Peragis Mittelfruhe'.
290332. I-4-445. 'Mozdokszkij Mesztnyi'.
290333. I-4-449. 'Slaski I'.
290334. I-4-457. 'Vindicat'.
290335. I-4-478. 'Friedrichswerther Berg'.
290336. I-4-483. 'Hatvani 21/1'.
290337. I-4-485. 'Hatvani 41/26'.
290338. I-4-546. 'Krimszkij 0247'.
290339. I-4-557. 'Beta 6 Korai'.
290340. I-4-558. 'Bankuti 9'.
290341. I-4-561. 'Csanadi 450'.
290342. I-4-605. 'Manfredi M.A.G.'.
290343. I-4-610. 'Duplex'.
290344. I-4-633. 'Schwarze Gemeine Dreizack'.
290345. I-4-641. 'Baytory'.
290346. I-4-645. 'Abessinische 6-Zlg'.
290347. I-4-649. 'Junior'.
290348. I-4-652. 'Razza'.
290349. I-4-674. 'White Hulless'.
290350. I-4-794. 'Washington 957'.
290351. I-4-817. 'Urania'.
290352. I-4-822. 'Engelens III'.
290353. I-4-933. 'Kirgizkij 247'.
290354. I-4-1003. 'Awnless 5631'.
290355. I-4-1012. 'Engelens II'.
290356. I-4-1043. 'Hiza Hachi'.
290357. I-4-1105. 'Nabewi'.
290358. I-4-1149. 'Multan Gabron'.
290359. I-4-1304. 'Sekitorikii'.
290360. I-4-1317. 'Weider'.

290021 to 290531—Continued

290361. I-4-1338. 'Sechszeilige Pumper'.
 290362. I-4-1348. 'Karcagi 1039'.
 290363. I-4-1522. 'Schonfinower 4-Zlg'.
 290364. I-4-1551. 'Frimas'.
 290365. I-4-686.
 290366. I-4-952. 'Mesztnij Kitajszkij'.
 290367 to 290374. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.
 290367. IV-51-22. F. 566. 290371. IV-51-31. M. 9538.
 290368. IV-51-28. G.V. 290372. IV-51-32. M. 9413.
 290369. IV-51-29. G. 290373. IV-51-33. M. 9415.
 290370. IV-51-30. M. 9540. 290374. IV-51-34. M. 9539.
 290375 and 290376. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
 290375. III-4-3. 'Vilmorin'.
 290376. III-4-7. 'Gulzower'.
 290377. *MEDICAGO MUREX* Willd. Fabaceae.
 No. 110. III-166-1.
 290378. *MEDICAGO RIGIDULA* (L.) Desr.
 No. 110. III-172-2. Annual.
 290379. *MEDICAGO SCUTELLATA* (L.) Mill. Snail medic.
 No. 110. III-174-2. M. 3028. Annual.
 290380 to 290384. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.
 290380. III-7-7. 'Erector F. 1976'. 290383. III-7-23. B. 53-34.
 290381. III-7-10. 'Arctic'. 290384. III-7-27. 'Melana'.
 290382. III-7-20. 'Sofia 3'.
 290385 and 290386. *MELILOTUS ALBA* var. *ANNUA* Coe Hubam-clover.
 290385. III-7-9. B. 10.
 290386. III-7-14. A. 1308.
 290387. *MELILOTUS ALTISSIMUS* Thuill.
 No. 110. III-58-1.
 290388. *MELILOTUS ARVENSIS* Wallr.
 No. 110. III-136-1.
 290389. *MELILOTUS INFESTA* Guss.
 No. 110. III-138-1.
 290390. *MELILOTUS LEUCANTHUS* Koch
 No. 110. III-142-2. A-3977.
 290391. *MELILOTUS NEAPOLITANA* Ten.
 No. 110. III-59-3.
 290392. *MELILOTUS WOLGICA* Poir.
 No. 110. III-146-1. A. 1295.
 290393. *ONOBRYCHIS ARGENTEA* Boiss. Fabaceae.
 No. 110. III-127-2.
 290394 to 290401. *ONOBRYCHIS TRANSCAUCASICA* Grossh.
 290394. III-52-3. 'Severokavkazsky'.
 290395. III-52-4. 'Sisiansky Mestny'.

290021 to 290531—Continued

290396. III-52-5. 'Naknichevansky Mestny'.
 290397. III-52-6. 'Armyansky Mestny'.
 290398. III-52-7. 'Leninakansky Mestny'.
 290399. III-52-8. 'Akhtinsky Mestny'.
 290400. III-52-9. 'Karaklissky Mestny'.
 290401. III-52-10. 'Akhalkalaksy Mestny'.
 290402 to 290411. *ONOBRYCHIS VICIFOLIA* Scop. Sainfoin.
 290402. III-9-1. 'Kompolti'.
 290403. III-9-15. 'Szevero Kaukaszkiy'.
 290404. III-9-17. No. 2855.
 290405. III-9-18. No. 2795.
 290406. III-9-19. 'Perska'.
 290407. III-9-20. 'Skrzeszowicka'.
 290408. III-9-41. 'No. 50 Sofia'.
 290409. III-9-43. 'Brunner'.
 290410. III-9-44. 'Ljulinyeckij Mesztnaja'.
 290411. III-9-45. 'Urainszkij Mesztnaga'.
 290412 to 290417. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
 290412. VI-5-2. 'Mezohegyesi Simatoku'.
 290413. VI-5-8. 'Iregi Korai Tuskenelkuli'.
 290414. VI-5-20. 'Szekacs-fele Kozepkorai Piros Tuskenelkuli'.
 290415. VI-5-74. 'Mauthnerov Bezosinaty'.
 290416. VI-5-75. 'Bucany 4'.
 290417. VI-5-78. 'Pulawska'.
 290418 to 290455. *SECALE CEREALE* L. Poaceae. Rye.
 290418. I-3-1. 'Fleischmann'.
 290419. I-3-2. 'Lovaszpatonai'.
 290420. I-3-3. 'Ovari'.
 290421. I-3-4. 'Kisvardai'.
 290422. I-3-5. 'Kecskemeti'.
 290423. I-3-17. 'Radosinske Record'.
 290424. I-3-20. 'Champagner'.
 290425. I-3-24. 'Dominant'.
 290426. I-3-25. 'Ratborske'.
 290427. I-3-30. 'Mecklenburger Marien'.
 290428. I-3-32. 'Zenit'.
 290429. I-3-41. 'Sangaste'.
 290430. I-3-43. 'Tarascsanszkaja 4'.
 290431. I-3-49. 'Novozibkovszkaja 4'.
 290432. I-3-51. 'Priekulszkaja'.
 290433. I-3-54. 'Veszelopodljanszkaja'.
 290434. I-3-62. 'Petkuser Normal'.
 290435. I-3-79. 'Petkuser'.
 290436. I-3-84. 'Zeelandzkie'.

290021 to 290531—Continued

290437. I-3-89. 'Uniwersalne'.
 290438. I-3-90. 'Ludowe'.
 290439. I-3-92. 'Harkovszkaja 194'.
 290440. I-3-111. 'Toivo'.
 290441. I-3-112. 'Ensi'.
 290442. I-3-113. 'Pekka'.
 290443. I-3-143. 'Brucker Harrach'.
 290444. I-3-144. 'Chrysanth Hanser'.
 290445. I-3-145. 'Edelhofer'.
 290446. I-3-147. 'Loosdorfer Tetra'.
 290447. I-3-148. 'Lungauer Tauern'.
 290448. I-3-149. 'Karntner'.
 290449. I-3-150. 'Kefermarkter'.
 290450. I-3-158. 'Schlagler II'.
 290451. I-3-160. 'Tschermaks Veredelter Marchfelder'.
 290452. I-3-176. 'Bendeleberner'.
 290453. I-3-182. 'Vjatka 2'.
 290454. I-3-254. 'Stupicke S.II'.
 290455. I-3-292. 'Bernburger Tetra'.
 290456 to 290466. *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet.
 290456. I-9-7. M. 15.
 290457. I-9-16. 'Martonvasari Piros'.
 290458. I-9-23. M. 20.
 290459. I-9-24. M. 29.
 290460. I-9-25. 'Martonvasari Sarga'.
 290461. I-9-27. 'Slovensky'.
 290462. I-9-28. 'Dnyepetrovskij'.
 290463. I-9-39. 'Zsoltaja Noniksaja'.
 290464. I-9-40. 'Empire'.
 290465. I-9-72. 'Bulcharske Klasnate'.
 290466. I-9-73. 'Sibirske Klasnate'.
 290467 to 290469. *SOLANUM MELONGEA* L. Solanaceae. Eggplant.
 290467. VII-16-1. 'Lungi de Impant'.
 290468. VII-16-2. 'Bucurestene'.
 290469. VII-16-3. 'Cu-e-da-juan'.
 290470 to 290506. *TRITICUM DURUM* Desf. Poaceae. Durum wheat.
 290470. I-1-17. K. 30345.
 290471. I-1-319. No. 3026.
 290472. I-1-468. 'Pulawska Twarda'.
 290473. I-1-502. 'Akmamenka'.
 290474. I-1-504. No. 069.
 290475. I-1-504. 'Melanopus 69'.
 290476. I-1-505. 'Candicans 76/10'.
 290477. I-1-524. 'Kubanka'.

290021 to 290531—Continued

290478. I-1-533. 'Corado'.
 290479. I-1-535. 'Escuro'.
 290480. I-1-536. 'Preto de Favira'.
 290481. I-1-1585. Nr. 132.
 290482. I-1-1591. 'Veneny 39/2'.
 290483. I-1-1600. 'Pentad'.
 290484. I-1-1614. 'Azerbeidsan 15'.
 290485. I-1-1633. 'Orihuela'.
 290486. I-1-1641. 'Acme'.
 290487. I-1-1646. 'Daghestan 3425'.
 290488. I-1-1651. 'Mindum'.
 290489. I-1-1654. 'Narodnaja'.
 290490. I-1-1659. 'Stewart'.
 290491. I-1-1663. 'Velvet Don'.
 290492. I-1-1695. 'Veneny 36-2-18'.
 290493. I-1-1696. 'Veneny 36-608'.
 290494. I-1-1922. 'Behaarter Taganrog'.
 290495. I-1-2026. 'Arnaut de Studina'.
 290496. I-1-2039. 'Donvideki'.
 290497. I-1-2083. 'Selbera'.
 290498. I-1-2722. 'Melanopus 1932'.
 290499. I-1-2841. 'Carleton'.
 290500. I-1-2848. 'Javerdo'.
 290501. I-1-2899. 'Rudorf 3672'.
 290502. I-1-3772. 'Jupiter'.
 290503. I-1-3776. 'Mercure'.
 290504. I-1-3788. 'Chili 931'.
 290505. I-1-3867. 'Capelli'.
 290506. I-1-3905. 'Telec'.
 290507. TRITICUM MACHA Dekapr. and Menab.
 No. 110. I-1-2710.
 290508 to 290511. TRITICUM MONOCOCCUM L.
 290508. I-1-1751. V.J. 388.
 290509. I-1-3504. 'Blauer Kahler'.
 290510. I-1-3514. 'Schwedisches Einkorn'.
 290511. I-1-3515. 'Spanisches Einkorn'.
 290512. TRITICUM POLONICUM L. Polish wheat.
 No. 110. I-1-3488. 'Gigantil'.
 290513 to 290517. TRITICUM SPELTA L. Spelt.
 290513. I-1-552. 'Fuggers Babenhauser'.
 290514. I-1-559. 'White Spelt'.
 290515. I-1-3528. 'Rottweiler Fruhkorn'.
 290516. I-1-3540. 'Lohnauer'.
 290517. I-1-3541. 'Schwarzer Bart'.

290021 to 290531—Continued290518. *TRITICUM TIMOPHEEVII* (Zhuk.) Zhuk.

No. 110. I-1-4. G. 230.

290519 to 290528. *TRITICUM TURGIDUM* L.

Poulard wheat.

250519. I-1-539. 'Argelino'.

250520. I-1-543. 'Skotska'.

250521. I-1-548. 'Pombinho'.

290522. I-1-1725. 'Berkners Rauh'.

290523. I-1-1727. 'Dezassette'.

290524. I-1-1908. 'Rampton Rivet'.

290525. I-1-3440. 'Ihreter'.

290526. I-1-3445. 'Rivets Grannen'.

290527. I-1-3446. 'Braunner Wunder'.

290528. I-1-3471. 'Vermelho de Barba Preta'.

290529. *TRITICUM* sp.

No. 110. I-1-2687. 'Khorramabad'.

290530. *TRITICUM* sp.

No. 110. I-1-2718. 'Sami-Tuya-Tish'.

290531. *TRITICUM* sp.

No. 110. I-1-3478. 'Orientalischer'.

290532 to 290653. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 13, 1963.

290532 to 290594. From Hyderabad unless otherwise noted.

290532. Sl 1. No. 644. Erect.

290533. Sl 2. No. 645. Erect.

290534. Sl 3. 'Punjab Erect'. Erect.

290535. Sl 4. P. 501/90. Erect.

290536. Sl 5. No. 583. Erect.

290537. Sl 6. H.G. 1. Erect.

290538. Sl 7. No. 418. Semierect.

290539. Sl 8. No. 421. Semierect.

290540. Sl 9. No. 638. Semierect.

290541. Sl 10. No. 639. Semierect.

290542. Sl 11. No. 640. Semierect.

290543. Sl 12. No. 648. Semierect.

290544. Sl 13. 'Spanish Improved'. Semierect.

290545. Sl 14. 'Spanish-9'. Semierect.

290546. Sl 15. No. 598. Semierect.

290547. Sl 16. No. 632. Semierect.

290548. Sl 17. No. 633. Semierect.

290549. Sl 18. No. 634. Semierect.

290550. Sl 19. No. 635. Semierect.

290551. Sl 20. No. 360. Semierect.

290552. Sl 21. No. 361. Semierect.

290532 to 290653—Continued

290553. Sl 22. No. 378. Semierect.
290554. Sl 23. No. 422. Semierect.
290555. Sl 24. No. 423. Semierect.
290556. Sl 25. No. 431. Semierect.
290557. Sl 26. No. 452. Semierect.
290558. Sl 27. No. 453. Semierect.
290559. Sl 28. No. 455. Semierect.
290560. Sl 29. No. 457. Semierect.
290561. Sl 30. No. 346. Semierect.
290562. Sl 31. No. 439. Semierect.
290563. Sl 32. B. 227. Semierect.
290564. Sl 33. 'Exotic-7'. Semierect. Madras.
290565. Sl 34. Strain No. 5. Semierect. Madras.
290566. Sl 35. No. 410. Spreading.
290567. Sl 36. No. 411. Spreading.
290568. Sl 37. No. 412. Spreading.
290569. Sl 38. No. 415. Spreading.
290570. Sl 39. 'Samarala'. Spreading.
290571. Sl 40. No. 580. Spreading.
290572. Sl 41. No. 581. Spreading.
290573. Sl 42. No. 605. Spreading.
290574. Sl 43. No. 359. Spreading.
290575. Sl 44. No. 357. Spreading.
290576. Sl 45. No. 358. Spreading.
290577. Sl 46. No. 362. Spreading.
290578. Sl 47. No. 367. Spreading.
290579. Sl 48. No. 386. Spreading.
290580. Sl 49. No. 382. Spreading.
290581. Sl 50. No. 383. Spreading.
290582. Sl 51. No. 418. Spreading.
290583. Sl 52. No. 427. Spreading.
290584. Sl 53. No. 421. Spreading.
290585. Sl 54. No. 433. Spreading.
290586. Sl 55. No. 434. Spreading.
290587. Sl 56. T-11-11. Spreading. Kanpur.
290588. Sl 57. T-54. Spreading. Kanpur.
290589. Sl 58. T-25. Spreading. Kanpur.
290590. Sl 59. T-28. Spreading. Kanpur.
290591. Sl 60. 'Big Japan'. Spreading. Sabour (Bihar).
290592. Sl 61. No. 414. Spreading.
290593. Sl 62. No. 649. Spreading.
290594. Sl 63. No. 612. Spreading.
290595. Sl 64. T-99. Spreading. Kanpur.
290596. Sl 65. Var-24-11. Spreading. From France.

290532 to 290653—Continued

290597. Sl 66. 'Exotic-1'. Spreading. Madras.
 290598. Sl 67. P.-8. Spreading. Madras.
 290599. Sl 68. B.H. 5-3.2. Spreading. Madras.
 290600. Sl 69. R.S. 1 Spreading. Madras.
 290601. Sl 70. E.C. 1682. Semispreading. Madras.
290602 to 290622. From Argentina, unless otherwise noted.
 290602. Sl 71. 'Manfredi-83'. Semispreading.
 290603. Sl 72. 'Manfredi-86'. Semispreading.
 290604. Sl 73. TMV2. Semierect. Madras.
 290605. Sl 74. TMV3. Spreading. Madras.
 290606. Sl 75. Var. 28-206. Erect. From France.
 290607. Sl 76. Var. 28-206. No. 2. Erect. From France.
 290608. Sl 77. M. K3 F.4. Erect. From Nigeria.
 290609. Sl 78. L2-58. Erect. From Nigeria.
 290610. Sl 79. 'Godjah'. Semierect. From Indonesia.
 290611. Sl 80. 'Kidang-86'. Semierect. From Indonesia.
 290612. Sl 81. 'Manfredi-1'. Semierect.
 290613. Sl 82. 'Manfredi-68'. Semierect.
 290614. Sl 83. 'Manfredi-102'. Semierect.
 290615. Sl 84. 'Manfredi-112'. Semierect.
 290616. Sl 85. 'Manfredi-118'.
 290617. Sl 86. 'Manfredi Champaque'. Semierect.
 290618. Sl 87. 'White of Rio Segundo'. Semierect.
 290619. Sl 88. 'Manfredi-96'. Semierect.
 290620. Sl 89. 'Manfredi-107'.
 290621. Sl 90. 'Manfredi-108'. Semispreading.
 290622. Sl 91. 'Red Manfredi'. Semispreading.
290623. Sl 92. Var.-28-204. Semierect. From France.
290624. Sl 93. Var.-28-204-No. 1. Semierect. From France.
290625. Sl 94. Var.-24-11-No. 3. Spreading. From France.
290626 to 290638. From Mysore.
 290626. Sl 95. Sel. No. 230.
 290627. Sl 96. Sel. No. 206.
 290628. Sl 97. Sel. No. 252.
 290629. Sl 98. (A.Des.Col \times Sp. Peanut 5) 8-18.
 290630. Sl 99. (A.Des.Col \times Sp. Peanut 5) 8-8.
 290631. Sl 100. (A.Des.Col \times Sp. Peanut 5) 8-3.
 290632. Sl 101. (A.Des.Col \times Sp. Peanut 5) 8-20.
 290633. Sl 102. H.G.11 I.C. 9803.
 290634. Sl 103. H.G.7 I.C. 9799.
 290635. Sl 104. H.G.8 I.C. 9800.
 290636. Sl 105. H.G.1 I.C. 9798.
 290637. Sl 106. H.G.10 I.C. 9802.
 290638. Sl 107. A.H.9 I.C. 9801.

290532 to 290653—Continued**290639 to 290648.** From Madras.

290639. Sl 108. A.H. 6614 I.C. 9817.
 290640. Sl 109. A.H. 4218 I.C. 9816.
 290641. Sl 110. A.H. 4111 I.C. 9815.
 290642. Sl 111. TMV-1 I.C. 9809.
 290643. Sl 112. TMV-5 I.C. 9813.
 290644. Sl 113. A.H. 6888 I.C. 9820.
 290645. Sl 114. A.H. 6857 I.C. 9819.
 290646. Sl 115. A.H. 3490 I.C. 9814.
 290647. Sl 116. TMV-4 I.C. 9812.
 290648. Sl 117. A.H. 6719 I.C. 9818.

290649 to 290653. From Junagadh.

290649. Sl 118. A.H. 32 I.C. 9806.
 290650. Sl 119. 'Punjab-1 I.C. 9807'.
 290651. Sl 120. 'Gordal 221-31 I.C. 9804'.
 290652. Sl 121. A.H. 814-1 I.C. 9808.
 290653. Sl 122. S.B. 11 I.C. 9805.

290654 and 290655. SETARIA SPHACELATA (Schum.) Stapf & Hubbard ex M. B. Moss Poaceae.

From the Ivory Coast. Stolons presented by the Institut d'Enseignement et de Recherches Tropicales, Abidjan. Received Mar. 28, 1963. Numbered May 13, 1963.

290654. No. A-9(06).
 290655. No. A-11(05).

290656 to 290668.

From the Republic of South Africa. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received May 14, 1963.

290656 to 290663. CYNODON DACTYLON (L.) Pers. Poaceae.

Bermudagrass.

- 290656 to 290659. Near No. 18 green, Zwartkop Country Club, Pretoria. May 1963. Turf type seedling.
 290656. Col. No. 35-195.
 290657. Col. No. 35-197.
 290658. Col. No. 35-198.
 290659. Col. No. 35-201.
 290660. Col. No. 35-202. Nursery, Zwartkop Country Club, Pretoria. May 1963. Very green, while other *Cynodons* are quite brown from frost. Turf dense, tight, medium texture; root system excellent.
 290661. Col. No. 35-203. 'Hall's Selection'. Nursery, Zwartkop Country Club, Pretoria. May 1963. Turf type.
 290662. Col. No. 36-205. Defense Force golf course, Pretoria. May 1963.
 290663. Col. No. 36-206. Defense Force golf course, Pretoria. May 1963. Turf type.

290664. CYNODON HIRSUTUS Stent

Col. No. 36-207. Defense Force Recreation Club, Pretoria. May 1963.

290656 to 290668—Continued

290665. *CYNODON TRANSVAALENSIS* Burt-Davy

Col. No. 35-196. Near No. 18 green, Zwartkop Country Club, Pretoria. May 1963. Turf type seedling.

290666. *CYNODON* sp.

Col. No. 35-199. On approach to No. 18 green, Zwartkop Country Club, Pretoria. May 1963. Turf type, used locally on tees and approaches.

290667. *CYNODON DACTYLON* (L.) Pers.

Col. No. 35-200. Near No. 18 green, Zwartkop Country Club, Pretoria. May 1963. Turf type.

290668. *CYNODON* sp.

Col. No. 36-204. Defense Force golf course, Pretoria. May 1963. Turf type.

290669. *DRYOPTERIS BORRERI* Newman Polypodiaceae. **Fern.**

From Great Britain. Plants purchased from R. Kaye Ltd., Silverdale, Carnforth, Lancashire, England. Received May 14, 1963.

290670 to 290676. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received May 14, 1963.

290670. 'Valencia-R-28'.

290671. 'Virginia Improved R-4'.

290672. 'Virginia Improved R-5'.

290673. 'Virginia Improved R-8'.

290674. 'Virginia Improved R-12'.

290675. 'Virginia Improved R-15'.

290676. 'Dixie Giant'.

290677 to 290691. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

From Japan. Seeds presented by the Kanagawa Prefectural Agricultural Experiment Station, Hiratsuka City. Received May 14, 1963.

290677. 'Chiba No. 43'. Virginia type. Runner.

290678. 'Chiba No. 55'. Virginia type. Runner.

290679. 'Hakuyoto'. Spanish type.

290680. 'Houtaku'. Valencia type.

290681. 'Java 13'. Spanish type.

290682. 'Kairiyo Handachi'. Virginia type. Runner.

290683. 'Kanagawa Chiuriu'. Valencia type.

290684. 'Ono Shiyoriu'. Spanish type.

290685. 'Ouriutchikei'. Spanish type.

290686. 'Rikkei No. 8'. Virginia type. Bunch.

290687. 'Shiyouriu'. Spanish type.

290688. 'Southern Cross'. Spanish type.

290689. 'Tachirakkasei No. 1'. Virginia type. Bunch.

290690. 'Tachirakuda No. 1'. Virginia type. Bunch.

290691. 'Valencia'. Valencia type.

290692 to 290699. *ORYZA SATIVA* L. Poaceae. **Rice.**

From India. Seeds presented by the Central Rice Research Institute, Cuttack. Received May 14, 1963.

290692 to 290699—Continued

290692. Co-4.
 290693. Co-13.
 A susceptible standard.
 290694. Co-25.
 290695. Hybrid I.
 290696. Hybrid II.
 290697. 'Ninnidhan'.
 290698. PTB-10.
 290699. S67.

290700 and 290701. DAUCUS CAROTA L. Apiaceae. Carrot.

From Czechoslovakia. Seeds presented by the Botanika Gardeno de Veterinara Universitato, Brno. Received May 14, 1963.

290700. No. 313.
 290701. No. 315.

290702. DAUCUS MAXIMUS Desf. Apiaceae.

From Israel. Seeds presented by the Hebrew University, Jerusalem. Received May 14, 1963.

Plants in wild.

290703 to 290706.

From Great Britain. Plants propagated at the John Innes Institute, Bayfordbury, England, for the United States National Arboretum, Washington, D.C. Numbered May 16, 1963.

290703. VIBURNUM CORIACEUM Blume Caprifoliaceae.

Code 1604E. Collected as seeds, November 1957, from the Royal Botanic Garden, Edinburgh, Scotland.

290704. VIBURNUM FOETIDUM Wall.

Code 1153E. Collected as cuttings, May 1957, from N. G. Hadden, Underway, West Porlock, Somerset, England.

290705. VIBURNUM FRAGANS Bunge

Code 1153E. Collected as cuttings, May 1957, from N. G. Hadden, Underway, West Porlock, Somerset, England.

290706. VIBURNUM LANTANA L.

Wayfaring-tree.

Code 1607E. Collected as seeds, November 1957, from the John Innes Institute, Bayfordbury, Herts, England.

290707 to 290741.

From Great Britain. Seeds presented by the University of Reading, Reading, England. Received May 16, 1963.

290707. AGROSTIS CANINA L. Poaceae.

Velvet bentgrass.

No. 52.

290708. AGROSTIS TENUIS Sibth.

Colonial bentgrass.

No. 53.

290709. ANTHYLLIS VULNERARIA L. Fabaceae.

Kidneyvetch.

No. 171.

290710. FESTUCA CAPILLATA Lam. Poaceae.

Hair fescue.

No. 123.

290707 to 290741—Continued

290711. *FESTUCA GIGANTEA* (L.) Vill. Great fescue.
No. 116.
290712. *FESTUCA LONGIFOLIA* Thuill.
No. 118.
290713. *FESTUCA OVINA* var. *GLAUCA* (Lam.) Koch
No. 117.
290714. *HEDYSARUM CORONARIUM* L. Fabaceae. Sulla.
No. 176.
290715. *LATHYRUS SYLVESTRIS* L. Fabaceae. Flat peavine.
No. 177.
290716. *LENS CULINARIS* Medic. Fabaceae. Lentil.
No. 102.
290717. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
No. 103.
290718. *LOTUS PEDUNCULATUS* Cav. Big trefoil.
No. 104.
- 290719 and 290720. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae. Lupine.
290719. No. 106.
290720. No. 182.
290721. *LUPINUS LUTEUS* L. European yellow lupine.
No. 183.
290722. *LUPINUS VARIUS* Linn.
No. 184. 'Blue Fodder'.
290723. *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
No. 108.
290724. *ONOBRYCHIS VICHIFOLIA* Scop. Fabaceae. Sainfoin.
No. 191.
290725. *ORNITHOPUS SATIVUS* Brot. Fabaceae. Serradella.
No. 192.
290726. *PANICUM MILIACEUM* L. Poaceae. Proso.
No. 140.
290727. *POA NEMORALIS* L. Poaceae. Wood bluegrass.
No. 144.
290728. *SECALE MONTANUM* Guss. Poaceae. Mountain rye.
No. 149.
290729. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. Strawberry clover.
No. 194.
- 290730 to 290732. *TRIFOLIUM HYBRIDUM* L. Alsike clover.
290730. No. 120 (4×).
290731. No. 195 (2×).
290732. No. 196 (4×).
- 290733 and 290734. *TRIFOLIUM INCARNATUM* L. Crimson clover.
290733. No. 197. Late white.
290734. No. 198. 'Trifolium Crimson'.

290707 to 290741—Continued

290735 and 290736. TRIFOLIUM OCHROLEUCON Huds.

290735. No. 121.

290736. No. 199.

290737 and 290738. TRIFOLIUM PRATENSE L.

Red clover.

290737. No. 122 (2×).

290738. No. 202 (4×).

290739. VICIA NARBONENSIS L. Fabaceae.

No. 209.

290740 and 290741. VICIA SATIVA L.

Common vetch.

290740. No. 210. Gore vetch.

290741. No. 211. Spring vetch.

290742. CORDYLA sp. Caesalpiaceae.

From the Somali Republic. Seeds presented by the United States Embassy, Mogadiscio. Received June 19, 1963.

290743 to 290752.

From Kenya. Seeds presented by the Plant Breeding Station, Njoro. Received June 21, 1963.

290743. HORDEUM VULGARE L. Poaceae.

'Kenya Research', ex NBVT161.

290744 to 290752. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

290744. 'Catcher', ex NWVT/II/62.

290745. 'Fronthatch', ex NWVT/I/62.

290746. 'Gabrino', ex NWVT/I/62.

290747. 'Kenya Page', ex NWVT/I/62.

290748. 'Lenana', ex NWVT/II/62.

290749. 'Menco', ex NWVT/II/62.

290750. 'Salmayo', ex NWVT/II/62.

290751. 'Tama', ex NWVT/II/62.

290752. 'Yaqui 53', ex NWVT/II/62.

290753. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae.

From the Philippines. Seeds presented by the Bureau of Plant Industry, Manila. Received July 12, 1963.

290754. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.

From Sweden. Seeds presented by W. Weibull, Landskrona. Received June 21, 1963.

'Statsplomb A' or Weibull's Original 'Viris'.

290755 to 290759.

From the United States. Seeds held by the Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered July 11, 1963.

290755 to 290757. TRIFOLIUM RESUPINATUM L. Fabaceae. Persian clover.

290755. Selection of early-maturing plants from P.I. 140287, from Kabul, Afghanistan.

290756. Selection of late-maturing plants from P.I. 141498, from Tehran, Iran.

290757. Selection of late-maturing plants from P.I. 173974, from Dehra Dun, India.

290755 to 290759—Continued

290758 and 290759. *TRIFOLIUM VESICULOSUM* Savi **Arrowleaf clover.**

290758. Selection of late-maturing plants from P.I. 233783, from Pisa, Italy (FAO 2999).

290759. Selection of midseason-maturing plants from P.I. 233816, from Pisa, Italy.

290760. *GOSSYPIUM* sp. **Malvaceae.**

From the Mariana Islands. Seeds presented by the High Commissioner, Trust Territory of the Pacific Islands, Saipan. Received July 2, 1963.

'Wata'. From Yap, Western Carolines. Introduced to the Carolines during the Spanish (1686-1885) and German (1885-1914) administrations. Soil is of volcanic origin. Plants to 8 feet high; flowers yellow. Annual rainfall to 120 inches.

290761. *ELYONURUS HIRSUTUS* (Vahl) Munro ex Benth. **Poaceae.**

From Pakistan. Seeds presented by the United States Agency for International Development, Lahore. Received July 2, 1963.

Summer perennial thriving in sandy areas, producing two seed crops annually under favorable moisture conditions. Roots aggressive; probably not frost hardy. Palatability good.

290762. *DAUCUS CAROTA* L. **Apiaceae.** **Carrot.**

From the Netherlands. Seeds presented by N. V. Sluis en Groot's, Enkhuizen. Received July 3, 1963.

'Berlicum'. 'Nontes' type; resistant to *Alternaria*.

290763 to 290777.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 5, 1963.

290763. *COPROSMA HIRTELLA* Labill. **Rubiaceae.**

No. C-1039.

290764. *CORCHORUS WALCOTTII* F. Muell. **Tiliaceae.**

No. W-822.

290765. *EUPHRASIA GLACIALIS* Wettst. **Scrophulariaceae.**

No. N-584.

290766. *GEISSOIS PRUINOSA* Brongn. & Gris. **Cunoniaceae.**

McK. No. 7959.

290767. *LINUM MARGINALE* A. Cunn. **Linaceae.**

No. W-749.

290768. *MALLOTUS PHILIPENSIS* (Lam.) Muell. **Euphorbiaceae.**

Kamala-tree.

No. N-544.

290769. *NITRARIA SCHOBERI* L. **Zygophyllaceae.**

No. N-674.

290770. *PIMELEA PAUCIFLORA* R. Br. **Thymelacaceae.**

No. C-1055.

290771. *POLYMERIA DISTIGMA* Benth. **Convolvulaceae.**

No. W-779.

290772. *SESBANIA SERICEA* (Willd.) DC. **Fabaceae.**

W-654.

290763 to 290777—Continued

290773. *SEBANIA SIMPLICIUSCULA* F. Muell. ex Benth.
W-651.

290774. *SOPHORA TOMENTOSA* L. Fabaceae.
No. Q-336.

290775. *VERONICA NIVEA* Lindl. Scrophulariaceae.
No. N-580.

290776. *VERONICA PERFOLIATA* R. Br.
No. C-511.

290777. *WAHLENBERGIA BIVALVIS* Marr. Campanulaceae.
No. N-567.

290778. *ABUTILON* sp. Malvaceae.

From Argentina. Seeds presented by La Merced Society Anonymous, El Piquete, San Pedro de Jujuy. Received July 16, 1963.

290779. *ULMUS LAEVIS* Pallas Ulmaceae.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received July 5, 1963.

290780 and 290781. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received July 2, 1963.

290780. 'Virginia Improved R 6'.

290781. 'Virginia Improved R 8'.

290782. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

From Paraguay. Seeds presented by the Empresas Agro-Industriales Exporaciones, Asuncion. Received July 3, 1963.

290783 and 290784. *PYRUS COMMUNIS* L. Malaceae.

From France. Budsticks presented by the Station de Recherches Arboriculture Fruitiere, Institut National de la Recherche Agronomique, Angers. Received Aug. 22, 1962. Numbered July 3, 1963.

290783. P.24. 'Epine de Mai'.

290784. P-86. 'Madame Ballet'.

290785 to 290792.

From New Zealand. Plants purchased from Duncan & Davies Limited, Westown, New Plymouth. Received July 3, 1963.

290785. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

290786. *MAGNOLIA DELAVAYI* Franch.

290787. *MAGNOLIA KOBUS* var. *BOREALIS* Sargent

290788. *MAGNOLIA OBOVATA* Thunb.

290789. *MAGNOLIA SIEBOLDII* K. Koch **Oyama magnolia.**

290790. *MAGNOLIA SINENSIS* (Rehd. & Wils.) Stapf

290791. *MAGNOLIA* × *VEITCHII* Bean

290792. *MAGNOLIA* × *WATSONII* Hook. f.

290793 to 290795. *PANICUM MAXIMUM* Jacq. Poaceae.

Guineagrass.

From the Ivory Coast. Stolons presented by the Institut d'Enseignement et de Recherches Tropicales, Abidjan. Received March 28, 1963.

290793 to 290795—Continued

Numbered July 11, 1963.

290793. No. 165.

290794. No. 174.

290795. No. 267.

290796 to 290811.

From Great Britain. Plants presented by A. H. Nisbet, Brookers Farm, Gosport, England. Received Feb. 15, 1963. Numbered May 20, 1963.

290796 to 290798. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl.
Pinaceae. Lawson falsecypress.

290796. From plant raised by J. Clark, "Nyewoods", Chilworth, Southampton. Plant is beautiful but not in the trade.

290797. 'Dows' variety. Original seedling grown by Dow Nursery, Oakdean, Calif. Nisbet's propagation, 13 years old, is 12 inches high and 18 inches across.

290798. 'Minima'. A seedling, growing in present site nearly 30 years, now is 30 inches high and 5 feet across. All previous propagation attempts have failed.

290799 and 290800. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl.
Hinoki falsecypress.

290799. 'Laxa'. Plant low, wide spreading, open. Scarce.

290800. 'Rigida'. Upright form.

290801. *CHAMAECYPARIS* sp.

Plant low growing, globular, wide spreading; branches fernlike, pendulous.

290802. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Common cryptomeria.
'Knaptonensis'. From the Rev. Pro. Lyttle's plant, "Nyewoods", Southampton.

290803 and 290804. *CUPRESSUS MACROCARPA* Hartw. Pinaceae. Cypress.

290803. 'Contorta'. A low, wide-spreading, form mostly juvenile foliage, very congested, very dark.

290804. 'Pygmaea' (Woking form). This is not forma *pygmaea* A. B. Jackson; it is a better form raised as a seedling by Jackmans, Woking. Propagated with difficulty.

290805. *JUNIPERUS SCOPULORUM* f. *VIRIDIFOLIA* (D. Hill) Rehder Pinaceae.
'Nana'. A tiny, slow-growing, bushy plant. Difficult to grow.

290806. *JUNIPERUS* sp.

Plant a dense mat, prostrate, to 3 inches high and 5 feet across, 30 years old.

290807. *LIBOCEDRUS* sp. Pinaceae.

Parent plant 18 inches high, 10 inches wide, 14 years old.

290808 to 290810. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.

290808. Congested and tiny mutation on very old plant of f. *pygmaea*. The mutation, after several years is only 3 inches across.

290809. 'Phylicoides'.

290810. 'Reflexa'.

290811. *THUJA ORIENTALIS* L. Pinaceae. Oriental arborvitae.

A strange little plant with twisted and contorted branchlets.

290812 to 290814.

From the Republic of South Africa. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received May 21, 1963.

290812 and 290813. *CYNODON TRANSVAALENSIS* Burt-Davy Poaceae.

290812. Col. No. 41-222. Near Tafelberg, northwest of the dam, toward Middelburg. May 1963. Elevation 4,100 feet.

290813. Col. No. 42-226. Clay soil, flat terrain, east edge of Edenburg, Reddersburg. May 1963. Elevation 4,800 feet.

290814. *CYNODON* sp.

Col. No. 39-210. Sandy loam soil, 1 mile southwest of Wesselsbron, road to Tierfontein. May 1963. Elevation 4,800 feet. Plant a low, dense mat.

290815 and 290816.

From Canada. Plants presented by the Sheridan Nurseries Limited, Oakville, Ontario. Received May 22, 1963.

290815. *ABIES KOREANA* Wilson Pinaceae.

290816. *THUJA OCCIDENTALIS* L. Pinaceae.

290817 to 290825. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

From the United States. Trees growing at the United States Plant Introduction Station, Chico, Calif. Numbered May 23, 1963.

290817. No. C25881. 'Blenheim'. From the Lindo Nursery, Chico. Received August 20, 1935.

290818. No. C25882. 'Tilton'. From the Lindo Nursery, Chico. Received August 20, 1935.

290819. No. C26655. 'Royal'. From the University of California, Davis. Received July 30, 1937.

290820. No. C26656. 'Newcastle Early'. From the University of California, Davis. Received July 30, 1937.

290821. No. C26671. 'Smyrna'. From the University of California, Davis. Received July 30, 1937.

290822. No. C26679. 'Bergetti'. From W. F. Wright, Palo Alto, Calif. Received Aug. 14, 1937.

290823. No. C26703. 'Riland'. From the Columbia and Okanogan Nursery Co., Wenatchee, Wash. Received Dec. 6, 1937.

290824. No. C27130. 'Perfection'. From the Oregon Nursery Co., Portland, Ore. Received Jan. 22, 1941.

290825. No. C27147. 'Phelps'. From W. D. Plough, Wenatchee, Wash. Received May 20, 1941.

290826 to 290849. *ZEA MAYS* L. Poaceae.

Corn.

From Colombia. Seeds presented by the Rockefeller Foundation, Medellin. Received May 27, 1963.

290826 to 290834. From Bolivia.

290826. BOV. 305-#.

290831. BOV. 478-7#.

290827. BOV. 310-7#.

290832. BOV. 670-6#.

290828. BOV. 311-#.

290833. BOV. 865-#.

290829. BOV. 360-7#.

290834. BOV. 1112-#-#.

290830. BOV. 466-7#.

290835 to 290841. From Ecuador.

290835. ECU. 387-7#.

290836. ECU. 424-8#.

290826 to 290849—Continued

290837. ECU 434-7#.

290840. ECU. 697-7#.

290838. ECU. 578-7#.

290841. ECU. 726-7#.

290839. ECU. 598-7#.

290842 to 290845. From Peru.

290842. PER. 392-8#.

290844. PER. 808-7#.

290843. PER. 760-7#.

290845. PER. 1045-7#.

290846 to 290848. From Chile.

290846. CHI. 332.

290847. CHI. 335.

290848. CHI. 339.

290849. 'Medellin'. Sweet corn improved variety. From Colombia.

290850. LOBELIA GIBBEROA Hemsl. Campanulaceae.

From Ethiopia. Seeds presented by K. W. Saunders, Gimbie. Received May 27, 1963.

Collected on slopes below Seventh Day Adventist Mission, Wollenga Province, latitude 9°11' N., longitude 35°50' E. Elevation 2,000 meters. Plants probably monocarpic, treelike, to 6 meters high; flowers blue on inflorescence to 3 meters long.

290851. CHRYSANTHEMUM (hybrid). Asteraceae.

From Japan. Seeds presented by the United States Embassy, Tokyo. Received May 27, 1963.

Cultivated in Japan for the past 10 years.

290852 and 290853.

From France. Seeds presented by Vilmorin-Andrieux, Paris. Received May 27, 1963.

290852. MIMOSA PUDICA L. Mimosaceae.

Sensitive plant

Plant petioles sensitive to touch; flowers rose purple.

290853. MIMOSA SPEGAZZINII Pirota

Plant petioles sensitive to touch; flowers pale violet.

290854. SKYTANTHUS ACUTUS Meyen Apocynaceae.

From Chile. Cuttings presented by the Universidad Tecnica Federico Santa Maria, Valparaiso. Received May 27, 1963.

**290855. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.
Watermelon.**

From the United States. Seeds presented by the Will Seed Company, Bismark, N. Dak., and now at the Regional Plant Introduction Station, Ames, Iowa. Numbered May 27, 1963.

'Will's Sweet'. Fruit dark green, with darker green stripe, nearly round, weighs about 8 pounds, early, very sweet; rind moderately tough, medium thick; seeds small, abundant, black.

**290856 to 290859. LYCOPERSICON ESCULENTUM Mill. Solanaceae.
Tomato.**

From the United States. Seeds presented by the Tomato Laboratory, Jacksonsville, Tex., and held in storage at the United States Regional Plant Introduction Station, Ames, Iowa. Numbered May 27, 1963.

290856. S 1447 D (STEP 347). Plants prolific; set fruit in hot weather; fruits sweet, summer, cherry type.

290856 to 298859—Continued

290857. G 2189. 'Purple Calabash'. Source of Cr1, cr2 genes for crimson color and high lycopene parentage in new 'High Crimson'; fruit purple.
290858. G 2157-8. Carries new purple smudge character (without simple Mendelian inheritance). Tops of green fruit become purple to black when exposed to sunshine. Low nitrogen fertilizer helps expression of character.
290859. 'Early Alberta' V 2280. Developed at University of Alberta. Plant low, determinate, prolific, sets fruit at 45° F. and in hot weather; fruit smooth, red, weight to 5 ounces.

290860 to 290865.

- From Great Britain and Ireland. Plants propagated at the John Innes Institute, Bayfordbury, England, for the United States National Arboretum. Received in 1957. Numbered May 27, 1963.
- 290860 and 290861. *VIBURNUM ATRYCYANEUM* C. B. Clarke Caprifoliaceae.
290860. Code No. 1599 E. Royal Botanic Garden, Edinburgh, Scotland.
290861. Code No. 1631 E. National Botanic Garden, Dublin, Ireland.
290862. *VIBURNUM CINNAMOMIFOLIUM* Rehder
Code No. 1372 E. Borde Hill, Haywards Heath, Sussex, England.
290863. *VIBURNUM JAPONICUM* (Thunb.) Spreng.
Code No. 1159 E. Caerhay's Castle, Garrow, Cornwall, England.
290864. *VIBURNUM* × *RHYTIDOPHYLLOIDES* Suringar
Code 1621 E. Royal Botanic Garden, Edinburgh, Scotland.
290865. *VIBURNUM WRIGHTII* Miq. Caprifoliaceae. Wright viburnum.
Code No. 1564 E. Royal Botanic Garden, Edinburgh, Scotland.

290866 to 290908.

- From the Republic of South Africa. Stolons, unless otherwise noted, collected by W. W. Huffine, Oklahoma State University, Stillwater.
- 290866 to 290890. Received May 28, 1963.
290866. *CYNODON BRADLEYI* Stent Poaceae.
Col. No. 45-248. 'Bradley-Rietondale Special'. Horticulture Research Institute, Pretoria. May 1963. Turf type.
- 290867 and 290868. *CYNODON DACTYLON* (L.) Pers. Bermudagrass.
290867. Col. No. 43-229. 'Common Kweek'. Frankenwald South African Turf Research Station. May 1963. Turf type.
290868. Col. No. 45-246. 'Royal Cape'. Horticulture Research Institute, Pretoria. May 1963. Turf type.
290869. *CYNODON DACTYLON* var. *DENSUS* Hurcombe
Col. No. 45-247. 'Hall's Selection'. Horticulture Research Institute, Pretoria. May 1963. Turf type.
290870. *CYNODON* × *MAGENNISHI* Hurcombe
Col. No. 45-249. Horticulture Research Institute, Pretoria. May 1963. Turf type.
290871. *CYNODON PLECTOSTACHYUS* (K. Schum.) Pilg. Stargrass.
Col. No. 43-231. Frankenwald South African Turf Research Station. May 1963.
- 290872 and 290873. *CYNODON TRANSVAALENSIS* Burt-Davy
290872. Col. No. 43-228. 'Germiston'. Plots at Frankenwald South African Turf Research Station. May 1963. Turf type.

290866 to 290908—Continued

290873. Col. No. 45-252. 'Farrel's'. Horticulture Research Institute, Pretoria. May 1963. Turf type.
290874. *CYNODON* sp.
Col. No. 43-230. 'Uganda'. Frankenwald South African Turf Research Station. May 20, 1963. Turf type.
- 290875 to 290885. Rietondale Research Station, Pretoria. May 1963.
290875. *CYNODON* sp.
Col. No. 44-233. Turf type.
290876. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-234. Turf type.
290877. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-235. Turf type.
290878. *CYNODON* sp.
Col. No. 44-236. Two spikes per inflorescence. Turf type.
290879. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-237. Turf type. Originally from Ventersdorp.
290880. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-238. Originally from Papfontein.
290881. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-239. Turf type. Originally from Vaalbank at Maqussai.
290882. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-240. 'Namakwaland Kweek'. Turf type. Originally from Soebatsfontein, southwest of Springbok.
290883. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-241. Turf type. Originally from Papkuilfontein.
290884. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-232. 'Kweek grass Rykdom Ziervogel'. Turf type.
290885. *CYNODON DACTYLON* (L.) Pers.
Col. No. 44-243. Turf type.
- 290886 to 290888. Horticulture Research Institute, Pretoria.
290886. *CYNODON DACTYLON* (L.) Pers.
Col. No. 45-245. 'Zwartkop blou'. Turf type.
290887. *CYNODON DACTYLON* (L.) Pers.
Col. No. 45-250. Outeniqua. Turf type.
290888. *STENOTAPHRUM SECUNDATUM* (Walt.) Kuntze Poaceae.
Col. No. 45-251. St. Augustine grass.
290889. (Undetermined.)
Col. No. 44-244. Rietondale Research Station, Pretoria. May 1963. Turf type.
290890. *CYNODON PLECTOSTACHYUS* (K. Schum.) Pilg. Poaceae.
Stargrass.
Col. No. 43-232. Frankenwald South African Turf Research Station. May 1963. Seeds.
- 290891 to 290908. Received May 29, 1963, from the Horticulture Research Institute, Pretoria.

290866 to 290908—Continued

290891. *CYNODON HIRSUTUS* Stent Poaceae.

Col. No. 45-270. Stony area.

290892 and 290893. *CYNODON TRANSVAALENSIS* Burt-Davy

290892. Col. No. 45-254. 'Elliot'. Turf type.

290893. Col. No. 45-255. 'Germiston'. Turf type.

290894. *CYNODON* sp.

Col. No. 45-253. 'Sekaapploss Fine'. Turf type.

290895 and 290896. *CYNODON DACTYLON* (L.) Pers.

290895. Col. No. 45-256. 'Reitz'. Turf type.

290896. Col. No. 45-257. 'Harrismith Pole Evens'. Turf type.

290897 and 290898. *CYNODON* sp.

290897. Col. No. 45-258. 'Harrismith'. Turf type.

290898. Col. No. 45-259. 'Windsor'. Turf type.

290899. *CYNODON DACTYLON* (L.) Pers.

Col. No. 45-26e. 'Gonubie'. Turf type.

290900. *CYNODON* sp.

Col. No. 45-261. 'Damascus'. Turf type.

290901 to 290903. *CYNODON DACTYLON* (L.) Pers.

290901. Col. No. 45-262. 'Selati'. Turf type.

290902. Col. No. 45-263. 'Rhodesian Sour'. Turf type.

290903. Col. No. 45-264. 'Orange River'. Turf type.

290904 to 290907. *CYNODON* sp.

290904. Col. No. 45-265. 'Joinershoek'. Turf type.

290905. Col. No. 45-266. 'Frankenwald Fine'. Turf type.

290906. Col. No. 45-267. Originally from Cape Town.

290907. Col. No. 45-268. Originally from Cape Town.

290908. *STENOTAPHRUM SECUNDATUM* (Walt.) Kuntze Poaceae.

St. Augustine grass.

Col. No. 45-269. Originally from Uvongo Beach, south coast of Natal.

290909 to 290913. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Australia. Seeds presented by the Division of Plant Industry, Canberra. Received May 29, 1963.

290909. 'Gamenya'.

290912. 'Mengavi'.

290910. 'Heron'.

290913. 'Pinnacle'.

290911. 'Insignia 49'.

290914 to 290961.

From Bolivia and Peru. Tubers collected by Donald Ugent, University of Wisconsin, Madison. Received May 29, 1963.

290914 and 290915. *SOLANUM ACUALE* Bitter Solanaceae.

290914. No. K. In fields near the mines, Santa Lucia, Lampo Mining Co., Peru. January 1963.

290915. No. N. In heavily grazed flood plain valley, 30 km. from Puno, Peru, road to Arequipa, 5 km. from Tiquillaca, "Pampa de Vilque". Elevation 3,750 meters. January 1963.

290914 to 290961—Continued**290916. SOLANUM ACAULE var. SUBEXINTERRUPTUM Bitter**

No. 5153-70. Along the banks of a stream, Potosi City limits, Bolivia. April 1963.

290917 and 290918. SOLANUM ANOMALOCALYX Hawkes

290917. No. 4579-80. A weed in cultivated potato fields adjacent to the University of San Simon, Cochabamba, Bolivia. April 1963.

290918. No. 4581-86. Cochabamba, Cervecería Colon, Bolivia. April 1963.

290919. SOLANUM BERTHAULTII f. ZUDANENSE (Card.) Corr.

No. 4885-90. Base of rocky bluff, 28 km. from Sucre, Cochabamba-Sucre road, Dept. of Chuquisaca, Bolivia. Elevation 1,950 meters. April 1963.

290920 and 290921. SOLANUM BOLIVIENSE Dunal

290920. No. 4956-82. A weed in an oatfield, 20 km. from Sucre, road to Tarabuco, Dept. of Chuquisaca, Bolivia. April 1963.

290921. No. 4896-4908. A weed in an oatfield, 'Pumilla,' about 20 kms. northwest of Sucre, Dept. of Chuquisaca, Bolivia. April 1963.

290922 to 290925. SOLANUM CANASENSE Hawkes

290922. No. 70-98. Quebrade de Jajaluli, Hacienda Casa Blanca, Junin, Peru. November 1962.

290923. No. 171-199. On rock slope, 35 km. from Tarma, Tarma-Jauja road, Peru. Elevation 4,100 meters. November 1962.

290924. No. 3982. On rocky slope, near Oropesa, "Racchchi," Dept. of Cuzco, Peru. February 1963.

290925. No. 3984. On rocky slope near Oropesa, "Racchchi," Dept. of Cuzco, Peru. February 1963.

290926. SOLANUM CANASENSE var. XEROPHYLLUM (Vargas) Corr.

No. 4194. On bare, sandy, dry, steep cliff, above Urubamba, Peru. Elevation 3,160 meters. March 1963.

290927. SOLANUM CAPSICIBACCATUM Card.

No. 4701-4737. About 200 meters below Puente San Miguel, Cochabamba-Tunari road, Dept. of Cochabamba, Bolivia. Plant to 30 cm. high; stems slender; flowers white, stellate. April 1963.

290928. SOLANUM DECURRENTILOBUM Card. & Hawkes.

No. 4793-4830. A weed in a cultivated potato field, "Janko Cala," above Puente San Miguel, Cochabamba-Tunari road, Dept. of Cochabamba, Bolivia. April 1963.

290929. SOLANUM LEPTOPHYES Bitter

No. 5184. Potosi, Bolivia. Tubers collected by Arturo Vidaurre. April 1963.

290930. SOLANUM LIGNICAULE Vargas

No. 3875-3909. On steep rocky bluff, near Pisac, on road to Calca, Peru. February 1963. Flowers white; to 6 tubers, chainlike, on one stolon.

290931 and 290932. SOLANUM LIRIUNIANUM Cardenas & Hawkes

290931. No. 4652-56. "Cruce de Lirione," above Escuela Bella Vista, Cochabamba-Tunari road, Dept. Cochabamba, Bolivia. April 1963.

290932. No. 4672-4700. About 200 meters below Puente San Miguel, Cochabamba-Tunari road, Dept. of Cochabamba, Bolivia. April 1963. Berries variable; round, pointed, and intermediate shapes seen.

290933 and 290934. SOLANUM OCHOAE Vargas

290914 to 290961—Continued

290933. No. 4277c. "Chacan," north of Cuzco, 1 km. above Tambomachay ruins, Dept. of Cuzco, Peru. In moist soil in rock crevices and along stream. March 1963.

290934. No. 4347. "Chacan," north of Cuzco, one km. above Tambomachay ruins, Dept. of Cuzco, Peru. In moist, mossy soil in rock crevices and along stream. March 1963.

290935. SOLANUM PACHYTRICHUM Hawkes

No. 4930-39. "Villa Marie," about 10 km. northeast of Sucre, Dept. of Chuquisaca, Bolivia. April 1963.

290936. SOLANUM PAMPASENSE f. **GLABRESCENS** Corr.

No. H. Rocky roadside ledge, Km. 42, Abancay-Lima road, Hacienda Casenchihua, Peru. Elevation 2,100 meters. December 1962.

290937 to 290954. SOLANUM RAPHANIFOLIUM Cardenas & Hawkes

290937. No. A. Rocky slope, 3 miles from Marangani, road to Puno, Peru. Elevation 3,650 meters. Plants flat, in a rosette. January 1963.

290938. No. B. Three miles from Marangani, road to Puno, Peru. Elevation 3,650 meters. Plants intermediate in habit, partially erect.

290939. No. C. In cornfield, 3 miles from Marangani, road to Puno, Peru. Elevation 3,650 meters. January 1963.

290940. No. D. Three miles from Marangani, road to Puno, Peru. Elevation 3,650 meters. Plants with wide, flat, simple leaves. January 1963.

290941. No. E. Base of bluff, near Urubamba, Quebrade de Pumahuanca, Peru. Elevation 2,920 meters. Plants very rough leaved. December 1962.

290942. No. F. Near Urubamba, Quebrade de Pumahuanca, Peru. Plants with smooth leaves. December 1962.

290943. No. G. Border of cultivated potato field above Pisac, road to Cuzco, Peru. Elevation 3,065 meters. December 1962.

290944. No. P. In cornfield, Sicuani, Peru. Elevation 3,460 meters, January 1963.

290945. No. R. In a small rocky quebrada, Km. 56, road between Urubamba and Calca, Peru. Elevation 2,700 meters. December 1962.

290946. No. 3512-15. In cornfield, Km. 5.5, Cuzco-Paruro road, Peru. February 1963.

290947. No. 3535-42. About Inca ruins boulders, above city of Cuzco, Fortaleza del Sacsayhuaman, Dept. of Cuzco, Peru. February 1963.

290948. No. 3572-90. Between boulders of an Inca wall, above city of Cuzco, Fortaleza del Sacsayhuaman, Dept. of Cuzco, Peru. February 1963.

290949. No. 3604-12. Between Inca ruins rocks, above city of Cuzco, Fortaleza del Sacsayhuaman, Dept. of Cuzco, Peru. February 1963.

290950. No. 3613-15. Near Inca ruins, above city of Cuzco, Fortaleza del Sacsayhuaman, Dept. of Cuzco, Peru. February 1963.

290951. No. 3617. Rockpile near Inca walls, above city of Cuzco, Fortaleza del Sacsayhuaman, Dept. of Cuzco, Peru. Tuber flesh purple. February 1963.

290952. No. 3618-21. Rockpile near Inca ruins, above city of Cuzco, Fortaleza del Sacsayhuaman, Dept. of Cuzco, Peru. February 1963.

290953. No. 3696-37. Under overhanging rock near Inca ruins, above city of Cuzco, Fortaleza del Sacsayhuaman, Dept. of Cuzco, Peru. February 1963.

290914 to 290961—Continued

290954. No. 3810. About 6 km. from Cuzco, road to Abancay, Dept. of Cuzco, Peru. Plants low, rosettelike. February 1963.

290955 to 290958. *SOLANUM SPARSIPILUM* (Bitter) Juz. & Buk.

290955. No. J. Near Urubamba, road to Calca, Peru. Elevation 2,680 meters. December 1962.

290956. No. 905. In cornfield, Km. 58, Urubamba-Calca road, Peru. Elevation 2,680 meters. December 1962.

290957. No. 4015. In a cornfield, Ansa Pampa, about 7 km. south of Sicuani, Peru. March 1963.

290958. No. Q. Sicuani, Peru. Elevation 3,460 meters. January 1963.

290959. *SOLANUM SUCRENSE* Hawkes

No. 4927. "Villa Maria," about 10 km. northeast of Sucre, Dept. of Chuquisaca, Bolivia. April 1963.

290960. *SOLANUM UREYI* Card.

No. 4838-62. High, cold, wet, grasslands, "Suncani," about 10 km. from Hacienda Sailapata, road to Cuatro Cruces, Dept. of Cochabamba, Province Ayopaya, Bolivia. April 1963.

290961. *SOLANUM* sp.

No. 4474. Ten km. from Huambutio, road to Pisac, Dept. of Cuzco, Peru. Plant is of hybrid origin. March 1963.

290962 to 290965.

From the Philippines. Stolons presented by the Bureau of Plant Industry, Manila. Received May 29, 1963.

290962 to 290964. *PANICUM MAXIMUM* Jacq. Poaceae. Guineagrass.

290962. 'Common Guinea'.

290963. 'Colonial'.

290964. 'King Ranch'.

290965. *PANICUM MAXIMUM* var. *TRICHOGLUME* Eyles Green panicgrass.

290966 to 290970.

From Argentina. Seeds collected and presented by Doris M. Cochran, United States National Museum, Washington, D.C. Received May 31, 1963.

290966. *CITRUS* sp. Rutaceae.

Col. No. 4. Quinta Gallarda, Bella Vista. Trees frost hardy, stand hard pruning well and used as shade trees in cities; fruit 4.2 inches in diameter, skin rough, thick, pulpy, oily, aromatic, chrome-orange colored; sections juicy, in pairs, 9 to 10 per fruit, easily separated from rind and each other, sweet with bitter aftertaste. Edible portion small. Fruit ripens in Buenos Aires in January.

290967. *ERYTHRINA* sp. Fabaceae.

Col. No. 3. Quinta Gallarda, Bella Vista. Shrub; flowers rose colored.

290968. *PHYSALIS* sp. Solanaceae.

Col. No. 1. Growing wild at Quinta Gallarda, Bella Vista. Fruit edible.

290969. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.

Col. No. 85. Catarata hotel garden.

290970. (Undetermined.)

Col. No. 5. Along stream, Villa Gallarda, Bella Vista. Plant tall, lily-like; flowers red. Excellent ornamental.

290971 to 290975.

From Colombia. Seeds collected and presented by Doris M. Cochran, United States National Museum, Washington, D.C. Received May 31, 1963.

- 290971.** *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.
Col. No. 20. Experimental Farm, Palmira, Valle. 'Dixie Spanish'.
- 290972.** *CAPSICUM ANNUM* L. Solanaceae. Pimento.
Col. No. 25. Farm 20 miles north of Cali, Valle.
- 290973.** *CAPSICUM SINENSE* Jacq.
Col. No. 31. Hotel Nutibara, Medellin, Antioquia. Ornamental.
- 290974.** *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
Col. No. 30. Roadside, 10 miles northwest of Cali, Valle.
- 290975.** *SORGHUM BICOLOR* (L.) Moench Poaceae.
Col. No. 26. Farm 20 Miles North of Cali, Valle.

290976 to 291026.

From Peru. Seeds collected and presented by Doris M. Cochran, United States National Museum, Washington, D.C. Received May 31, 1963.

- 290976 and 290977.** *ANNONA CHERIMOLA* Mill. Annonaceae. Cherimoya.
290976. Col. No. 34. Indian market, Lima.
290977. Col. No. 82. Forty-two miles east of Lima. Elevation 5,000 feet.
- 290978.** *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.
Col. No. 35. 'Mani'. Indian market, Lima. Testa very dark, slightly variegated.
- 290979.** *CAPSICUM PUBESCENS* Ruiz & Pav. Solanaceae.
Col. No. 41. 'Rocoto'. Indian market, Lima.
- 290980.** *CAPSICUM FRUTESCENS* L. Redpepper.
Col. No. 37. 'Aji Amarillo'. Indian market, Lima.
- 290981.** *CAPSICUM PENDULUM* Willd.
Col. No. 38. 'Aji-chivato'. Indian market, Lima.
- 290982.** *CAPSICUM PENDULUM* Willd.
Col. No. 39. 'Aji Mirasol'. Indian market, Lima.
- 290983.** *CAPSICUM PENDULUM* Willd.
Col. No. 40. 'Aji Verde'. Indian market, Lima.
- 290984.** *CHENOPODIUM QUINOA* Willd. Chenopodiaceae. Quinoa.
Col. No. 42. Indian market, Lima. One of the principal native foods.
- 290985.** *CYCLANTHERA FEDATA* (L.) Schrad. Cucurbitaceae.
Col. No. 44. 'Caihuita'. Indian market, Lima.
- 290986.** *DOLICHOS LABLAB* L. Fabaceae. Hyacinth-bean.
Col. No. 43. Indian market, Lima. Seeds white.
- 290987.** *PASSIFLORA CUMBALENSIS* (Karst.) Harms Passifloraceae.
Col. No. 80. Forty-two miles east of Lima. Elevation 5,000 feet.
- 290988.** *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.
Col. No. 47. 'Pallar'. Indian market, Lima. Seeds white, large.
- 290989 to 291008.** *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.
Indian market, Lima.

290976 to 291026—Continued

290989. Col. No. 7. 'Diacol Catio'. Seeds kidney shaped, mottled, light tan and reddish brown.
290990. Col. No. 8. 'Diacol Nima'. Seeds kidney shaped, mottled, light tan and reddish brown.
290991. Col. No. 9. 'Diacol Anolino'. Seeds ovoid, mottled, brown and dark brown.
290992. Col. No. 10. 'Suagrestoro'. Seeds long, flat, reddish brown.
290993. Col. No. 11. 'Algarrobo'. Seeds ovoid to kidney shape, mottled, brown and dark brown.
290994. Col. No. 13. 'Panameno'. Seeds kidney shape, mottled, purple and light tan.
290995. Col. No. 36. 'Canario'. Seeds ovoid, yellowish.
290996. Col. No. 48. 'Panamito'. Seeds small, white, ovoid.
290997. Col. No. 49. Seeds ovoid, mottled, dark reddish brown and black.
290998. Col. No. 50. 'Frijol Negro'. Seeds ovoid, dark maroon.
290999. Col. No. 51. Seeds ovoid, striated, pinkish.
291000. Col. No. 52. Seeds ovoid, mottled, tan and dark purplish brown.
291001. Col. No. 53. Seeds ovoid, medium brown with suggestion of mottling.
291002. Col. No. 54. Seeds ovoid, variable mottled, light or dark brown and black.
291003. Col. No. 55. Seeds ovoid, medium brown with suggestion of mottling.
291004. Col. No. 57. Seeds squarish, flattened, mottled, light yellowish brown and dark purplish brown.
291005. Col. No. 58. Seeds ovoid, white.
291006. Col. No. 59. Seeds ovoid, mottled, almost black.
291007. Col. No. 60. Seeds almost spherical, reddish brown.
291008. Col. No. 61. Seeds ovoid, mottled, off white on dark purplish brown.

291009. SOLANUM sp. Solanaceae.

Col. No. 14. Forty-two miles east of Lima. Elevation 7,000 feet. Fruit greenish, to 0.5 inch in diameter, in clusters.

291010. VICIA FABA L. Fabaceae.**Broadbean.**

Col. No. 63. 'Habay'. Indian market, Lima. Seeds variable in color; brown, green, or oddly linear mottled.

291011. VIGNA SINENSIS (Torner) Savi Fabaceae.

Col. No. 56. 'Frejol de Castilla'. Indian market, Lima. Seeds large, creamy white with tan hilum.

291012 to 291026. ZEA MAYS L. Poaceae.**Corn.**

Indian market, Lima.

291012. Col. No. 64. 'Chullpi'. Seeds long, narrow, yellowish.
291013. Col. No. 65. 'Maiz Colorado'. Seeds roundish to long, narrow; small to average size; yellow, red, dark red, to almost black.
291014. Col. No. 66. 'Maiz Cuzqueno'. Seeds large, flat, whitish.
291015. Col. No. 67. 'Maiz Cuzqueno'. Seeds large, flat, brown striped.

290976 to 291026—Continued

291016. Col. No. 68. 'Maiz Amarillo' or 'Maiz Llipta'. Seeds bright yellow.
 291017. Col. No. 69. Seeds size, shape, and color variable.
 291018. Col. No. 70. 'Maiz Blanco'. Seeds yellow.
 291019. Col. No. 71. 'Maiz Blanco'. Seeds yellow.
 291020. Col. No. 72. Seeds reddish black.
 291021. Col. No. 73. Seeds brownish red.
 291022. Col. No. 74. Seeds pale yellow.
 291023. Col. No. 75. Seeds reddish brown.
 291024. Col. No. 76. Seeds gray.
 291025. Col. No. 77. Seeds speckled, greyish purple on creamy white.
 291026. Col. No. 78. Seeds elongated, brownish, striated.

291027 to 291029. SORGHUM BICOLOR (L.) Moench Poaceae.

From the Sudan. Seeds presented by the Agency for International Development, Khartoum. Received June 3, 1963.

291027. 'Farhoda'.
 291028. 'Mugod White'.
 291029. 'Mugod Red'.

291030. AVENA SATIVA L. Poaceae.**Common oats.**

From Rhodesia. Seeds presented by the United States Consulate, Salisbury. Received June 3, 1963.

'Cowra 977'. From Mozambique.

291031 to 291036.

From India. Seeds presented by the Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received June 3, 1963.

291031. CYAMOPSIS TETRAGONOLOBIA (L.) Taub. Fabaceae. **Guar.**
 'Pusa Sadabahar'.
 291032. HIBISCUS ESCULENTUS L. Malvaceae. **Okra.**
 'Pusa Sawani'.
 291033 to 291036. SOLANUM MELONGENA L. Solanaceae. **Eggplant.**
 291033. I.C. 3059. Fruit white, long, clustered.
 291034. I.C. 3508. Fruit green, long.
 291035. I.C. 4233. Fruit green, round.
 291036. I.C. 4717. Fruit green, oval.

291037 to 291046.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received June 3, 1963.

- 291037 to 291040. GOSSYPIUM BARBADENSE L. Malvaceae. **Sea-island cotton.**
 291037. B-2. Margao, Goa.
 291038. B-4. Vetal, Ponda, Goa.
 291039. B-5. Shantadurga, Ponda, Goa.
 291040. B-6. Carelossim, Goa.
 291041 to 291046. GOSSYPIUM HIRSUTUM L. **Upland cotton.**
 291041. H-1. Alce Margao, Goa.

291037 to 291046—Continued

291042. H-2. Margao, Goa.
 291043. H-3. Panwel, Goa.
 291044. H-4. Mangesh, Goa.
 291045. H-5. Mhalsa, Goa.
 291046. H-6. Shantadurga-Ponda, Goa.

291047. PANICUM MAXIMUM Jacq. Poaceae. Guineagrass.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico, Federal District. Received June 3, 1963.

'Privilegio'.

291048 to 291093. SORGHUM BICOLOR (L.) Moench Poaceae.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received June 3, 1963.

291048. PRO-61-62. 918.	291071. PRO-61-62. 942.
291049. PRO-61-62. 919.	291072. PRO-61-62. 943.
291050. PRO-61-62. 920.	291073. PRO-61-62. 946.
291051. PRO-61-62. 921.	291074. PRO-61-62. 948.
291052. PRO-61-62. 922.	291075. PRO-61-62. 949.
291053. PRO-61-62. 923.	291076. PRO-61-62. 950.
291054. PRO-61-62. 924.	291077. PRO-61-62. 951.
291055. PRO-61-62. 925.	291078. PRO-61-62. 954.
291056. PRO-61-62. 927.	291079. PRO-61-62. 955.
291057. PRO-61-62. 928.	291080. PRO-61-62. 956.
291058. PRO-61-62. 929.	291081. PRO-61-62. 957.
291059. PRO-61-62. 930.	291082. PRO-61-62. 959.
291060. PRO-61-62. 931.	291083. PRO-61-62. 960.
291061. PRO-61-62. 932.	291084. PRO-61-62. 961.
291062. PRO-61-62. 932-B.	291085. PRO-61-62. 962.
291063. PRO-61-62. 933.	291086. PRO-61-62. 963.
291064. PRO-61-62. 934.	291087. PRO-61-62. 964.
291065. PRO-61-62. 935.	291088. PRO-62B. 940.
291066. PRO-61-62. 936.	291089. PRO-62B. 944.
291067. PRO-61-62. 937.	291090. PRO-62B. 945.
291068. PRO-61-62. 938.	291091. PRO-62B. 952.
291069. PRO-61-62. 939.	291092. PRO-62B. 958.
291070. PRO-61-62. 941.	291093. Ch.60. 'Elgeyo'.

291094 to 291098. VIGNA SINENSIS (Torner) Savi Fabaceae.

From Argentina. Seeds presented by the Estacion Experimental Agricola, Tucuman. Received June 3, 1963.

291094. No. 1-63.
 291095. No. 3-63.
 291096. No. 4-63.
 291097. No. 5-63.
 291098. No. 6-63.

291099. DACTYLIS GLOMERATA subsp. LUSITANICA Stebbins & Zohary Poaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 3, 1963.

C.P.I. 31125. Originally from Sintra, Portugal.

291100 to 291131.

From Ghana. Seeds presented by the United States Agency for International Development, Accra. Received June 3, 1963.

291100 to 291122. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

291100. No. 1. Northern region. Cultivated. Plants to 14 feet high; stems reddish brown, slightly spiny, little branching below 6 feet.

291101. No. 2. Northern region. Plants in wild, to 8 feet high; stems reddish, very spiny, only slightly branched.

291102. No. 3. Upper region. Plants in wild to 10 feet high; stems greenish, slightly spiny, little branching.

291103. No. 4. Upper region. Cultivated. Plant to 10 feet high; stems reddish brown, slightly spiny, branched in upper half.

291104. No. 5. Upper region. Plants in wild, to 6 feet high; stems reddish, spiny; slightly branched.

291105. No. 6. Upper region. Plants in wild, to 8 feet high; stems reddish brown, spiny; bushy with branches.

291106. No. 7. Upper region. Plant in wild, to 4 feet high; stems reddish, spiny; branched at ground level.

291107. No. 8. Upper region. Plants in wild, to 4 feet high; stems reddish, spiny; slightly branched.

291108. No. 9. Upper region. Cultivated. Plants to 12 feet high; stems green, spiny.

291109. No. 10. Upper region. Cultivated. Plants to 13 feet high; stems brownish green.

291110. No. 11. Upper region. Cultivated. Stems green.

291111. No. 12. Upper region. Cultivated. Plants to 14 feet high; stems green, branching only at top.

291112. No. 13. Upper region. Cultivated. Plants to 7 feet high; stems green; not branched except in top 8 inches.

291113. No. 14. Upper region. Cultivated. Plants to 12 feet high; stems greenish, spiny.

291114. No. 15. Upper region. Cultivated.

291115. No. 16. Upper region. Cultivated. Plant to 12 feet high; stems green, no branching.

291116. No. 17. Upper region. Cultivated. Plant to 12 feet high; stems red, no branching.

291117. No. 18. Upper region. Cultivated.

291118. Type 1. Northern region. Cultivated. Stems white.

291119. Type 2. Northern region. Cultivated. Stems red.

291120. Type 3. Northern region. Cultivated. Stems white.

291121. Type 4. Northern region. Cultivated. Stems white.

291122. Type 5. Northern region. Stems red.

291123 to 291125. HIBISCUS ESCULENTUS L. Malvaceae. Okra.

291123. No. 1. Upper region. Cultivated. Plant to 6 feet high.

291100 to 291131—Continued

291124. No. 2. Upper region. Cultivated. Plant to 16 feet high.

291125. No. 3. Northern region.

291126 to 291131. *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**

291126. No. 1. Northern region. Cultivated. Plants to 6 feet high; stems reddish green, smooth, semierect, much branched; calyx smooth, reddish.

291127. No. 2. Upper region. Cultivated. Plant to 6 feet high; stem reddish pink; calyx and seeds eaten in soup.

291128. No. 3. Upper region. Cultivated. Plant to 7 feet high; stems red; calyx and seeds eaten in soup.

291129. No. 4. Upper region. Cultivated. Plants to 5 feet high; calyx and seeds eaten.

291130. No. 5. Upper region. Cultivated. Plant to 4 feet high; stems reddish pink, semibranching; calyx and seeds eaten.

291131. Composite sample of red stem types from northern region.

291132. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.

From Puerto Rico. Seeds presented by Federal Experiment Station, Mayaguez. Received June 3, 1963.

291133 to 291143.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 3, 1963.

291133. *ACACIA ANEURA* F. Muell. Mimosaceae.

C. 1194.

291134. *BASSELINIA GRACILIS* Brongn. & Gris. Phoenicaceae. **Palm.**

McKee No. 7958. From New Caledonia.

291135. *BASSELINIA SURCOLOSA* Becc. **Palm.**

McKee No. 7770. From New Caledonia.

291136. *DACTYLIS WORONOWII* Ovcz. Poaceae.

C.P.I. 24171.

291137. *FICUS GLOMERATA* Roxb. Moraceae.

Land Research Regional Station, Katherine.

291138. (Undetermined.) Phoenicaceae.

McKee No. 9857. From New Caledonia.

291139 to 291143. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

291139. C.P.I. 11044. 'Malabar'.

291140. C.P.I. 12148. 'Negro'.

291141. CQ 375. 'Poona'.

291142. CQ 574. 'Cristando'.

291143. CQ 576. 'Reeves'.

291144. *ERYTHRINA POEPPIGIANA* (Walp.) O. F. Cook Fabaceae. **Bucare.**

From Nicaragua. Seeds collected and presented by L. O. Williams, Natural History Museum, Chicago, Ill. Received June 4, 1963. Finca Monte Fresco, 18 km. south of Managua. Large ornamental tree.

291145. CUCURBITA OKEECHOBEENSIS (Small) Bailey Cucurbitaceae.

From the United States. Seeds presented by the Everglades Experiment Station, Belle Glade, Fla. Numbered June 4, 1963. From several fruits found on shore and in Lake Okeechobee.

291146 to 291195.

From the Republic of South Africa. Seeds collected and presented by W. W. Huffine, University of Oklahoma, Stillwater. Numbered June 4, 1963.

291146 to 291182. CYNODON DACTYLON (L.) Pers. Poaceae.**Bermudagrass.**

291146. Col. No. 21-120. 'Kweek'. Flat area, dry roadside, Lichtenburg school. Elevation 4,600 feet. Plants low growing.
291147. Col. No. 21-121. 'Kweek'. Flat area, dry site, Lichtenburg.
291148. Col. No. 21-122. 'Kweek'. Flat area, roadside 10 miles from Lichtenburg, road to Biesiesolei. Elevation 4,400 feet.
291149. Col. No. 21-123. Flat area, roadside 10 miles from Lichtenburg, road to Biesiesolei. Elevation 4,400 feet. Plants lowgrowing.
291150. Col. No. 21-124. Poorly drained roadside ditch, flat country, grayish-black soil, 10 miles from Sannieshof, road to Barberspan. Elevation 4,300 feet.
291151. Col. No. 22-125. Low, dry, red, stony, sandy-clay drainage ditch, 4 miles from Tarlton, road to Ventersdorp. Elevation 4,850 feet.
291152. Col. No. 22-126. Low, dry, red, stony, sandy-clay drainage ditch, 4 miles from Tarlton, road to Ventersdorp. Elevation 4,850 feet.
291153. Col. No. 23-128. Flat, sandy-stony roadside, 5 miles from Delareyville, on Schweizer-Renek road. Elevation 4,000 feet.
291154. Col. No. 24-132. Flat, sandy-stony roadside 18 miles from Delareyville, on Schweizer-Renek road. Elevation 4,500 feet.
291155. Col. No. 24-134. Flat, sandy-stony roadside, 7 miles from Bloemhof, road to Christiana. Elevation 4,100 feet.
291156. Col. No. 24-136. Black, sandy-clay roadside, near Kimberly. Elevation 4,100 feet.
291157. Col. No. 25-141. Black, sandy-clay loam, 12 miles north of Pretoria. Elevation 4,500 feet.
291158. Col. No. 28-164. Roadside, road to Horticultural Research Station, View Point. Elevation 4,200 feet.
291159. Col. No. 28-165. Dry, stony roadside, road to Horticultural Research Station, View Point. Elevation 4,200 feet.
291160. Col. No. 29-167. Dry, sandy alluvium, 15 miles south of Pretoria. Elevation 4,600 feet.
291161. Col. No. 29-168. Dry, sandy alluvium, 15 miles south of Pretoria. Elevation 4,600 feet.
291162. Col. No. 30-170. Dry, sandy-clay roadside between Estecourt and Laskop, Natal. Elevation 4,800 feet.
291163. Col. No. 30-171. Dry, sandy-clay roadside 4 miles from Loskop, Natal. Elevation 4,800 feet.
291164. Col. No. 30-172. Dry, clayey soil, Mooiriver, Natal. Elevation 5,000 feet.
291165. Col. No. 30-173. Dry, sandy, vacant lot, Durbar, Natal. Elevation 100 feet.

291146 to 291195—Continued

291166. Col. No. 30-174. Sandy-clay soil, Kranskop, Natal. Elevation 5,000 feet.
291167. Col. No. 31-176. Stony, sandy, river bank below Hartbeespoort Dam, 25 miles west of Pretoria. Elevation 4,800 feet.
291168. Col. No. 31-177. Dry, gravelly site, below Hartbeespoort Dam, 25 miles west of Pretoria. Elevation 4,800 feet. Blades hairy above, almost glabrous beneath.
291169. Col. No. 31-178. Rocky, sandy site below Hartbeespoort Dam, 25 miles west of Pretoria. Elevation 4,800 feet. Fine-textured, tall growing plant; spikes long, flexuous.
291170. Col. No. 32-179. Stony, dry site, water reservoir, Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Blades hairy above and below; tufted, abundant.
291171. Col. No. 32-180. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Blades hairy above.
291172. Col. No. 32-181. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Plant fine textured, upright, dense clumps.
291173. Col. No. 32-182. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Plant low growing, gray green, dense.
291174. Col. No. 32-183. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Plant upright, very pubescent, leafy, dark green; spikes long, erect; flowering culms become prostrate at maturity.
291175. Col. No. 32-184. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Plant fine textured, leafy, medium height, dense.
291176. Col. No. 32-185. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Plant low growing.
291177. Col. No. 32-186. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Spikes arising from two nodes; seeds from many plants.
291178. Col. No. 32-187. Sandy-clay soil, water reservoir Horticultural Research Institute, Roodeplatt, Pretoria. Elevation 4,100 feet. Seeds from random collection.
291179. Col. No. 33-188. Defense Force golf course, Pretoria. Elevation 4,500 feet.
291180. Col. No. 33-189. Defense Force golf course, Pretoria. Elevation 4,500 feet. Spikes long, leafy, flexuous.
291181. Col. No. 34-192. 'Hall's Selection'. Zwartkop Country Club nursery, Pretoria. Elevation 4,500 feet. Turf type.
291182. Col. No. 34-193. 'Hall's Selection'. Zwartkop Country Club nursery, Pretoria. Elevation 4,500 feet. Turf type.
- 291183 to 291188. CYNODON HIRsutus Stent**
291183. Col. No. 28-166. Dry, stony roadside, road to Horticultural Research Institute, View Point. Elevation 4,200 feet.
291184. Col. No. 30-169. Dry site, cold area, Mooiriver, Natal. Elevation 5,000 feet.
291185. Col. No. 30-175. Dry, sandy-clay, rocky roadside seven miles north of Kranskop-Quedin road intersection. Elevation 5,200 feet. Plants sparse, very flat.

291146 to 291195—Continued

291186. Col. No. 33-190. Defense Force Recreation Club Stadium, Pretoria. Elevation 4,500 feet.

291187. Col. No. 34-191. Zwartkop Country Club nursery, Pretoria. Elevation 4,500 feet.

291188. Col. No. 34-194. Zwartkop Country Club nursery, Pretoria. Elevation 4,500 feet. Low-growing type.

291189 to 291191. CYNODON INCOMPLETUS Nees

291189. Col. No. 23-130. Flat, sandy, stony, roadside five miles from Delareyville, Schweizer-Reneke road. Elevation 4,400 feet.

291190. Col. No. 24-133. Black, sandy, alluvial stream-bank, Schweizer-Reneke road. Elevation 4,500 feet.

291191. Col. No. 24-135. Dry, rocky, sandy-clay, Kimberly. Leaves hairy below, slightly as above.

291192 and 291193. CYNODON POLEVANSII Stent

291192. Col. No. 21-119. 'Kweek'. Flat, sandy roadside 10 miles northeast of Delareyville. Elevation 4,400 feet.

291193. Col. No. 23-131. 'Kweek'. Flat, sandy roadside 10 miles northeast of Delareyville. Elevation 4,400 feet. Turf type; blades rigid.

291194. CYNODON sp.

Col. No. 22-127. Roadside drainage ditch four miles from Tarlton, road to Ventersdorp. Elevation 4,850 feet.

291195. CYNODON sp.

Col. No. 23-129. Flat, stony, sandy soil, five miles from Delareyville, Schweizer-Reneke road. Elevation 4,400 feet. Plants low growing.

291196 to 291249. SORGHUM BICOLOR (L.) Moench Poaceae.

From Jamaica. Seeds increased and held by the Pioneer Hybrid Seed Company, Kingston. Numbered June 4, 1963.

<i>I.S. No.</i>	<i>Variety</i>
291196. 1003.	
291197. 1004.	Gund. 34, SA6468.
291198. 1006.	Gund. 3, SA6480.
291199. 1015.	
291200. 1019.	T/263.
291201. 1029.	
291202. 1030.	IC 3442.
291203. 1032.	IC 1517. Early progeny.
291204. 1033.	IC 1460.
291205. 1038.	'Verawal Dholio'.
291206. 1041.	
291207. 1042.	P. J. 4-5.
291208. 1052.	G. 3.
291209. 1056.	C. 10-2.
291210. 1059.	B. D. 8.
291211. 1060.	'Sundhia-1049'.
291212. 1096.	'Yenigar-2'.
291213. 1105.	
291214. 1108.	'Viramgam SA1781'.

291196 to 291249—Continued

291215.	1112.	'Nilwa'.
291216.	1113.	'Balingaon'.
291217.	1114.	'Sheosagar'.
291218.	1116.	'Nauhatta'.
291219.	1117.	'Satsemari'.
291220.	1119.	'Dagadi-36'.
291221.	1120.	'Shenoli-4-5'.
291222.	1121.	'Karad 2-7-11'.
291223.	1122.	'Karad Local'.
291224.	1132.	N1.
291225.	1133.	
291226.	1134.	N3.
291227.	1136.	
291228.	1138.	N8.
291229.	1140.	
291230.	1141.	N10.
291231.	1142.	N12.
291232.	1148.	G4.
291233.	1151.	'Aispuri'.
291234.	1366.	
291235.	1433.	AS7445.
291236.	1477.	AS1019. 'Ennai Cholam'.
291237.	1526.	AS5078. 'Vellai Cholam'.
291238.	1596.	
291239.	1598.	
291240.	2177.	'K-2 Cholm'.
291241.	2180.	R. S. 1.
291242.	2245.	Co.9.
291243.	2246.	'Ujjain-6'.
291244.	2247.	T7/53.
291245.	2248.	T2/53.
291246.	2253.	JT18.
291247.	2646.	
291248.	2647.	
291249.	3420.	

291250. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 4, 1963.

No. 44269. 'Barhatnaja'. Tambov region. Winter wheat.

291251 to 291391.

From Mainland China. Seeds presented by Algat Holmberg, Horrkoeping, Sweden. Received June 5, 1963.

291251 to 291253. ARACHIS HYPOGAEA L. Fabaceae Peanut.
 291251. No. 273. Early variety.

291251 to 291391—Continued

291252. No. 274. Early variety.
291253. No. 275. Early variety.
291254. CUCURBITA PEPO L. Cucurbitaceae. **Pumpkin.**
No. 174. Harbin. Early Chinese white vegetable marrow.
- 291255 to 291331. GLYCINE MAX (L.) Merrill Fabaceae. **Soybean.**
291255. No. 82. Yellow soybean.
291256. No. 83. Harbin.
291257. No. 84. Harbin.
291258. No. 85. Harbin.
291259. No. 86. Harbin.
291260. No. 87. Harbin.
291261. No. 88. Harbin.
291262. No. 89. Harbin.
291263. No. 90. Harbin.
291264. No. 91. Harbin.
291265. No. 92. Harbin.
291266. No. 93. Harbin.
291267. No. 94. Harbin.
291268. No. 95. Harbin.
291269. No. 96. Harbin.
291270. No. 97. Harbin.
291271. No. 98. Harbin.
291272. No. 99. Harbin. Seed black, used as forage.
291273. No. 100. Harbin. Seed black, used as forage.
291274. No. 101. Plants in semiwild. Seed small, black.
291275. No. 102. Plants in semiwild.
291276. No. 103. Plants in semiwild.
291277. No. 104. Plants in semiwild.
291278. No. 105. Plants in semiwild.
291279. No. 116. Northern Harbin.
291280. No. 117. Northern Harbin.
291281. No. 118. Northern Harbin.
291282. No. 119. Northern Harbin.
291283. No. 120. Northern Harbin.
291284. No. 121. Northern Harbin.
291285. No. 122. Northern Harbin.
291286. No. 123. Northern Harbin.
291287. No. 124. Northern Harbin.
291288. No. 125. Northern Harbin.
291289. No. 126. Northern Harbin.
291290. No. 127. Northern Harbin.
291291. No. 128. Northern Harbin.
291292. No. 129. Northern Harbin.
291293. No. 157. Mutangtsiang District.

291251 to 291391—Continued

- 291294.** No. 158. Mutangtsiang District.
291295. No. 159. Mutangtsiang District.
291296. No. 160. Mutangtsiang District.
291297. No. 161. Mutangtsiang District.
291298. No. 162. Mutangtsiang District.
291299. No. 163. Mutangtsiang District.
291300. No. 164. Mutangtsiang District.
291301. No. 165. Mutangtsiang District.
291302. No. 166. Mutangtsiang District.
291303. No. 167. Mutangtsiang District.
291304. No. 168. Mutangtsiang District.
291305. No. 169. Mutangtsiang District.
291306. No. 170. Mutangtsiang District.
291307. No. 171. Mutangtsiang District.
291308. No. 172. Mutangtsiang District.
291309. No. 211. Harbin.
291310. No. 212. Harbin market.
291311. No. 289. Koshan.
291312. No. 290. Koshan.
291313. No. 291. Koshan.
291314. No. 293. Koshan.
291315. No. 294. Koshar.
291316. No. 295. Koshan.
291317. No. 296. Koshan.
291318. No. 297. Koshan.
291319. No. 298. Koshan.
291320. No. 299. Koshan.
291321. No. 300. Koshan.
291322. No. 301. Koshan.
291323. No. 302. Koshan.
291324. No. 303. Koshan.
291325. No. 304. Koshan.
291326. No. 305. Koshan.
291327. No. 306. Koshan.
291328. No. 307. Koshan.
291329. No. 308. Koshan.
291330. No. 309. Koshan.
291331. No. 310. Koshan.
291332. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**
 No. 284. From pheasant's craw, near Harbin.
291333. *LINUM USITATISSIMUM* L. Linaceae.
 No. 268. Kustanai District, Kazadistan, U.S.S.R. via China.
291334 to 291361. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
291334. No. 234. 'Ching Dao'. Plants productive; fruits large, red.

291251 to 291391—Continued

291335. No. 235. 'Kposbosur'. Plants productive; fruits large, red.
291336. No. 236. 'Z-pi'. Midseason variety; fruits deep red, medium size.
291337. No. 237. 'Hong Kong'. Plants productive; fruits large, pink red.
291338. No. 238. 'Tasaing'. Early variety; fruits red, medium size.
291339. No. 239. 'Pias Jong No. 3'. Early variety; fruits red, large.
291340. No. 240. 'Dgenshanmai'. Late variety; fruit red, large.
291341. No. 241. 'Fuenhung Tan Than'. Late variety; fruits pink red, large, sweet.
291342. No. 242. 'Peng Kuay Chize'. Early variety; fruits red, large, flavorful.
291343. No. 234. 'Muonging Tao'. Midseason variety; fruits yellow, small.
291344. No. 244. 'Iezaoshang'. Early-midseason variety; productive; fruits large, red.
291345. No. 245. 'Fenhay-Zao Sheng'. Midseason-late variety; fruits large, pink red.
291346. No. 246. 'Quiehang Jachen'. Late variety; fruits large, orange yellow, flavorful.
291347. No. 247. 'Fan-qis No. 9'. Plant productive, midseason variety; fruit small, red.
291348. No. 248. 'Hong Dan'. Plant productive, late variety; fruit large, red.
291349. No. 249. 'Pai-dung 249'. Plant productive, early variety; fruit large, pink red.
291350. No. 250. 'Shau-dung'. Plant productive, fruit large, pink red.
291351. No. 251. 'Pen-guan No. 7'. Late variety; fruit large, yellow, sweet.
291352. No. 252. 'Mgu'. Plant erect; fruit small, red.
291353. No. 253. 'Grix'. Plant productive, midseason-late variety; fruit large, pink red, flavorful.
291354. No. 254. 'Nai-jang Hong'. Plant productive; fruit large, red.
291355. No. 255. 'Hu-lan Da-Fen'. Fruit large, pink red.
291356. No. 256. 'Tien-min'. Midseason variety; fruits yellow, medium size.
291357. No. 257. 'U.S.S.R. 193'. Plant productive, midseason-late variety; fruits small, red.
291358. No. 258. 'Geng Dgon Xiao-jang'. Plant productive, early variety; fruit large, pink red.
291359. No. 259. 'Dahong Pao'. Plant productive, early variety; fruit large, red.
291360. No. 260. 'Taijuang'. Midseason-late variety; fruits large, pink red.
291361. No. 261. 'Peiking'. Plants productive, late variety; fruits very large, pink red.
291362. *MATRICARIA CHAMOMILLA* L. Asteraceae. German camomile.
No. 134. Chinese medicinal plant. Seeds from Siberia.

291251 to 291391—Continued

- 291363 and 291364. *PANICUM MILIACEUM* L. Poaceae. **Proso.**
 291363. No. 143. Kazadistan, U.S.S.R. via China.
 291364. No. 279. Mukden.
291365. *PHASEOLUS MUNGO* L. Fabaceae. **Urd.**
 No. 178. Near Harbin.
291366. *PHASEOLUS RADIATUS* L.
 No. 177. Near Harbin.
- 291367 to 291370. *PHASEOLUS VULGARIS* L. **Common bean.**
 291367. No. 189. Early, dwarf, grown with corn.
 291368. No. 190. Early, dwarf, grown with corn.
 291369. No. 286. Mukden. Climber.
 291370. No. 287. Climber.
291371. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**
 No. 179. Northern Manchuria. Early variety.
- 291372 and 291373. *SETARIA ITALICA* (L.) Beauv. Poaceae. **Foxtail millet.**
 291372. No. 181. Near Harbin.
 291373. No. 182. Near Harbin.
291374. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**
 No. 173. Near Harbin. Early variety; fruits elliptic, violet blue.
- 291375 to 291380. *SORGHUM BICOLOR* (L.) Moench
 291375. No. 175. Near Harbin.
 291376. No. 192. N. E. China. Early variety. Grown for seeds.
 291377. No. 193. N. E. China. Early variety. Grown for seeds.
 291378. No. 194. N. E. China. Early variety. Grown for seeds.
 291379. No. 195. N. E. China. Early variety. Grown for seeds.
 291380. No. 278. Mukden. Syrup sorghum.
291381. *SORGHUM* sp.
 No. 280. Broom sorghum.
291382. *SORGHUM* sp.
 No. 282. Mukden. Broom sorghum.
291383. *SORGHUM* sp.
 No. 283. Mukden. Broom sorghum.
- 291384 and 291385. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae. **Catjang-pea.**
 291384. No. 276. Mukden. Early variety.
 291385. No. 277.
- 291386 to 291391. *ZEA MAYS* L. Poaceae. **Corn.**
 291386. No. 184. Harbin. Early variety.
 291387. No. 185. Harbin. Early variety.
 291388. No. 186. Harbin. Early variety.
 291389. No. 187. Harbin. Early variety.
 291390. No. 188. Harbin. Early variety.
 291391. No. 196. Harbin. Bantam sweet corn grown in N. China for
 30 years.

291392. PENNISETUM (hybrid). Poaceae.

From Pakistan. Rootstocks presented by the Ayb Agricultural Research Institute, Lyallpur. Received June 6, 1963.

'Bajra'. *P. purpureum* × *P. typhoides*.

291393 and 291394. NICOTIANA SUAVEOLENS Lehm. Solanaceae.

From Rhodesia. Seeds presented by the Tobacco Research Board, Katsuga Station, Salisbury. Received June 6, 1963.

291393. Strain 256-1 (Code R148). Has field resistance to *Meloidogyne javanica*.

291394. Strain W. 90. From Gembloux, Belgium. Immune to *Alternaria*.

291395 to 291399.

From Australia. Seeds presented by the King's Park and Botanic Garden, Perth. Received June 6, 1963.

291395. *HIBISCUS DRUMMONDII* Turcz. Malvaceae.

No. 1794. From Yuna (Geraldton).

291396. *HIBISCUS FARRAGEI* F. Muell.

No. 173.

291397. *HIBISCUS HUEGELII* Endl.

No. 499. 'Glabrescens'.

291398. *HIBISCUS HUEGELII* var. *WRAYAE* (Lndl.) Benth.

No. 881.

291399. *HIBISCUS PINONIANUS* Gaudich.

No. 1101. Road to Sharks Bay, 405 miles north of Perth.

291400 to 291547.

From Hungary. Seeds presented by the Orszagos Agrobotanikai Intezet, Tapioszele. Received June 6, 1963.

291400 to 291411. *HELIANTHUS ANNUUS* L. Asteraceae.

Sunflower.

291400. No. 110. VI-2-1. 'Mezohegyesi Cirmos'.

291401. No. 110. VI-2-3. 'Lovaszpatonai'.

291402. No. 110. VI-2-4. 'Iregi Korai Csikos'.

291403. No. 110. VI-2-19. 'Nain Noir'.

291404. No. 110. VI-2-37. 'Szaratovszkij Ranni'.

291405. No. 110. VI-2-40. 'Szaratovszkij 10'.

291406. No. 110. VI-2-41. 'Rudorf'.

291407. No. 110. VI-2-42. 'Hybride Larague'.

291408. No. 110. VI-2-56. 'Zeljonka 61'.

291409. No. 110. VI-2-57. 'Pioner Szibiri'.

291410. No. 110. VI-2-58. 'Bamanlszkij 1501'.

291411. No. 110. VI-2-68. 'Vniimk 8883'.

291412 to 291547. *ORYZA SATIVA* L. Poaceae.

Rice.

291412. No. 110. I-11-1. 'Omirt 39'.

291413. No. 110. I-11-2. 'Omirt 168'.

291414. No. 110. I-11-3. 'Omirt 210'.

291415. No. 110. I-11-4. 'Omirt 239'.

291400 to 291547—Continued

291416. No. 110. I-11-5. 'Szegedi Szakallas 21'.
291417. No. 110. I-11-6. 'Szegedi Szakallas 27'.
291418. No. 110. I-11-7. 'Szegedi Szakallas 28'.
291419. No. 110. I-11-8. 'Szegedi Szakallas 30'.
291420. No. 110. I-11-16. 'Varsanyhelyi'.
291421. No. 110. I-11-17. 'Szaniszlo 1'.
291422. No. 110. I-11-18. 'Szaniszlo 2'.
291423. No. 110. I-11-19. 'Szelenyi 1742'.
291424. No. 110. I-11-101. 'Uz-rosz 5 A'.
291425. No. 110. I-11-103. 'Uz-rosz 17'.
291426. No. 110. I-11-104. 'Uz-rosz M8'.
291427. No. 110. I-11-105. 'Uz-rosz M9'.
291428. No. 110. I-11-106. 'Uz-rosz M26'.
291429. No. 110. I-11-107. 'Uz-rosz M30'.
291430. No. 110. I-11-108. 'Uz-rosz M38'.
291431. No. 110. I-11-109. 'Uz-rosz 72'.
291432. No. 110. I-11-110. 'Uz-rosz 269'.
291433. No. 110. I-11-112. 'Uz-rosz 2741'.
291434. No. 110. I-11-113. 'Uz-rosz 2832'.
291435. No. 110. I-11-115. 'Szort 3810'.
291436. No. 110. I-11-116. 'Feher Szkomsz'.
291437. No. 110. I-11-117. 'Grunzsulinszkij'.
291438. No. 110. I-11-118. 'Kirman'.
291439. No. 110. I-11-119. 'Uzbegi Tajfajta'.
291440. No. 110. I-11-120. 'Kendzo'.
291441. No. 110. I-11-122. 'Arpa'.
291442. No. 110. I-11-123. 'Dunghan Shali'.
291443. No. 110. I-11-124. 'Szevernuj B-101'.
291444. No. 110. I-11-126. L.K.V.R.
291445. No. 110. I-11-127. 'Zolotje Vszhodu'.
291446. No. 110. I-11-128. 'Ooba 674'.
291447. No. 110. I-11-129. 'Szantacheszkij 52'.
291448. No. 110. I-11-130. 'Zaravsanszkij 238'.
291449. No. 110. I-11-131. 'Dubovszki 129'.
291450. No. 110. I-11-132. 'Vrosz 213'.
291451. No. 110. I-11-133. 'Krasznodari 3352'.
291452. No. 110. I-11-136. 'Kirmizi'.
291453. No. 110. I-11-138. 'Kraszno Armejszkij 313'.
291454. No. 110. I-11-139. 'Dvrosz 215'.
291455. No. 110. I-11-141. 'Karasalszkij 86'.
291456. No. 110. I-11-142. 'Szocene'.
291457. No. 110. I-11-143. 'Kara-Shali'.
291458. No. 110. I-11-144. 'Pervomajszkij'.
291459. No. 119. I-11-145. 'Csornuj'.

291400 to 291547—Continued

291460. No. 110. I-11-147. 'Kzul-Shali'.
291461. No. 110. I-11-149. U.S.A.
291462. No. 110. I-11-150. 'Pioneer 320'.
291463. No. 110. I-11-204. 'Maratelli'.
291464. No. 110. I-11-210. 'Arborio'.
291465. No. 110. I-11-214. 'Razza 77'.
291466. No. 110. I-11-219. 'Stirpe 136'.
291467. No. 110. I-11-223. 'Balilla'.
291468. No. 110. I-11-226. 'Lomello'.
291469. No. 110. I-11-228. 'Rancarolo'.
291470. No. 110. I-11-229. 'Sesia'.
291471. No. 110. I-11-230. 'Ardizzone'.
291472. No. 110. I-11-231. 'Precoce Rossi'.
291473. No. 110. I-11-232. 'Precoce Corbetta'.
291474. No. 110. I-11-233. 'Stirpe 82'.
291475. No. 110. I-11-234. 'Christata'.
291476. No. 110. I-11-235. 'Bordigae Piacce Bertone'.
291477. No. 110. I-11-236. 'Allorio Norin'.
291478. No. 110. I-11-237. 'Italica Livorno'.
291479. No. 110. I-11-306. 'Si-sou-baj-tao'.
291480. No. 110. I-11-309. 'Nan-te-chao'.
291481. No. 110. I-11-310. 'Cin-szen 5'.
291482. No. 110. I-11-311. 'Szin-ja'.
291483. No. 110. I-11-313. 'Szi-jao 525'.
291484. No. 110. I-11-315. 'Tschan-Tzun-Uman'.
291485. No. 110. I-11-316. Nr. 13.
291486. No. 110. I-11-317. 'Tzjao-Bu-Zschi'.
291487. No. 110. I-11-318. 'Kuo-Kwang'.
291488. No. 110. I-11-319. 'Ching-su No. 5'.
291489. No. 110. I-11-339. 'Cs-he-jao No. 1'.
291490. No. 110. I-11-340. 'Legjobb Bej-Haj-tao'.
291491. No. 110. I-11-341. 'Gun-lu'.
291492. No. 110. I-11-353. No. 503.
291493. No. 110. I-11-354. 'Fen-szjan-Uman'.
291494. No. 110. I-11-356. 'Bej-haj'.
291495. No. 110. I-11-358. 'He-tao No. 4'.
291496. No. 110. I-11-402. 'Ambemohor 102'.
291497. No. 110. I-11-404. 'Early Kolpi 70'.
291498. No. 110. I-11-405. 'Late Sutarsar'.
291499. No. 110. I-11-406. 'Early Sutarsar'.
291500. No. 110. I-11-407. 'Sukhwel'.
291501. No. 100. I-11-503. 'Kuhei 2'.
291502. No. 110. I-11-504. 'Fukoku'.
291503. No. 110. I-11-509. 'Haya-Norin'.

291400 to 291547—Continued

291504. No. 110. I-11-510. 'Fuzisaka 1'.
291505. No. 110. I-11-511. 'Fuzisaka 2'.
291506. No. 110. I-11-512. 'Fuzisaka 3'.
291507. No. 110. I-11-517. 'Norin 19'.
291508. No. 110. I-11-518. 'Norin 20'.
291509. No. 110. I-11-519. 'Norin 28'.
291510. No. 110. I-11-520. 'Norin 33'.
291511. No. 110. I-11-522. 'Wase Shiroge'.
291512. No. 110. I-11-523. 'Akage'.
291513. No. 110. I-11-524. 'Hakkoda'.
291514. No. 110. I-11-525. 'Hashirbozu'.
291515. No. 110. I-11-526. 'Hatsunishiki'.
291516. No. 110. I-11-601. 'Agostano'.
291517. No. 110. I-11-602. 'Zerowshani'.
291518. No. 110. I-11-603. 'Linea 45'.
291519. No. 110. I-11-604. 'Linea 54'.
291520. No. 110. I-11-605. 'Linea 70'.
291521. No. 110. I-11-608. 'Nano-Vialone'.
291522. No. 110. I-11-609. 'Stejaru 45'.
291523. No. 110. I-11-610. 'Stejaru 65'.
291524. No. 110. I-11-611. 'Stejaru 68'.
291525. No. 110. I-11-612. 'Precoce Allorio'.
291526. No. 110. I-11-613. 'Romanica'.
291527. No. 110. I-11-614. 'Banloc'.
291528. No. 110. I-11-653. 'Stirpe 136-71'.
291529. No. 110. I-11-654. 'Bellardone'.
291530. No. 110. I-11-656. 'Isikri-Shiroke'.
291531. No. 110. I-11-660. 'Iko'.
291532. No. 110. I-11-662. 'Panoja 1'.
291533. No. 110. I-11-701. 'Bulgar Tajfajta'.
291534. No. 110. I-11-702. 'Pembe'.
291535. No. 110. I-11-704. 'Pembe 62'.
291536. No. 110. I-11-705. 'Krisztoszka II-15-A'.
291537. No. 110. I-11-706. 'Krisztoszka I-6-B'.
291538. No. 110. I-11-707. 'Allorio'.
291539. No. 110. I-11-851. 'Lusitano'.
291540. No. 110. I-11-852. 'Arroz-da-Terra'.
291541. No. 110. I-11-854. 'Laboratorio 3'.
291542. No. 110. I-11-856. 'P-6 Africana'.
291543. No. 110. I-11-865. 'Alorna'.
291544. No. 110. I-11-873. 'Cano'.
291545. No. 110. I-11-875. 'Ostiglia'.
291546. No. 110. I-11-876. 'Laboratorio 5'.
291547. No. 110. I-11-878. 'Galhardo'.

291548 to 291551. TRIFOLIUM ALEXANDRINUM L. Fabaceae. Berseem.

From the United States. Seeds presented by the Rudy-Patrick Seed Company, Kansas City, Mo. Numbered June 6, 1963.

291548. 'Hustler'. From Israel via California.

291549. 'Musquawi'. From Morocco, 1961.

291550. 'Musquawi'. From Tunisia, 1961.

291551. 'Nile'. From California. Developed primarily by recurrent selections. Named December 1962.

291552 to 291554. TRIFOLIUM GLOMERATUM L. Fabaceae. Cluster clover.

From the United States. Seeds held by the Forage and Range Research Branch, Plant Industry Station, Beltsville, Md. Numbered June 6, 1963.

291552. F.C. 23582. From Mississippi State College, Starkville. Received January 1949.

291553. F.C. 23750. From Agricultural Experiment Station, Poplarville, Miss. Received September 1949.

291554. F.C. 36179. From C. Blount, Poplarville, Miss. Received February 1961.

291555. SETARIA SPHACELATA (Schum.) Stapf & Hubbard ex M. B. Moss Poaceae.

From the Ivory Coast. Stolons presented by the Institut d'Enseignement et de Recherches Tropicales, Abidjan. Received March 28, 1963. Numbered June 6, 1963.

No. A-14 (04).

291556 to 291561.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received June 7, 1963.

291556 to 291558. *ACHYRANTHES ASPERA* L. Amaranthaceae.

291556. No. 1. Delhi.

291557. No. 2. Delhi.

291558. No. 3. Delhi.

291559. *MIMUSOPS HEXANDRA* Roxb. Sapotaceae.

'Khirmi'. Delhi market.

291560. *PHYSALIS IXOCARPA* Brot. ex Hornem. Solanaceae. Tomatillo.

291561. *PHYSALIS PERUVIANA* L. Peruvian groundcherry.

291562 to 291564.

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received June 7, 1963.

291562. *PHOENIX ZEYLANICA* Trimen Phoenicaceae. Ceylon date palm.

291563 and 291564. *PHOENIX PUSILLA* Gaertn.

291563. No. 1.

291564. No. 2.

291565 to 291567. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.

From the United Arab Republic (Egypt). Seeds presented by the United States Embassy, Cairo. Received June 7, 1963.

All are No. 812. From Beba, west bank of Nile, Upper Egypt; originally from the Netherlands. Snowball type. Brown rot resistant.

291565. No. 1203-1. From one plant.

291566. No. 1203-2. From one plant.

291567. No. 1203-3. From one plant.

291568 to 291574.

From Australia. Seeds presented by the Botanic Garden, King's Park, Perth. Received June 7, 1963.

291568. GREVILLEA EXCELSIOR Diels Proteaceae.

Pinelike tree to 12 feet high; flowers flame orange, in spikes to 8 inches long, spring. Thrives best in pH 5 sandy-gravel soil, open location, high winter rainfall.

291569. GREVILLEA WILSONII A. Cunn.

Forest shrub to 3 feet high and 5 feet in diameter, capable of suckering after burnover; flowers dark red, in fuchsialike bunches; flowering season long, spring to summer. Thrives best in gravel laterite with heavy winter rainfall.

291570. HOVEA TRISPERMA Benth. Fabaceae.

Loosely spreading coastal forest shrub to 18 inches high, sometimes regenerating from root stump at ground level. Thrives best in gravel soil with heavy winter rainfall.

291571. MELALEUCA STEDMANII C. A. Gardn. Myrtaceae.

Shrub to 3 feet high; flowers brilliant scarlet bottlebrushes. Thrives on hard gravel with high winter rainfall.

291572. VERTICORDIA GRANDIS Drumm. Myrtaceae.

Bushy shrub to 6 feet high, flowering almost continuously. Thrives in sand on gravel; suckers from ground level after firing and flowers quickly after dry conditions. Cuttings root.

291573. XYLOMELUM ANGUSTIFOLIUM Kipp. ex Meissn. Proteaceae.

New leaves after burnover are poisonous to livestock.

291574. XYLOMELUM OCCIDENTALE R. Br.

Tree to 15 feet high, thrives in foothills, gravel soil, heavy rainfall.

291575 to 291594.

From Rhodesia. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received June 1963.

291575. CYNODON BRADLEYI Stent Poaceae.

Col. No. 51-336. 'Bradley'. Federal Ministry of Agriculture Experiment Station, Salisbury. Turf type. June 1963.

291576 to 291587. CYNODON DACTYLON (L.) Pers. **Bermudagrass.**

Federal Ministry of Agriculture Experiment Station, Salisbury.

291576. Col. No. 50-319. From a black soil about 7 miles from Salisbury. May 1963.

291577. Col. No. 50-320. From a red soil about 7 miles from Salisbury. May 1963.

291578. Col. No. 50-321. From a dry, red clay soil. May 1963.

291575 to 291594—Continued

291579. Col. No. 50-322. From the campus of the University of Rhodesia and Nyasaland, Mt. Pleasant. May 1963.
291580. Col. No. 51-326. 'Elliot'. Turf type.
291581. Col. No. 51-329. 'Uganda'. Turf type.
291582. Col. No. 51-330. 'Skaaplaas'. Turf type. June 1963.
291583. Col. No. 51-332. 'Australian Evergreen'. Turf type. June 1963.
291584. Col. No. 51-333. 'Maadi River'. Turf type. June 1963.
291585. Col. No. 51-334. 'Hall's Improved'. Turf type. June 1963.
291586. Col. No. 51-335. 'Sauerman's'. Turf type. June 1963.
291587. Col. No. 51-338. 'Harrismith'. Turf type. June 1963.
- 291588.** *CYNODON DACTYLON* var. *DENSUS* Hurcombe
Col. No. 51-337. 'Royal Cape'. Federal Ministry of Agriculture Experiment Station, Salisbury. Turf type. June 1963.
- 291589 and 291590.** *CYNODON MAGENNISHI* Hurcombe
Federal Ministry of Agriculture Experiment Station, Salisbury.
291589. Col. No. 51-327. Turf type. June 1963.
291590. Col. No. 51-331. Turf type. June 1963.
- 291591.** *CYNODON TRANSVAALENSIS* Burt-Davy Poaceae.
Col. No. 51-328. 'Florida'. Federal Ministry of Agriculture Experiment Station, Salisbury. Turf type. June 1963.
- 291592.** *CYNODON* sp. Poaceae.
Col. No. 50-323. 'Australian Evergreen'. Federal Ministry of Agriculture Experiment Station, Salisbury. Type 1, turf type. May 1963.
- 291593.** *CYNODON* sp.
Col. No. 50-324. 'Australian Evergreen'. Federal Ministry of Agriculture Experiment Station, Salisbury. Type 2, turf type. May 1963.
- 291594.** *STENOTAPHRUM SECUNDATUM* (Walt.) Kuntze Poaceae.
St. Augustine grass.
Col. No. 51-339. Federal Ministry of Agriculture Experiment Station, Salisbury. June 1963.
- 291595.** *JUNIPERUS COMMUNIS* f. *SUECICA* (Mill.) Beissner Pinaceae.
From Canada. Grafts presented by the Sheridan Nurseries Limited, Oakville, Ontario. Received June 10, 1963.
'Pencil Point'.
- 291596.** *ANNONA CHERIMOLA* Mill. Annonaceae. **Cherimoya.**
From Ecuador. Cuttings presented by Enrique Malo, Cuenca. Received June 13, 1963.
From an old neglected tree in the private orchard of ex-President Don Luis Cordero, Hacienda Shumir, Paute Valley, east of Cuenca, on the headwaters of the Amazon. Elevation 2,200 meters. Fruit reportedly of good size and excellent quality. Variety 'Fruta Prohibida'. Reportedly cold hardy.
- 291597.** *CYNODON* sp. Poaceae.
From Rhodesia. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater, Okla. Received June 13, 1963.
Col. No. 52-340. Presented by J. R. James, Salisbury, Northern Rhodesia. Growing on a very sandy soil. June 1963.

291598 and 291599.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 13, 1963.

291598. *DESMODIUM UNCINATUM* (Jacq.) DC. Fabaceae.

C.P.I. 8990.

291599. *PASPALUM ROJASII* Hack. Poaceae.

C.P.I. 20324.

291600. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

From Argentina. Seeds presented by the Universidad Nacional del Sur, Bahia Blanca, through the University of California, Davis. Received June 13, 1963.

Cultivated in Argentina for many years for spice.

291601 to 291606. GOSSYPIUM (hybrids). Malvaceae.

From Syria. Seeds presented by the Ford Foundation, University of Aleppo, Aleppo. Received June 13, 1963.

'Palmyra' selfed seeds.

291601. No. 27-58-1.

291604. No. 55-2-1.

291602. No. 29-58-4.

291605. No. 70-1-43.

291603. No. 55-1-2.

291606. No. 73-1-2.

291607. HIBISCUS ROSTELLATUS Guill. & Perr. Malvaceae.

From Portugal. Seeds presented by the Campanhia Uniao Fabril, Lisbon. Received June 13, 1963.

291608. ORYZA SATIVA L. Poaceae. Rice.

From Bolivia. Seeds collected and presented by H. A. Kramer, Market Quality Research Service, Plant Industry Station, Beltsville, Md. Received June 13, 1963.

Portachuelo, Gutierrez Prov.

291609 to 291625.

From the Republic of South Africa. Seeds collected and presented by W. W. Huffine, Oklahoma State University, Stillwater. Received June 13, 1963.

291609 to 291618. *CYNODON DACTYLON* (L.) Pers. Poaceae. **Bermudagrass.**

291609. Col. No. 37-208. Poor, hard, red sandy-loam, Willow Park, Pretoria. Elevation 4,500 feet. Runners to 6 feet long.

291610. Col. No. 38-209. Rocky, sandy-loam roadside, 20 miles north of Kroonstad. Elevation 4,800 feet.

291611. Col. No. 39-212. Dry, sandy savannah 7 miles east of Oden-daalsrust, Welkom road intersection. Elevation 4,900 feet.

291612. Col. No. 39-213. Dry, sandy-loam soil 1 mile southwest of Wesselsbron. Elevation 4,700 feet.

291613. Col. No. 39-214. Dry, sandy-loam soil 8 miles west of Oden-daalsrust. Elevation 4,800 feet. Plant tall, robust to fine, leafy.

291614. Col. No. 39-215. Dry, stony roadside 5 miles from Kroonstad. Elevation 5,000 feet. Plants abundant.

291615. Col. No. 40-218. Dry, sandy-loam grassland 2 miles north-east of Trompsburg. Elevation 4,850 feet.

291616. Col. No. 41-219. Fallow sandy-loam valley, Buffelsvlei. Elevation 4,100 feet. Plants robust.

291617. Col. No. 41-220. Fallow sandy-loam valley, Buffelsvlei. Elevation 4,100 feet. Plants to 4 feet high.

291609 to 291625—Continued

291618. Col. No. 42-227. Dry sandy-loam soil, 10 miles west of Winburg. Elevation 5,000 feet. Plants tall, medium-fine texture, leafy.

291619. CYNODON HIRSUTUS Stent

Col. No. 52-225. Clayey roadside eastern edge of Edenburg. Elevation 4,800 feet.

291620 to 291623. CYNODON INCOMPLETUS Nees

291620. Col. No. 40-216. Sandy-loam soil, rest area, 10 miles south of Bloemfontein. Elevation 4,850 feet.

291621. Col. No. 40-217. Dry, sandy-loam 4 miles from Reddersburg, road to Edenburg. Elevation 4,900 feet.

291622. Col. No. 41-221. Sandy-loam valley, Buffelsvlei. Elevation 4,100 feet.

291623. Col. No. 41-224. Sandy-clay soil, 37 miles southeast of Middleburg, near Compassberg. Elevation 6,200 feet. Annual rainfall about 11 inches.

291624. CYNODON TRANSVAALENSIS Burt-Davy

Col. No. 41-223. Very wet site northwest of Tafelberg dam. Elevation 4,100 feet.

291625. CYNODON sp.

Col. No. 39-211. Sandy-loam, 1 mile southwest of Wesselsbron. Plants low, forming dense mat, appearing rhizomatous.

291626 and 291627.

From Germany. Seeds presented by the Institute für Grundlandwirtschaft und Futterbau de Justus-Liebig-Universität, Giessen. Received June 13, 1963.

291626. *LATHYRUS PRATENSIS* L. Fabaceae.

Meadow peavine.

291627. *VICIA SEPIUM* L. Fabaceae.

291628 and 291629. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambey. Received June 13, 1963.

291628. No. 32-11. Pod small; testa grayish.

291629. No. 55-117. Pod small; testa light gray.

291630 to 291678. ORYZA SATIVA L. Poaceae.

Rice.

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Division of Genetics, Hiratsuka, Kanagawa. Received June 13, 1963.

	<i>Genetic stock No.</i>	<i>Variety</i>
291630.	1228.	'Chusei-shin-sembon'.
291631.	1229.	'Gin-ga'.
291632.	1230.	'Kogane-nishiki'.
291633.	1231.	'Kongo'.
291634.	1232.	'Ukon-nishiki'.
291635.	1233.	'Waka-ba'.
291636.	1234.	'Mutsu-hikari'.
291637.	1235.	'Oirase'.
291638.	1236.	'Ootori'.
291639.	1237.	'Towada'.
291640.	1238.	'Fuku-suke'.

291630 to 291678—Continued

291641.	1239.	'Ho-nen-wase'.
291642.	1240.	'Kogane-name'.
291643.	1241.	'Koshi-hikari'.
291644.	1245.	'Kinki 33'.
291645.	1246.	'Manryo'.
291646.	1247.	'Pi 2'.
291647.	1248.	'Pi 3'.
291648.	1249.	'Pi 4'.
291649.	1250.	'Eiko'.
291650.	1252.	'Kitaminori'.
291651.	1253.	'Kitamochi'.
291652.	1254.	'Nagaminori'.
291653.	1256.	'Norin 15'.
291654.	1257.	'Norin 34'.
291655.	1258.	'Toyohikari'.
291656.	1259.	'Yukimochi'.
291657.	1260.	'Bozu'.
291658.	1261.	'Mi-masari'.
291659.	1262.	'Shin-ei'.
291660.	1263.	'Shin-setsu'.
291661.	1264.	'Rikuto Hatakogane-Mochi 27'.
291662.	1267.	'Rikuto Norin 22'.
291663.	1268.	'Rikuto Norin-Mochi 3'.
291664.	1269.	'Rikuto Sekaiichi'.
291665.	1270.	'Minami-Hata-mochi'.
291666.	1271.	'Shin-Hakaburi'.
291667.	1272.	'Susono-mochi'.
291668.	1273.	'Kyoto-asahi'.
291669.	1274.	'Shira-tama'.
291670.	1277.	'Akibae'.
291671.	1278.	'Shioji'.
291672.	1280.	'Gin-masari'.
291673.	1281.	'Fo-nyaku-man-goku'.
291674.	1282.	'Shin 6'.
291675.	1284.	'Kanto 53'.
291676.	1285.	'Chikuma'.
291677.	1286.	'Fukuminori'.
291678.	1287.	'Yaeho'.

291679 to 291710.

From the United States. Seeds held by the Department of Agronomy and Soil Science, University of Hawaii, Honolulu. Numbered June 14, 1963.

291679 and 291680. *TRIFOLIUM BACCARINII* Chiov. Fabaceae.

291679. Hawaii Agr. Expt. Sta. No. 5088. C.P.I. 25343. Australia.

291680. Hawaii Agr. Expt. Sta. No. 5089. C.P.I. 25344. Australia.

291679 to 291710—Continued

- 291681 and 291682.** *TRIFOLIUM BURCHELLIANUM* Seringe
 291681. Hawaii Agr. Expt. Sta. No. 5086. B/58/75.
 291682. Hawaii Agr. Expt. Sta. No. 5090. C.P.I. 24132. Australia.
- 291683.** *TRIFOLIUM BURCHELLIANUM* var. *JOHNSTONII* (Oliv.) Gillett
 Hawaii Agr. Expt. Sta. No. 5055. K576. Kitale, Kenya.
- 291684 and 291685.** *TRIFOLIUM CHERANGANIENSE* Gillett
 291684. Hawaii Agr. Expt. Sta. No. 4909. K50112. Bogdan, Kenya.
 291685. Hawaii Agr. Expt. Sta. No. 5103. C.P.I. 22164. Australia.
- 291686 and 291687.** *TRIFOLIUM MASAIENSE* Gillett
 291686. Hawaii Agr. Expt. Sta. No. 5081. K54260. Grasslands Res. Sta., Kitale, Kenya.
 291687. Hawaii Agr. Expt. Sta. No. 5091. C.P.I. 25345. Australia.
- 291688.** *TRIFOLIUM POLYSTACHYUM* Fres.
 Hawaii Agr. Expt. Sta. No. 5056. K561. Grasslands Res. Sta., Kitale, Kenya.
- 291689.** *TRIFOLIUM PSEUDOSTRIATUM* E. G. Baker
 Hawaii Agr. Expt. Sta. No. 5093. C.P.I. 25372. Australia.
- 291690 to 291695.** *TRIFOLIUM RUEPPELLIANUM* Fresen.
 291690. Hawaii Agr. Expt. Sta. No. 4908. K53866. Bogdan, Kenya.
 291691. Hawaii Agr. Expt. Sta. No. 5084. Stewart, Ethiopia.
 291692. Hawaii Agr. Expt. Sta. No. 5092. C.P.I. 20744. Australia.
 291693. Hawaii Agr. Expt. Sta. No. 5094. C.P.I. 27217. Australia.
 291694. Hawaii Agr. Expt. Sta. No. 5095. C.P.I. 25346. Australia.
 291695. Hawaii Agr. Expt. Sta. No. 5097. C.P.I. 24977. Australia.
- 291696.** *TRIFOLIUM RUEPPELLIANUM* var. *LANCEOLATUM* Gillett
 Hawaii Agr. Expt. Sta. No. 5096. C.P.I. 24977. Australia.
- 291697.** *TRIFOLIUM SEMIPILOSUM* Fresen.
 Hawaii Agr. Expt. Sta. No. 4910. K5154. Bogdan, Kenya.
- 291698.** *TRIFOLIUM SEMIPILOSUM* var. *GLABRESCENS* Gillett
 Hawaii Agr. Expt. Sta. No. 5098. C.P.I. 27218. Australia.
- 291699.** *TRIFOLIUM STEUDNERI* Schweinf.
 Hawaii Agr. Expt. Sta. No. 5082. K51110. Grasslands Res. Sta., Kitale, Kenya.
- 291700 to 291704.** *TRIFOLIUM SUBTERRANEUM* L. **Subterranean clover.**
 291700. Hawaii Agr. Expt. Sta. No. 5115. Perth, Australia.
 291701. Hawaii Agr. Expt. Sta. No. 5116. N2830. Perth, Australia.
 291702. Hawaii Agr. Expt. Sta. No. 5117. Australia.
 291703. Hawaii Agr. Expt. Sta. No. 5118. Australia.
 291704. Hawaii Agr. Expt. Sta. No. 5119. Australia.
- 291705 to 291708.** *TRIFOLIUM TEMBENSE* Fres.
 291705. Hawaii Agr. Expt. Sta. No. 5083. K53966. Grasslands Res. Sta., Kitale, Kenya.
 291706. Hawaii Agr. Expt. Sta. No. 5099. C.P.I. 24978. Australia.
 291707. Hawaii Agr. Expt. Sta. No. 5100. C.P.I. 20746. Australia.
 291708. Hawaii Agr. Expt. Sta. No. 5101. C.P.I. 25349. Australia.

291679 to 291710—Continued

291709 and 291710. TRIFOLIUM USAMBARENSE Taub.

291709. Hawaii Agr. Expt. Sta. No. 4911. K5381A. Bogdan, Kenya.

291710. Hawaii Agr. Expt. Sta. No. 5102. C.P.I. 22165. Australia.

291711 to 291756.

From the Republic of South Africa. Seeds collected and presented by W. W. Huffine, University of Oklahoma, Stillwater. Received June 17, 1963.

291711 to 291750. CYNODON DACTYLON (L.) Pers. Poaceae. **Bermudagrass.**

291711 to 291745. From plots on Rietondale Agricultural Experiment Station, Pretoria. Elevation 4,400 feet. Original sources as indicated.

- 291711.** Col. No. 46-271. Plot 1. Hammanskraal.
- 291712.** Col. No. 46-272. Plot 2. Boekonhoutspruit.
- 291713.** Col. No. 46-273. Plot 3. Boekonhoutspruit.
- 291714.** Col. No. 46-274. Plot 4. Hammanskraal.
- 291715.** Col. No. 46-275. Plot 5. Boekonhoutspruit.
- 291716.** Col. No. 46-276. Plot 6. Hammanskraal.
- 291717.** Col. No. 46-277. Plot 7. Boekonhoutspruit.
- 291718.** Col. No. 46-278. Plot 8. Hammanskraal.
- 291719.** Col. No. 46-279. Plot 9. Hammanskraal.
- 291720.** Col. No. 46-280. Plot 10. Hammanskraal.
- 291721.** Col. No. 46-282. Plot 12. Bospoort.
- 291722.** Col. No. 46-283. Plot 14. Boesmanskop.
- 291723.** Col. No. 46-284. Plot 15. Westphalia Estate.
- 291724.** Col. No. 46-285. Plot 16. Munnik.
- 291725.** Col. No. 46-286. Plot 19. Boesmanskop, OVS.
- 291726.** Col. No. 46-287. Plot 23. Hebron.
- 291727.** Col. No. 46-288. Plot 25. Rosslyn, Pretoria District.
- 291728.** Col. No. 46-290. Plot 31. Hoopstad.
- 291729.** Col. No. 46-291. Plot 32. Hammanskraal.
- 291730.** Col. No. 46-292. Plot 84. Devon, Transvaal.
- 291731.** Col. No. 46-293. Plot 46. Ermelo.
- 291732.** Col. No. 46-294. Plot 118. Muden, Natal.
- 291733.** Col. No. 46-295. Plot 122. Richards Bay, Natal.
- 291734.** Col. No. 46-296. Plot 130. Danuhauser, Natal.
- 291735.** Col. No. 46-297. Plot 149. Farm Dassiesklip, Rustenburg.
- 291736.** Col. No. 46-298. Plot 153. Piketberg, Cape Province.
- 291737.** Col. No. 46-299. Plot 154. Graafwater, Cape Province.
- 291738.** Col. No. 46-300. Plot 155. Langebaan, Cape Province.
- 291739.** Col. No. 46-301. Plot 156. Grootpan, West Transvaal.
- 291740.** Col. No. 46-302. Plot 158. Violsdrif.
- 291741.** Col. No. 46-303. Plot 159. Bandolierkop, Transvaal.
- 291742.** Col. No. 46-304. Plot 160. Springbok.
- 291743.** Col. No. 46-305. Plot 161. Levubu, Transvaal.
- 291744.** Col. No. 46-306. Plot 164. Vryburg, Natal.
- 291745.** Col. No. 46-307. Plot 165. Cape Province.

291711 to 291756—Continued

291746. Col. No. 46-310. Sloping, sandy-loam between Pretoria and East Lynn.
291747. Col. No. 47-312. Shaley, sandy-loam between Pretoria and East Lynn.
291748. Col. No. 48-314. Several types.
291749. Col. No. 48-315. Horticultural Research Station, Pretoria. Elevation 4,200 feet.
291750. Col. No. 48-316. Horticultural Research Station, Pretoria. Elevation 4,200 feet.
- 291751 to 291753. CYNODON HIRSUTUS Stent**
291751. Col. No. 47-309. Pienaar Dam, northeast of Pretoria.
291752. Col. No. 47-311. Near gate of Horticultural Research Institute, Pretoria.
291753. Col. No. 48-313. On hill northeast of Horticultural Research Institute, Pretoria. Elevation 4,200 feet.
- 291754. CYNODON PLECTOSTACHYUS (K. Schum.) Pilg. Stargrass.**
Col. No. 48-317. Horticultural Research Institute, Pretoria.
- 291755. CYNODON sp.**
Col. No. 46-289. Two types, one is low growing. No location given.
- 291756. CYNODON sp.**
Col. No. 47-308. Rietvlei Agricultural Research Station, Pretoria. Elevation 4,500 feet.

291757 to 291759.

From Great Britain. Plant presented by the Royal Botanic Garden, Edinburgh, Scotland. Received June 17, 1963.

291757. ARGYREIA HIRSUTA Wight & Arn. Convolvulaceae.
291758. CLYTOSTOMA BINATUM (Thunb.) Sandwith Bignoniaceae.
291759. IMPATIENS TINCTORIA A. Rich. Impatiensaceae.

291760 to 291763.

From Great Britain. Plants purchased from Charlesworth & Company, Limited, Haywards Heath, Sussex, England. Received June 17, 1963.

291760. × ODONTIODA (hybrid). Orchidaceae.
'Lyoth Emperor'. *Odontioda* × *Cochlioda*.
291761. × ODONTIODA (hybrid). Orchidaceae.
'Loth Tyne'. *Odontioda* × *Cochlioda*.
291762. ODONTOGLOSSUM (hybrid). Orchidaceae.
'Lyoth Galaxy'.
291763. ODONTOGLOSSUM (hybrid). Orchidaceae.
'Millenium'.

291764 to 291928.

From the United States. Seeds held by the Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered June 18, 1963.

- 291764 to 291768. TRIFOLIUM ALEXANDRINUM L. Fabaceae. Berseem.**
291764. No. 1. 'Miskawi'. From Santiago, Chile, February 1920.
291765. No. 8. Italian strain "A". College Park, Md.
291766. No. 9. Italian strain "C". College Park, Md.
291767. No. 10. Italian strain "LP". College Park, Md.

291764 to 291928—Continued

291768. No. 11. FAO No. 9329. Originally from Giza, Egypt, June 1961.
291769. *TRIFOLIUM AMABILE* HBK.
No. 3. University of New Hampshire, November 1958.
291770. *TRIFOLIUM AMBIGUUM* Bieb. **Kura clover.**
No. 150. Beltsville, Md., 1955, Iowa origin.
- 291771 and 291772. *TRIFOLIUM AMPHIANTHUM* Torr. & Gray
291771. No. 4. Neches River bottom, Trinity County, Tex., May 1961.
291772. No. 5. Neches River bottom, Trinity County, Tex., May 1961.
- 291773 and 291774. *TRIFOLIUM CAMPESTRE* Schreb. **Large hopclover.**
291773. No. 12. U. S. Region Pasture Lab., University Park, Pa.; T112, originally from Israel.
291774. No. 158. 'Big Yellow Hop Clover'. Purchased from Keller Seed Co., Shawnee, Okla., September 1954.
291775. *TRIFOLIUM CARMELII* Boiss.
No. 159. University of Kentucky S-89-1.
- 291776 and 291777. *TRIFOLIUM CAROLINIANUM* Michx.
291776. No. 6. Florida roadside, 1941.
291777. No. 13. New Hampshire, 1958; via Florida.
291778. *TRIFOLIUM CERNUUM* Brot.
No. 7. From Melbourne, Australia. Commercial lot.
291779. *TRIFOLIUM CHILENSE* Hook. & Arn.
No. 15. From Chile, August 1959.
291780. *TRIFOLIUM CLYPEATUM* L.
No. 14. U.S. Region Pasture Lab., University Park, Pa.; T114, originally from Israel.
291781. *TRIFOLIUM DEPAUPERATUM* Desv.
No. 15. From Chile, August 1959.
291782. *TRIFOLIUM DUBIUM* Sibth. **Small hopclover.**
No. 153. 'Small Hop Clover'. New Jersey, November 1960; from New Zealand.
- 291783 and 291784. *TRIFOLIUM FENDLERI* Greene
291783. No. 17. SCS Bismark, N. Dak.; via Albuquerque, N. Mex., July 1958.
291784. No. 18. SCS Bismark, N. Dak.; via Albuquerque, N. Mex., July 1958.
291785. *TRIFOLIUM FILIFORME* L.
No. 137. New Hampshire.
291786. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
No. 156. From Melbourne, Australia, March 1953.
- 291787 and 291788. *TRIFOLIUM GLOMERATUM* L. **Cluster clover.**
291787. No. 138. Beltsville, Md., 1957, via Mississippi.
291788. No. 154. State College, Miss., January 1949.
291789. *TRIFOLIUM GYMNOCARPON* Nutt.
No. 136. Wyoming, June 1958.
- 291790 to 291792. *TRIFOLIUM HYBRIDUM* L. **Alsike clover.**

291764 to 291928—Continued

291790. No. 33. Finland, Oct., 1961, JOTAA4, tetraploid.
291791. No. 37. 'Tetra Alsike'. From Sweden, February 1960.
291792. No. 43. Hg 1064. College Park, Md., May 1960.
291793. TRIFOLIUM LAPPACEUM L. **Lappa clover.**
No. 139. Alabama. Commercial lot.
291794. TRIFOLIUM LONGIPES Nutt. & Gray
No. 19. Irrigation Expt. Sta., Pullman, Wash., April 1961.
291795. TRIFOLIUM LUPINASTER L.
No. 20. SCS Plant Mater Center, Bridger, Mont., NDL-66A, August 1961.
291796. TRIFOLIUM MEDIUM Huds.
No. 21. Dover, N.H., 1957.
- 291797 and 291798. TRIFOLIUM MEGALANTHUM Steud.
291797. No. 22. From Chile, August 1959.
291798. No. 23. From Chile, August 1959.
291799. TRIFOLIUM MICROCEPHALUM Pursh
No. 160. University of Kentucky, S-54-1.
291800. TRIFOLIUM NIGRESCENS Viv.
No. 157. SCS, Thorsby, Ala., November 1953.
291801. TRIFOLIUM PARVIFLORUM Ehrh.
No. 25. Beltsville, Md.; originally from Greece, 1951.
- 291802 and 291803. TRIFOLIUM VARIEGATUM Nutt.
291802. No. 129. San Joaquin Valley, Calif., May 1951.
291803. No. 130. Squaw Butte-Harney Expt. Sta., Burns, Oreg., January 1959.
291804. TRIFOLIUM PHLEOIDES Pourr.
No. 24. U.S. Region Pasture Lab., University Park, Pa., via Durham, N.H.
291805. TRIFOLIUM POLYMORPHUM Poir.
No. 26. From Uruguay.
- 291806 to 291823. TRIFOLIUM PRATENSE L. **Red clover.**
291806. No. 28. From Seed Imp. Sta., Eskisehir, Turkey, No. 1-26.
291807. No. 29. 'Jotpai', tetraploid. From Finland, October 1961.
291808. No. 30. 'Ulva', tetraploid. From Finland, October 1961.
291809. No. 31. 'Jokioinen', diploid. From Finland, October 1961.
291810. No. 32. 'Hakonen', diploid. From Finland, October 1961.
291811. No. 34. 'Ulva', tetraploid. From Canada, May 1959.
291812. No. 35. 'Weibull's R28', tetraploid. From Sweden, February 1960.
291813. No. 36. 'Weibull's Resistant'. From Sweden, February 1960.
291814. No. 38. 'Offer'. From Sweden, April 1960.
291815. No. 39. 'Hongsfors'. From Sweden, April 1960.
291816. No. 40. 'Ultuna'. From Sweden, May 1960.
291817. No. 41. 'Skultuna'. From Sweden, April 1960.
291818. No. 42. Hg3018. College Park, Md., May 1960.

291764 to 291928—Continued

291819. No. 44. 'Kastrask'. From Sweden, July 1960.
291820. No. 45. 'Ulva'. From Sweden, April 1961.
291821. No. 46. Tv059. From Sweden, April 1961.
291822. No. 47. Tv065. From Sweden, April 1961.
291823. No. 151. 'Tammisto'. From Finland, March 1961.
291824. TRIFOLIUM PURPUREUM Loisel.
No. 27. U.S. Pasture Lab., University Park, Pa.; T113, Israel origin.
291825. TRIFOLIUM REFLEXUM L.
No. 48. New Hampshire, via Texas.
- 291826 to 291850. TRIFOLIUM REPENS L. Whiteclover.
291826. No. 49. From Chile, August 1959.
291827. No. 50. From Chile, August 1959.
291828. No. 51. From Chile, August 1959.
291829. No. 52. 'Canadian Ladino'. From U. of Saskatoon, Sask., Canada, May 1956.
291830. No. 53. 'Pajbjerg Milka'. From Denmark, May 1956.
291831. No. 54. 'Milka'. From Denmark, February 1961.
291832. No. 55. 'Lodi Otofte'. From Denmark, April 1961.
291833. No. 56. 'S100 Nomark'. From U. of Wales, Great Britain.
291834. No. 57. S100. From U. of Wales, Great Britain.
291835. No. 58. S184. From U. of Wales, Great Britain.
291836. No. 59. 'Kersey White'. FC 36241. From Natl. Inst. of Agr. Botany, Cambridge, England.
291837. No. 60. HM. College Park, Md.; originally from Italy.
291838. No. 61. No. 18. College Park, Md.; originally from Italy.
291839. No. 78. College Park, Md.; originally from Italy.
291840. No. 63. 'Weibull's Original Nora'. February 1960. FC 35351. From Sweden.
291841. No. 140. 'Garlanton'. From CSIRO, Canberra, Australia.
291842. No. 141. 'Namlesur'. From CSIRO, Canberra, Australia.
291843. No. 142. 'Maroochy R'. From CSIRO, Canberra, Australia.
291844. No. 143. 'Caboolture'. From CSIRO, Canberra, Australia.
291845. No. 144. 'Reeli'. From CSIRO, Canberra, Australia.
291846. No. 145. 'Redcliffe'. From CSIRO, Canberra, Australia.
291847. No. 146. 'Mankland'. From CSIRO, Canberra, Australia.
291848. No. 147. 'Sanford'. From CSIRO, Canberra, Australia.
291849. No. 148. 'Mary R'. From CSIRO, Canberra, Australia.
291850. No. 152. U. of Idaho, October 1955. Seeds purple.
291851. TRIFOLIUM RESUPINATUM L. Persian clover.
No. 2. 'Afghan Clover'. From Afghanistan, December 1960.
291852. TRIFOLIUM RIOGRANDENSE Burkart
No. 64. Originally from Brazil via Chile. Elevation 3,000 feet. Irrigated.
291853. TRIFOLIUM SEMIPILOSUM Fresen. Kenya clover.
No. 65. From Kenya, March 1958.

291764 to 291928—Continued

291854. TRIFOLIUM SPUMOSUM L.

No. 149. U.S. Pasture Lab., University Park, Pa.; T115, originally from Israel.

291855 to 291918. TRIFOLIUM SUBTERRANEUM L.

Subterranean clover.

291855. No. 66.	291886. No. 97.
291856. No. 67.	291887. No. 98.
291857. No. 68.	291888. No. 99.
291858. No. 69.	291889. No. 100.
291859. No. 70.	291890. No. 101.
291860. No. 71.	291891. No. 102.
291861. No. 72.	291892. No. 103.
291862. No. 73.	291893. No. 104.
291863. No. 74.	291894. No. 105.
291864. No. 75.	291895. No. 106.
291865. No. 76.	291896. No. 107.
291866. No. 77.	291897. No. 108.
291867. No. 78.	291898. No. 109.
291868. No. 79.	291899. No. 110.
291869. No. 80.	291900. No. 111.
291870. No. 81.	291901. No. 112.
291871. No. 82.	291902. No. 113.
291872. No. 83.	291903. No. 114.
291873. No. 84.	291904. No. 115.
291874. No. 85.	291905. No. 116.
291875. No. 86.	291906. No. 117.
291876. No. 87.	291907. No. 118.
291877. No. 88.	291908. No. 119.
291878. No. 89.	291909. No. 120.
291879. No. 90.	291910. No. 121.
291880. No. 91.	291911. No. 122.
291881. No. 92.	291912. No. 123.
291882. No. 93.	291913. No. 124.
291883. No. 94.	291914. No. 125.
291884. No. 95.	291915. No. 126.
291885. No. 96.	
291916. No. 127.	'Clare P.F. 3156'. From Chile, 1959.
291917. No. 128.	Selection Georgia Expt. Sta.
291918. No. 155.	Louisiana 1949, via Australia.

291919. TRIFOLIUM TRIDENTATUM Lindl.

No. 161. U. of Kentucky K-2330.

291920. TRIFOLIUM VERNUUM Phil.

No. 131. From Chile, August 1959.

291921. TRIFOLIUM VESICULOSUM Savi

Arrowleaf clover.

No. 132. Texas, August 1961.

291764 to 291928—Continued

291922 to 291924. TRIFOLIUM WILLDENOVII Spreng.

291922. No. 133. Wyoming, collected 1957.

291923. No. 134. Oregon, March 1959.

291924. No. 135. Oregon, March 1959.

291925. TRIFOLIUM sp.

No. 1001. From Chile, August 1959.

291926. TRIFOLIUM sp.

No. 1002. From Chile, August 1959.

291927. TRIFOLIUM sp.

No. 1003. From Chile, August 1959.

291928. TRIFOLIUM sp.

Selection from P.I. 234413; originally from Grasslands Research Station, Kitale, Kenya.

291929 to 291931.

From Ceylon. Seeds presented by the Royal Botanical Gardens, Peradeniya. Received June 19, 1963.

291929. PHOENIX ACAULIS Buch.-Ham. Phoenicaceae.

291930. PHOENIX CANARIENSIS Chabaud Canary date palm.

291931. PHOENIX RECLINATA Jacq. Senegal date palm.

291932 to 291937.

From Australia. Seeds presented by the King's Park and Botanic Garden, Perth. Received June 19, 1963.

291932. CLEMATIS PUBESCENS Benth. Ranunculaceae.

No. 588.

291933. HIBISCUS DRUMMONDII Turcz. Malvaceae.

No. 1794.

291934. HIBISCUS FARRAGEI F. Muell.

No. 1182.

291935. HIBISCUS HUEGELII Endl.

No. 1469.

291936. HIBISCUS HUEGELII var. WRAYAE (Lindl.) Benth.

No. 1760.

291937. HIBISCUS PINONIANUS Gaudich.

No. 1839.

291938 to 291952.

From Canada. Seeds presented by the Dominion Arboretum, Ottawa. Received June 19, 1963.

291938 and 291939. ILEX VERTICILLATA (L.) Gray Aquifoliaceae.
Common winterberry.

291938. Hamilton, Ontario.

291939. No. 11248. Northumberland Co., Colborne.

291940. MAGNOLIA ACUMINATA L. Magnoliaceae. Cucumbertree.
Hamilton, Ontario.

291941. NEMOPANTHES MUCRONATUS (L.) Druce Aquifoliaceae.

No. 12362. Borthwick Road, 4 miles east of Ramsayville, Ontario.

291938 to 291952—Continued

291942 and 291943. *VIBURNUM ACERIFOLIUM* Linn. Caprifoliaceae.

291942. Hamilton, Ontario.

291943. No. 12470. Forest edge 1.5 miles southeast of Port Frank, Highway 21. Shrub to 5 feet high.

291944. *VIBURNUM CASSINOIDES* L.

North side of Ramsay Lake, Catineau Co., Quebec.

291945. *VIBURNUM LANTANOIDES* Michx.

Open woods understory, west side of Harrington Lake, 15 miles northwest of Hull, Quebec. Shrub to 5 feet high.

291946 to 291949. *VIBURNUM LENTAGO* L.

291946. Hamilton, Ontario.

291947. Woods near Dow's Lake, Carleton, Ottawa.

291948. No. 12493. Roadside, Sugarloaf Point, 2 miles west of Port Colborne, Welland Co. Shrub to 8 feet high.

291949. No. 12541. Edge of wooded slope 1 mile north of Mallorytown Landing. Shrub to 15 feet high.

291950 and 291951. *VIBURNUM RAFINESQUIANUM* Schultes

291950. No. 7371. Shallow limestone soil, open deciduous woods, Cunningham Island, Ottawa River, Champlain Bridge area. Shrub to 6 feet high.

291951. No. 12373. Shallow limestone soil, 1 mile northeast of Harwood Plains, Carleton Co.

291952. *VIBURNUM TRILOBUM* Marsh.

No. 11249. Five miles north of Colborne, Northumberland Co.

291953 and 291954. *CYNODON DACTYLON* (L.) Pers. Poaceae.**Bermudagrass.**

From Zanzibar Island. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received June 26, 1963.

291953. Col. No. 60-363. Kizimbani Agricultural Experiment Station.

291954. Col. No. 60-364. Kizimbani Agricultural Experiment Station. Red stolons and culms.

291955 to 291981.

From Kenya. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received July 3, 1963.

291955 to 291978. *CYNODON DACTYLON* (L.) Pers. Poaceae. Bermudagrass.

291955. Col. No. 65-385. K-51405. Kitale.

291956. Col. No. 65-386. K-6224. Gilgil.

291958. Col. No. 65-388. K-52396. Madi River, South Africa.

291957. Col. No. 65-387. K-6235. Athi River.

291959. Col. No. 65-389. K-6225. Gilgil.

291960. Col. No. 65-390. K-51426. Kitale. Plants robust, leafy; no seed heads.

291961. Col. No. 65-391. K-504. 'Kitales Fine'. Turf type.

291962. Col. No. 65-392. K-59124.

291963. Col. No. 65-393. K-52392.

291964. Col. No. 65-395. 'Cape Royal'. South Africa.

291965. Col. No. 65-397. K-5997. Ethiopia. Turf type.

291955 to 291981—Continued

291966. Col. No. 65-398. K-59111. 'Tifgreen'.
291967. Col. No. 65-399. D3-61. Appears to be nonrhizomatous.
291968. Col. No. 65-400. K-614. Fort Hall.
291969. Col. No. 65-404. K-56357. Uganda.
291970. Col. No. 65-406. K-6035. 01 Joro-Orok.
291971. Col. No. 65-408. K-56361. Uganda. Plants very robust, leafy.
291972. Col. No. 65-410. K-56369. Uganda.
291973. Col. No. 65-412. K-6114. Kiambu. Plants robust, very leafy, hairy.
291974. Col. No. 65-415. K-53672.
291975. Col. No. 65-437. K-6233. Athi River.
291976. Col. No. 65-438. K-51449. Kitale.
291977. Col. No. 65-439. K-53655. Mombasa. Turf type.
291978. Col. No. 65-440. K-56371. Uganda.
291979. *CYNODON MAGENNISII* Hurcombe
Col. No. 65-396. K-52401. Turf type.
291980. *CYNODON* sp.
Col. No. 65-402. El-45.
291981. *CYNODON* sp.
Col. No. 65-394. K-5996. Ethiopia. Turf type.
- 291982 to 292038.**
- From Israel. Seeds presented by the Plant Introduction Service, Rehovoth.
Received July 3, 1963.
- 291982 to 291986. *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.
291982. 'Dixie Giant Improved'.
291983. 'Spanish Improved, Rehovot 33'.
291984. 'Virginia Improved'.
291985. 'Virginia Improved IV'.
291986. 'Virginia Red Rehovot'.
- 291987 and 291988. *ALLIUM CEPA* L. Liliaceae. Onion.
291987. 'Aichi Shiro'.
291988. 'Cyprus'.
291989. *AVENA BYZANTINA* Koch Poaceae.
'Metualith'.
- 291990 and 291991. *AVENA STRIGOSA* Schreb.
291990. 'Saia 2'.
291991. 'Saia 4'.
- 291992 to 291996. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower.
291992. 'Erfurtith'. 291995. 'Mishmar Ha'emek 314'.
291993. 'Gilboah'. 291996. 'Shulamith'.
291994. 'Glory of Beit Alpha'.
291997. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Broccoli.
'Kefar Giladi'.

291982 to 292038—Continued

291998. BRASSICA OLERACEA var. CAPITATA L. 'Giant of Hefer'.	Cabbage.
291999. CAPSICUM ANNUUM L. Solanaceae. 'Yellow Naharia'.	Pimento.
292000 to 292004. CARTHAMUS TINCTORIUS L. Asteraceae.	Safflower.
292000. No. 13. 23(1)8.	
292001. No. 17. 55(1).	
292002. No. 26.	
292003. No. 29.	
292004. Local.	
292005 and 292006. CICER ARIETINUM L. Fabaceae.	Chickpea.
292005. 'Bulgarian'.	
292006. 'Local Improved'.	
292007 to 292009. CUCUMIS MELO L. Cucurbitaceae.	Muskmelon.
292007. No. 1.	
292008. 'Ananas Yokneam'.	
292009. 'Dvash Ha'ogen'.	
292010 to 292012. CUCUMIS SATIVUS L.	Cucumber.
292010. 'Beit Alpha'.	
292011. 'Ben Shemen'.	
292012. 'Hermaphrodite Cucumber'.	
292013. CUCURBITA MOSCHATA Duchesne ex Poir. Cucurbitaceae.	Cushaw.
'Bakbuk'.	
292014. CUCURBITA PEPO L.	Pumpkin.
'White Bush Squash'.	
292015. HORDEUM sp. Poaceae.	
'B.M.C'.	
292016. HORDEUM sp.	
'Israeli 46'.	
292017. HORDEUM sp.	
'Israeli 246'.	
292018. HORDEUM sp.	
'Nissanith'.	
292019. HORDEUM sp.	
'Tunis'.	
292020. LACTUCA SATIVA L. Cichoriaceae.	Garden lettuce.
'Rinat Hakfar'. Head lettuce.	
292021 to 292025. LYCOPERSICON ESCULENTUM Mill. Solanaceae.	Tomato.
292021. 'De Marmande Improved Hazera'.	
292022. 'Eilon'.	
292023. 'Marmande'.	
292024. 'Rehovot 13'.	
292025. 'Tamar'.	
292026 to 292028. SESAMUM INDICUM L. Pedaliaceae.	Sesame.

291982 to 292038—Continued

292026. No. 45.

292027. No. 64-A.

292028. No. 101/7.

292029 and 292030. TRIFOLIUM ALEXANDRINUM L. Fabaceae. Berseem.

292029. 'Fahli'.

292030. 'Musgabi'.

292031 to 292038. TRITICUM DURUM Desf. Poaceae. Durum wheat.

292031. 'Abu Fashit'.

292032. 'Etith'.

292033. 'Etith Hazera 38'.

292034. 'Julpulith'.

292035. 'Nursith'.

292036. 'Nursith Hazera 150'.

292037. 'Nursith Hazera 163'.

292038. 'Zenati' × 'Bouteille'.

292039. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

From Mozambique. Seeds collected by W. W. Huffine, Oklahoma State University, Stillwater. Received July 8, 1963.

Col. No. 49-318. Sandy garden, Hotel Polana, Lourenco Marques.

Elevation 100 feet.

292040 to 292058.

From Rhodesia. Seeds collected by W. W. Huffine, Oklahoma State University, Stillwater. Received July 8, 1963.

292040. ANDROPTERUM VARIEGATUM Stapf in Prain Poaceae.

Col. No. 50-325. Forest edge, Chipata Mountain.

292041 to 292053. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

292041. Col. No. 53-341. Expt. Sta., Salisbury. Elevation 4,900 feet.

292042. Col. No. 53-344. Expt. Sta., Salisbury. Elevation 4,900 feet.

292043. Col. No. 53-345. Salisbury Park, Salisbury. Elevation 4,900 feet.

292044. Col. No. 54-346. Open woods, Victoria Falls. Elevation 3,000 feet.

292045. Col. No. 55-349. Grassy, sandy-clay roadside swale, Mount Makulu Expt. Sta. Elevation 4,100 feet. Plants abundant, leafy.

292046. Col. No. 55-350. Red clay nursery, Mount Makulu Expt. Sta. Elevation 4,035 feet.

292047. Col. No. 55-351. Reddish-brown clay slope, Mount Makulu Expt. Sta. Elevation 4,100 feet. Plant low growing, dense.

292048. Col. No. 56-352. Mount Makulu Expt. Sta., Common type.

292049. Col. No. 56-354. Kafue township.

292050. Col. No. 56-355. Nursery Munda Wang, Chilanga.

292051. No. No. 56-356. Munda Wang, Chilanga. Blades and sheath pubescent.

292052. Col. No. 57-357. No. 8 Fairway, Chilanga golf course. Culms red.

292040 to 292058—Continued

292053. Col. No. 57-358. Chilanga golf course.

292054 to 292058. CYNODON PLECTOSTACHYUS (K. Schum.) Pilg. Stargrass.

292054. Col. No. 53-342. Expt. Sta. Salisbury. Elevation 4,900 feet.

292055. Col. No. 53-343. Expt. Sta. Salisbury. Elevation 4,900 feet.

292056. Col. No. 55-347. Roadside, Mount Makulu Expt. Sta. Elevation 4,035 feet.

292057. Col. No. 55-348. Grass nursery roadside, Mount Makulu, Expt. Sta. Elevation 4,035 feet.

292058. Col. No. 56-353. Roadside, 3 miles north of Kafue, road to Lusaka.

292059 to 292062.

From Tanganyika. Seeds collected by W. W. Huffine, Oklahoma State University, Stillwater. Received July 8, 1963.

292059 to 292061. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

292059. Col. No. 58-359. Sea level, sandy beach, Dar Es Salaam. Plants tall, leafy.

292060. Col. No. 58-360. Sandy, flat area, Dar Es Salaam. Elevation 100 feet.

292061. Col. No. 59-361. Roadside, 1 mile west of Dar Es Salaam, road to Morogoro.

292062. CYNODON sp.

Col. No. 59-362. Wet roadside 14 miles from Dar Es Salaam, road to Morogoro. Plants coarse, leafy; ligules appear membranous; blades mostly glabrous; hairs few.

292063. HIBISCUS CANNABINUS L. Malvaceae. **Kenaf.**

From Kenya. Seeds presented by the East African Agriculture and Forestry Research Organization, Nairobi. Received July 8, 1963.

292064. CAMELLIA × WILLIAMSII W. W. Smith Theaceae.

From Great Britain. Plants presented by Mrs. A. Johnstone, Trewithien, Cornwall, England. Received July 9, 1963.

'Glenn's Orbit'.

292065. FRAGARIA (hybrid). Rosaceae.

From New Zealand. Plants presented by the Horticultural Research Station, Levin. Received July 11, 1963.

'Chapman's Seedling'.

292066 to 292068. TRIFOLIUM BADIUM Schreb. Fabaceae.

From France. Seeds presented by the Laboratoire de Recherches sur les Plantes Fourrageres, Rouen. Received July 12, 1963.

292066. No. 1. Col de la Cayolle (Cayolle Pass), Lower Alps. Elevation 2,000 meters. Collected September 1961.

292067. No. 2. Orcieres, Upper Alps. Elevation 1,900 meters. Collected July, 1961.

292068. No. 3. Villar d'Arene, Upper Alps. Elevation 2,000 meters. Collected 1962.

292069 to 292132.

From Bolivia and Peru. Tubers collected by Donald Ugent, University of Wisconsin, Madison. Received July 12, 1963.

292069 to 292132—Continued

292069. *SOLANUM CANASENSE* Hawkes Solanaceae.

Col. No. 3982-89. Growing with cactus, chenopodium, oxalis and non-tuberous *Solanum* species on rocky slope, "Racchchi", near Oropesa, Dept. of Cuzco, Peru. Feb., 1963.

292070. *SOLANUM CHIQUIDENUM* var. *PORCONENSE* Ochoa

Col. No. 5398. Sipa Granja Porcon, 40 km. northwest of Cajamarca, Dept. of Cajamarca, Peru. Elevation 3,000 meters. Flowers white with pale blue tips. June 1963.

292071. *SOLANUM CHOMATOPHILUM* Bitters

Col. No. 5416-50. Sipa Granja Porcon, 40 km. northwest of Cajamarca, Dept. of Cajamarca, Peru. Elevation 3,000 meters. Plants to 40 cm. high; flowers purple. June 1963.

292072 to 292110. *SOLANUM TUBEROSUM* L. **Potato.**

All from Peru. Local name follows the collection number.

292072. Col. No. R. Catchi-Catchi. Near Palca, road to San Ramon. December 1962.

292073. Col. No. 5242. Papa Blanca. Native market, Puno. May 1963.

292074. Col. No. 5243. Papa Negra. Native market, Puno. May 1963.

292075. Col. No. 5244. Cuzquena. Native market, Puno. May 1963.

292076. Col. No. 5245. Rosada. Native market, Puno. May 1963.

292077. Col. No. 5256. Blanca Serrana. Native market, Arequipa. May 1963.

292078. Col. No. 5257. Negra Serrana. Native market, Arequipa. May 1963.

292079. Col. No. 5258. Salamanca Negra. Native market, Arequipa. May 1963.

292080. Col. No. 5259. Rosada. Native market, Arequipa. May 1963.

292081. Col. No. 5260. Majana. Native market, Arequipa. May 1963.

292082. Col. No. 5261. Negra Churatanya. Native market, Arequipa. May 1963.

292083. Col. No. 5306. Papa Juli. Native market, Cuzco. May 1963.

292084. Col. No. 5307. Huaycu. Native market, Cuzco. May 1963.

292085. Col. No. 5308. Sanchu. Native market, Cuzco. May 1963.

292086. Col. No. 5309. Ccompis. Native market, Cuzco. May 1963.

292087. Col. No. 5310. Huayruro. Native market, Cuzco. May 1963.

292088. Col. No. 5381. Papa Blanca. Native market, Trujillo. June 1963.

292089. Col. No. 5382. Amarilla. Native market, Trujillo. June 1963.

292090. Col. No. 5383. Amarilla Serrana. Native market, Trujillo. June 1963.

292091. Col. No. 5384. Amarilla Lemena. Native market, Trujillo. June 1963.

292092. Col. No. 5484. Sapa. Native market, Cajamarca. June 1963.

292093. Col. No. 5485. Huancayita. Native market, Cajamarca. June 1963.

292094. Col. No. 5486. Chimpana. Native market, Cajamarca. June 1963.

292095. Col. No. 5487. Troga. Native market, Cajamarca. June 1963.

292069 to 292132—Continued

292096. Col. No. 5488. Papita Amarilla. Native market, Cajamarca. June 1963.
292097. Col. No. 5489. Magdalena Amarilla. Native market, Cajamarca. June 1963.
292098. Col. No. 5529. Papa Blanca. Native market, Lima. June 1963.
292099. Col. No. 5530. Samarilla (Serrana). Native market, Lima. June 1963.
292100. Col. No. 5531. Huairo. Native market, Lima. June 1963.
292101. Col. No. 5532. Serrana. Native market, Lima. June 1963.
292102. Col. No. 5533. Contena. Native market, Lima.
292103. Col. No. 5534. Tarmena. Native market, Lima. June 1963.
292104. Col. No. 5536. Chata Papa Blanca. Grifo Puente Stuart, "Huaripampa", 46 km. from Huancayo towards Lima, Dept. of Junin. June 1963.
292105. Col. No. 5583. Ricran. Native market, Huancayo. June 1963.
292106. Col. No. 5539. Papa Negra. Native market, Huancayo. June 1963.
292107. Col. No. 5540. Papa Blanca. Native market, Huancayo. June 1963.
292108. Col. No. 5541. Huaruro. Native market, Huancayo. June 1963.
292109. Col. No. 5542. Largitas. Huancayo market. June 1963.
292110. Col. No. 5543. Amarilla. Huancayo market. June 1963.
- 292111 to 292132. SOLANUM TUBEROSUM L. Potato.**
- All from Bolivia. Local name follows the collection number.
292111. Col. No. 5177. Alka Imilla. Native market, Potosi. April 1963.
292112. Col. No. 5178. Imilla Negra. Native market, Potosi. April 1963.
292113. Col. No. 5179. Malcacho. Native market, Potosi. April 1963.
292114. Col. No. 5180. Runa. Native market, Potosi. April 1963.
292115. Col. No. 5181. Palama. Native market, Potosi. April 1963.
292116. Col. No. 5182. Sacampaya. Native market, Potosi. April 1963.
292117. Col. No. 5197. Imilla Blanca. Native market, Sucre. May 1963.
292118. Col. No. 5198. Imilla Colorado. Native market, Sucre. May 1963.
292119. Col. No. 5199. Imilla Negra. Native market, Sucre. May 1963.
292120. Col. No. 5200. Sonsa Imilla. Native market, Sucre. May 1963.
292121. Col. No. 5201. Runa. Native market, Sucre. May 1963.
292122. Col. No. 5214. Imilla Blanca. Native market, Cochabamba. May 1963.
292123. Col. No. 5215. Imilla Negra. Native market, Cochabamba. May 1963.
292124. Col. No. 5216. Runa. Native market, Cochabamba. May 1963.

292069 to 292132—Continued

292125. Col. No. 5224. Pale. Native market, Oruro. May 1963.
 292126. Col. No. 5225. Imilla Negra. Native market, Oruro. May 1963.
 292127. Col. No. 5227. Sacampaya. Native market, Oruro. May 1963.
 292128. Col. No. 5229. Papa Negra. La Paz, Mercado Camacho. May 1963.
 292129. Col. No. 5230. Pale. La Paz, Mercado Camacho. May 1963.
 292130. Col. No. 5231. Sacampaya. La Paz, Mercado Camacho. May 1963.
 292131. Col. No. 5232. Runa. La Paz, Mercado Camacho. May 1963.
 292132. Col. No. 5233. Papa Blanca. La Paz, Mercado Camacho. May 1963.

292133 to 292136. MALUS SYLVESTRIS Mill. Malaceae.

From Israel. Budsticks presented by the National and University of Agriculture, Rehovoth. Received July 15, 1963.

292133. 'Hadassia'. 292135. 'Succary'.
 292134. 'Khashabi'. 292136. 'Zabaoani'.

292137. TRIFOLIUM SUBTERRANEUM L. Fabaceae.

Subterranean clover.

From Australia. Seeds held by the Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 16, 1963.

'Tallarook'. Purchased in South Melbourne.

292138 to 292141.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received July 16, 1963.

292138. ARACHIS HYPOGAEA L. Fabaceae. Peanut.
 292139 to 292141. ZEA MAYS L. Poaceae. Corn.
 292139. Mex 155-86. DL/63/334.
 292140. Mex 155-152. DL/63/335.
 292141. Mex 155-156. DL/63/336.

292142 and 292143.

From Ghana. Stolons collected by W. W. Huffine, Oklahoma State University, Stillwater. Received July 17, 1963.

292142. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.
 Col. No. 66-453. Dabala EP Primary School. Sandy soil. July 1963.
 292143. CYNODON FLECTOSTACHYUS (K. Schum.) Pilg. Stargrass.
 Col. No. 66-452. Ohawu Agricultural Station. Introduced into the Ghana Volta Region. Sandy loam soil. Elevation 54 feet. July 1963.

292144 to 292149. SESAMUM INDICUM L. Pedaliaceae. Sesame.

From Pakistan. Seeds presented by the Hybrid Maize Seed Farm, Montgomery, via the Ayub Agricultural Research Institute, Lyallpur. Received July 18, 1963.

292144. No. P 18-203. 292147. No. T 5.
 292145. No. P 39-40. 292148. No. T 15.
 292146. No. P 63-9. 292149. No. T 22.

292150 to 292153. BETA VULGARIS L. Chenopodiaceae. Beet.

From France. Seeds presented by Florimond Desprez, Cappelle par Templeuve (Nord). Received July 18, 1963.

292150. 'Desprez Z'. International type N.

292151. 'Elite Desprez type A'. International type Z.

292152. 'Elite Desprez type R'. International type N.

292153. 'Elite T. M.'. International type E.

292154 and 292155. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the British West Indies. Cuttings presented by the Barbados Sugar Cane Variety Testing Station, Barbados. Received Dec. 6, 1963.

Grown at Codoington Experiment Station.

292154. B 5809.

292155. B 58230.

292156 to 292161.

From the United States. Seeds held by the Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered July 19, 1963.

292156. TRIFOLIUM AMBIGUUM Bieb. Fabaceae. **Kura clover.**

F.C. 33,109. Bulked seeds from several sources.

292157. TRIFOLIUM CAMPESTRE Schreb. **Large hopclover.**

F.C. 35,255. Purchased from Keller Seed Store, Shawnee, Okla., November 1959.

292158 and 292159. TRIFOLIUM FRAGIFERUM L. **Strawberry clover.**

292158. F.C. 36,063. Purchased from Beard-Adams Seed Co., Yakima, Wash., January 1961. Idaho grown.

292159. F.C. 36,186. 'Salina'. Purchased from Caladino Farm Seeds, Inc., Willows, Calif., February 1961.

292160. TRIFOLIUM HIRTUM All. **Rose clover.**

F.C. 36,901. From the Agronomy Dept., University of California, Davis. Received September 1962.

292161. TRIFOLIUM INCARNATUM L. **Crimson clover.**

F.C. 36,871. Kentucky selection. From Kentucky Agr. Expt. Sta., Lexington, August 1962.

292162 and 292163. ALLIUM CEPA L. Liliaceae. Onion.

From Iran. Bulbs and seeds presented by the United States Agency for International Development, Tehran. Received Dec. 6, 1963.

From Torbat Heydarieh.

292162. Bulbs.

292163. Seeds.

292164 to 292168.

From the United States. Seeds held by the Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered July 19, 1963.

292164. TRIFOLIUM MEDIUM Huds. Fabaceae. **Zigzag clover.**

F.C. 36,076. From Agronomy Dept., Colorado State University, Ft. Collins. Received 1961.

292164 to 292168—Continued

292165. *TRIFOLIUM NIGRESCENS* Viv. **Ball clover.**

F.C. 36,942. Louisiana grown seeds received in October 1962, from R. E. Lambert & Sons, Darlington, Alabama.

292166 and 292167. *TRIFOLIUM RESUPINATUM* L. **Persian clover.**

292166. F.C. 36,330. Purchased from Nolin and Laborde, Hamburg, La. September 1961.

292167. F.C. 36,941. A late-maturing, hard seed strain from P.I. Nos. 141502, 173974, and 180492 from the Beaumont Substation, A. & M. College of Texas. Received November 1962. Has high forage and seed yield.

292168. *TRIFOLIUM STRIATUM* L. **Striate clover.**

F.C. 32,203. From Mississippi State University, State College. Received August 1954.

292169. *ORYZA SATIVA* L. Poaceae. **Rice.**

From the Philippine Islands. Seeds presented by the International Rice Research Institute, College, Laguna. Received Dec. 9, 1963.

'Leuang-Hawn'. Originally from Thailand.

292170. *DIGITARIA SANGUINALIS* (L.) Scop. Poaceae. **Hairy crabgrass.**

From Australia. Plants presented by the Grass Research Bureau, West Ryde, Queensland. Received Dec. 10, 1963.

'Decalvata'.

292171. *PASSIFLORA EDULIS* Sims Passifloraceae. **Purple granadilla.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 22, 1963.

No. N. 764.

292172 and 292173.

From Hong Kong. Seeds presented by the Urban Services Department, Victoria. Received July 22, 1963.

292172. *CYCAS REVOLUTA* Thunb. Cycadaceae.

292173. *SCHIMA SUPERBA* Gard. & Champ. Theaceae.

292174 to 292190.

From the Republic of South Africa. Seeds presented by the Horticultural Research Institute, Pretoria. Received July 22, 1963.

292174 to 292188. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Poaceae. **Palisade signalgrass.**

292174. B-59-144. 1959. Rustenburg.

292175. B-59-144. 1961. Rustenburg.

292176. B-59-144. 1962. Rustenburg.

292177. B-59-144. 1963. Rustenburg.

292178. B-59-145. 1959. Rust-der-Winter.

292179. B-59-145. 1961. Rust-der-Winter.

292180. B-59-145. 1963. Rust-der-Winter.

292181. B-59-147. 1963. Weenen.

292182. B-59-148. 1963. Rustenburg.

292183. U-59-62. 1959. Kavirondo, Uganda.

292174 to 292190—Continued

292184. U-59-62. 1961. Kavirondo, Uganda.

292185. U-59-62. 1963. Kavirondo, Uganda.

292186. U-59-63. 1959. Belgian Congo.

292187. U-59-63. 1961. Belgian Congo.

292188. U-59-63. 1963. Belgian Congo.

292189. CUCUMIS HIRSUTUS Sond. Cucurbitaceae.
No. 4750. Northern Lululand.

292190. CUCUMIS METULIFERUS E. Mey. ex Naudin
Transvaal.

292191. PASPALUM PLICATULUM Michx. Poaceae.

Brownseed paspalum.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 23, 1963.

C.P.I. No. 11826. Berrwah.

292192 to 292194. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Bureau of Sugar Experiment Stations, Brisbane. Received July 25, 1963.

292192. Q-50.

292193. Q-74.

292194. Q-76.

292195 to 292205. NICOTIANA TABACUM L. Solanaceae.

From Poland. Seeds presented by Central Laboratory of Tobacco Industry, Krakow. Received July 26, 1963.

All are resistant to veinal necrosis and black root rot (*Thielaviopsis basicola*), but susceptible to downy mildew (*Peronospora tabacina*) unless otherwise indicated.

292195. '2B Resistant 142'. From Italy. Moderately resistant to black root rot.

292196. '3B Resistant 945'. From Italy.

292197. 'Aspasia'. From Austria. Moderately susceptible to downy mildew.

292198. 'Jaune Resist. Sota'. From Switzerland. Moderately resistant to black root rot and very susceptible to downy mildew.

292199. 'Kiev 43'. From Austria. Moderately susceptible to downy mildew.

292200. 'Linia 1'. Skroniow. Very susceptible to downy mildew.

292201. 'Linia 9'. Skroniow.

292202. 'Paraguay 11'. From France. Slightly susceptible to downy mildew.

292203. 'Rhinan Burley'. From France.

292204. 'Virginia 230'. From East Germany. Moderately resistant to black root rot.

292205. 'Zlotolistny IHAR'. Pulawy. Very susceptible to downy mildew.

292206. PHALARIS (hybrid). Poaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Numbered July 29, 1963.

P. tuberosa var. *stenoptera* × *P. arundinacea*. Hybrid heterogenous, vigorous, adapted to low areas, even flooding for short periods.

292207. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From Kenya. Seeds presented by the East African Agriculture and Forestry Research Organization, Nairobi. Received July 30, 1963.

Roadside 20.5 miles from Ansha, road to Nairobi. Herb abundant, to about 6 feet high.

292208. GOSSYPIUM sp. Malvaceae.

From the Mariana Islands. Seeds presented by the High Commissioner, Tinian Island. Received July 30, 1963.

Soil calcareous, shallow. Annual rainfall nearly 80 inches; dry season January to May. Plant vigorous, competes well with other vegetation.

292209 to 292222.

From Mexico. Tubers collected in July by Donald Ugent, University of Wisconsin, Madison. Received July 30, 1963.

292209 to 292211. SOLANUM BULBOCASTANUM Dun. Solanaceae.

292209. Col. No. 5735-44. Twenty-two km. south of Morelia, road to Villa Madero.

292210. Col. No. 5772-77. Twenty-one km. south of Morelia, road to Villa Madero.

292211. Col. No. 5803-13. Estado de Jalisco, above Yamora.

292212. SOLANUM EDINENSE Berthault

Col. No. 5682-84. Local name: Papa Morada. Nevada de Toluca.

292213. SOLANUM MICHOCANUM (Bitt.) Rydb.

Col. No. 5745-71. Twenty-one km. south of Morelia, road to Villa Madero. Plant pubescent; flowers white, stellate.

292214 to 292216. SOLANUM STOLONIFERUM Schlecht.

292214. Col. No. 5695-5712. Nevada de Toluca.

292215. Col. No. 5778-84. Twenty-one km. south of Morelia, road to Villa Madero.

292216. Col. No. 5803-07. Ten km. north of Morelia.

292217. SOLANUM TRIFIDUM Correll

Col. No. 5824-37. Along the Carapan-Uruapan highway.

292218 to 292220. SOLANUM TUBEROSUM L. Potato.

292218. Col. No. 5819. Local name: Amarilla. Estado de Jalisco, Guadalajara.

292219. Col. No. 5820. Local name: Ojo Morado. Native market, Guadalajara.

292220. Col. No. 5821. Local name: Papa Blanca. Estado de Jalisco, Guadalajara.

292221. SOLANUM VALLIS-MEXICAE Juz.

Col. No. 5725. Thirty-seven km. from Mexico City, road to Toluca.

292222. SOLANUM VERRUCOSUM Schlecht.

Col. No. 5713-24. Distrito Federal, Desierto de low Leones.

292223 to 292225.

From Ecuador. Tubers collected by Donald Ugent, University of Wisconsin, Madison. Received July 30, 1963.

292223. SOLANUM COLOMBIANUM Dumal Solanaceae.

Col. No. 5580-81. Valley of Lloa, near Quito. June, 1963.

292223 to 292225—Continued**292224.** SOLANUM TUBEROSUM L.**Potato.**

Col. No. 5681. Local name: Chola. Santa Catalina, near Quito. July 1963. Tubers with yellow flesh and purple skin.

292225. SOLANUM sp.

No collector's note. Local name: Ara Papa. Vicinity of Quito. July 1963.

292226. AVENA STRIGOSA Schreb. Poaceae.

From Israel. Seeds presented by the Israel Overseas Trade Company, Limited, Tel Aviv. Received July 31, 1963.

292227 to 292233. CYNODON DACTYLON (L.) Pers. Poaceae.**Bermudagrass.**

From Ghana. Seeds collected and presented by W. W. Huffine, Oklahoma State University, Stillwater. Received July 31, 1963.

292227. Col. No. 66-448. Roadside ditch, Afiyana. Elevation 200 feet. Plants leafy, medium textured, forage type.**292228.** Col. No. 66-449. Lateritic soil, roadside, Koforidna. Elevation 1,200 feet.**292229.** Col. No. 66-450. Sandy riverbank, Nsawam. Elevation 300 feet.**292230.** Col. No. 66-451. Accra. Elevation 150 feet.**292231.** Col. No. 66-454. Volta River bank, Lower Volta Ferry, Sokpoe. Elevation 50 feet.**292232.** Col. No. 66-455. Ohawa Agricultural Station, Volta region.**292233.** Col. No. 66-456. Volta bridge, south of Akasombo. Elevation 150 feet.**292234.** HORDEUM COMOSUM Presl Poaceae.

From Chile. Seeds presented by the Institute of Agriculture, San Martin. Received Aug. 1, 1963.

Collected in Los Valdes mountains near Santiago.

292235. HIBISCUS HUEGELII Endl. Malvaceae.

From the United States. Seeds presented by the Los Angeles State and County Arboretum, Arcadia, Calif. Received Aug. 6, 1963.

LASCA No. 53-S-1250, (52-S-1428); originally from Australia.

292236 and 292237. ORYZA SATIVA L. Poaceae.**Rice.**

From Japan. Seeds presented by the Division of Genetics, National Institute of Agricultural Sciences, Hiratuka, Kanagawa. Received Aug. 2, 1963.

292236. 'Fukey 53'.**292237.** 'Fukey 54'.**292238 to 292242.** NICOTIANA TABACUM L. Solanaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Aug. 2, 1963. Breeding lines of Australian blue mold resistant tobacco.

292238. No. EA953. Resistance derived from *N. goodspeedii*.**292239.** No. EA956. Resistance derived from *N. debneyi*.**292240.** No. GA534. Resistance derived from *N. suaveolens*.**292241.** No. GA546. Resistance derived from *N. goodspeedii*.**292242.** No. S01. Resistance derived from *N. debneyi*.

292243 and 292244.

From Fiji. Plant and seeds presented by the Department of Agriculture, Suva. Received Aug. 2, 1963.

292243. *SCHIZOSTACHYUM GLAUCIFOLIUM* Munro Poaceae.
(Plant).

292244. *DEGENERIA VITIENSIS* I. W. Bail. & A. C. Smith Degeneriaceae.
(Seeds). Collected near Naduna, Naitasiri Province, Viti Levu.

292245 to 292253.

From the Philippines. Stolons collected in July by W. W. Huffine, University of Oklahoma, Stillwater. Received Aug. 6, 1963.

292245 and 292246. *CYNODON ARCUATUS* J. S. Presl ex K. B. Presl.
Poaceae.

292245. Col. No. 70-465. Open site at edge of forest, College of Forestry athletic playground. Elevation 325 feet.

292246. Col. No. 70-466. College of Forestry.

292247 to 292252. *CYNODON DACTYLON* (L.) Pers. Bermudagrass.

292247. Col. No. 69-461. Sandy loam soil, Economic Gardens, Bureau of Plant Industry, Los Banos, Laguna.

292248. Col. No. 69-462. Economic Gardens, Bureau of Plant Industry, Los Banos, Laguna.

292249. Col. No. 69-463. Economic Gardens, Bureau of Plant Industry, Los Banos, Laguna.

292250. Col. No. 70-464. College of Forestry.

292251. Col. No. 71-467. Lamac Experiment Station, Limay, Bataan Prov., Rice Bowl. Elevation 100 feet.

292252. Col. No. 71-468. At sea level, along Lamac River on Lamac Experiment Station, Bataan Prov.

292253. *CYNODON* sp.

Col. No. 72-472. From Camp John Hay golf course, University of the Philippines, Baguio City. Collected in August 1963.

292254 to 292262.

From Great Britain. Seeds presented by the University of Reading, Reading, England. Received Aug. 7, 1963.

292254. *BROMUS ARVENSIS* L. Poaceae. Field brome.
No. 102.

292255. *BROMUS ERECTUS* Huds. Meadow brome-grass.
No. 103.

292256. *BROMUS MOLLIS* L. Soft chess.
No. 104.

292257. *BROMUS SITCHENSIS* Trin.
No. 106.

292258. *BROMUS WILLDENOWII* Kunth Rescuegrass.
No. 108.

292259. *FESTUCA RUBRA* L. subsp. *RUBRA* Poaceae. Red fescue.
No. 121.

292260. *FESTUCA RUBRA* var. *COMMUTATA* Gaud. Chewings fescue.
No. 122.

292254 to 292262—Continued

292261. TRIFOLIUM PANNONICUM Jacq. Fabaceae. Hungarian clover.
No. 200.
292262. VICIA SATIVA L. Fabaceae. Common vetch.
No. 212. Winter vetch.

292263 to 292269.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Aug. 7, 1963.

- 292263 to 292267. ARACHIS HYPOGAEA L. Fabaceae. Peanut.
292263. AH 7047.
292264. AH 7088.
292265. AH 7337.
292266. 'Salawagi-1-6'.
292267. 'Spanish Improved'.
292268. Wood apple.
292269. Eggplant.
- 'Pusa Purple Long'. Brinjal.

292270. SARACA INDICA L. Caesalpiniaceae. Common saraca.

From India. Seeds presented by Mysore Government Botanical Gardens, Lalbagh, Bangalore. Received Aug. 7, 1963.

Asoka tree.

292271 to 292309.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received Aug. 7, 1963.

- 292271 to 292277. ARACHIS (hybrids). Fabaceae. Peanut.
- F₆ generation.
292271. No. 1594. Pedigree 57C3-4-4-1-1-1. 'Colorado Manfredi' × ('Blanco S. Fe' × *A. monticola*, F₆).
292272. No. 1598. 57C3-5-1-1-2-3. 'Colorado Manfredi' × ('Blanco S. Fe' × *A. monticola*, F₆).
292273. No. 1719. 57C29-4-2-m-2-1. 'Blanco Rio Segundo' × ('Blanco S. Fe' × *A. monticola*, F₆).
292274. No. 1721. 57C29-4-2-m-4-1. 'Blanco Rio Segundo' × ('Blanco S. Fe' × *A. monticola*, F₆).
292275. No. 1723. 57C30-1-1-m-1-1. 'Blanco Rio Segundo' × ('Blanco S. Fe' × *A. monticola*, F₆).
292276. No. 1725. 57C30-1-1-m-3-1. 'Blanco Rio Segundo' × ('Blanco S. Fe' × *A. monticola*, F₆).
292277. No. 1729. 57C30-4-1-m-1 1. 'Blanco Rio Segundo' × ('Blanco S. Fe' × *A. monticola*, F₆).
- 292278 to 292306. ARACHIS HYPOGAEA L. Peanut.
292278. 'Manfredi Champaqui'.
292279. 'Manfredi 1'.
292280. 'Manfredi 68'.
- 292281 to 292295. F₆ generation.
292281. No. 1668. Pedigree 57C19-10-1-m-2-3. 'Colorado Manfredi' × R.C.M. ('Overo 46S29').

292271 to 292309—Continued

292282. No. 1671. 57S19-17-1-1-1. 'Colorado Manfredi' × R.C.M. 389 ('Overo S29').
292283. No. 1671. 57S19-17-1-1-2. 'Colorado Manfredi' × R.C.M. 389 ('Overo 46S29').
292284. No. 1684. 57C20-2-3-m-3-1. 'Colorado Manfredi' × R.C.M. 390 ('Overo 46S30').
292285. No. 1701. 57C20-3-5-m-6-2. 'Colorado Manfredi' × R.C.M. 390 ('Overo 46S30').
292286. No. 1709. 57C20-12-2-1-1-1. 'Colorado Manfredi' × R.C.M. 390 ('Overo 46S30').
292287. No. 1745. 57C31-5-3-m'-1-1. 'Blanco Rio Segundo' × R.C.M. 404 ('Violaceo-Peru').
292288. No. 1746. 57C31-5-3-m'-2-1. 'Blanco Rio Segundo' × R.C.M. 404 ('Violaceo-Peru').
292289. No. 1748. 57C31-11-2-m-1-1. 'Blanco Rio Segundo' × R.C.M. 404 ('Violaceo-Peru').
292290. No. 1757. 57C33-3-4-m-3-2. 'Blanco Rio Segundo' × R.C.M. 406 ('Veteado-Peru').
292291. No. 1784. 57C35-2-1-m'-1-1. 'Blanco Rio Segundo' × R.C.M. 385 ('Overo 47S2').
292292. No. 1790. 57C35-2-1-m2-5-1. 'Blanco Rio Segundo' × R.C.M. 385 ('Overo 47S2').
292293. No. 1791. 57C35-4-3-m'-1-1. 'Blanco Rio Segundo' × R.C.M. 385 ('Overo 47S2').
292294. No. 1855. 57C38-1-1-m'-4-1. 'Blanco Rio Segundo' × R.C.M. 388 ('Overo 46S46').
292295. No. 1857. 57C40-2-1-m-1-1. 'Blanco Rio Segundo' × R.C.M. 390 ('Overo 46S30').
- 292296 to 292306. F₇ generation.**
292296. No. 1981. 56C5-1-m-2-m-1-1. 'Manfredi Champaqui' ('Negro 4' × 'Fla. 249-40-B3') × 'Manfredi 6' ('Macspan' × 'Colorado de Cordoba').
292297. No. 1982. 56C5-1-m-2-m-2-1. 'Manfredi Champaqui' ('Negro 4' × 'Fla. 249-40-B3') × 'Manfredi 6' ('Macspan' × 'Colorado de Cordoba').
292298. No. 1983. 56C5-1-m-2-m-3-1. 'Manfredi Champaqui' ('Negro 4' × 'Fla. 249-40-B3') × 'Manfredi 6' ('Macspan' × 'Colorado de Cordoba').
292299. No. 1984. 56C5-1-m-2-m-4-1. 'Manfredi Champaqui' ('Negro 4' × 'Fla. 249-40-B3') × 'Manfredi 6' ('Macspan' × 'Colorado de Cordoba').
292300. No. 1985. 56C5-1-m-2-m-5-1. 'Manfredi Champaqui' ('Negro 4' × 'Fla. 249-40-B3') × 'Manfredi 6' ('Macspan' × 'Colorado de Cordoba').
292301. No. 2027. 56C10-5-m-1-m-1-1. 'Colorado Manfredi' × 'Colorado Largo' (Bolivia).
292302. No. 2028. 56C10-5-m-1-m-2-1. 'Colorado Manfredi' × 'Colorado Largo' (Bolivia).
292303. No. 2030. 56C10-5-m-1-m-4-1. 'Colorado Manfredi' × 'Colorado Largo' (Bolivia).
292304. No. 2056. 56C16-3-m-3-m-3-1. L. 20-7-44 (Brazil) × 'Manfredi Champaqui'.

292271 to 292309—Continued

292305. No. 2056. 56C16-3-m-3-m-3-2. L. 20-7-44 (Brazil) ×
'Manfredi Champaqui'.

292306. No. 2056. 56C16-3-m-3-m-3-3. L. 20-7-44 (Brazil) ×
'Manfredi Champaqui'.

292307. *ARACHIS PUSILLA* Benth.

Herbarium specimen No. G.K.P. 10,038.

292308. *ARACHIS* sp.

Originally from Reio Parapeti, Bolivia.

292309. *ARACHIS* sp.

Herbarium specimen No. G.K.P. 9812.

292310 to 292328.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Aug. 8, 1963.

292310 to 292316. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

292310. No. 610. 'Zaami'. Uzbekistan.

292311. No. 944. 'Buharka'. Uzbekistan.

292312. No. 1895. 'Ur-kzyl'. Uzbekistan.

292313. No. 3186. 'Kzyl-kaun'. Uzbekistan.

292314. No. 3748. 'Umyr-vaki'. Uzbekistan. For k. sping.

292315. No. 4150. 'Kolhoznica'. Ukraine.

292316. No. 5096. 'Tridcatidnevka'. Ukraine.

292317. *ELAEAGNUS UMBELLATA* Thunb. Elaeagnaceae.

Autumn elaeagnus.

No. 272. Hortus Botanicus Academiae Scientiarum, Uz.R.S.S., Taschkent, Karamuriskaja.

292318. *LINUM ANGUSTIFOLIUM* Huds. Linaceae. **Narrowleaf flax.**

No. 5653. From Belgium.

292319. *LINUM FLAVUM* L.

Golden flax.

No. 5931. From Sweden.

292320. *LINUM PERENNE* L.

Perennial flax.

No. 5874. From Poland.

292321. *LINUM GRANDIFLORUM* Desf.

Flowering flax.

No. 5628. From Sweden.

292322 to 292328. *LINUM USITATISSIMUM* L.

292322. No. 5829. 'Barnaulskij 18'. Altaj.

292323. No. 6055. 'Tadziksij 8 (89)'. Tadzikistan.

292324. No. 6189. T-16. Kalinin region.

292325. No. 6192. 'Pskovskij 1'. Pskov region.

292326. No. 6200. T-7. Tomsk region.

292327. No. 6201. T-9. Tomsk region.

292328. No. 6531. T-10. Tomsk region.

292329 to 292339.

From Argentina. Seeds presented by G. R. Paschal, Charlottesville, Va. Received Aug. 8, 1963.

Collected by the Estacion Forestal de Puerto Ancharena, Parke Nacional Nahuel Huapi, northern Patagonia, at 800 to 1,000 feet elevation in a region where the temperature drops to 0° F., and 2 feet of snow usually accumulates.

292329. ARISTOTELIA CHILENSIS (Molina) Stuntz Elaeocarpaceae. **Macqui.**

Evergreen shrub.

292330. BERBERIS DARWINII Hooker Berberidaceae. **Darwin barberry.**
Michay.

292331. BERBERIS sp.
Calafate.

292332. LIBOCEDRUS CHILENSIS (Don) Endl. Pinaceae.
Chilean incense-cedar.
Cifres.

292333. LUPINUS sp. Fabaceae.
Lupino azul.

2334. MYRCEUGENIA APICULATA (DC.) Ndzu. Myrtaceae.
Shortleaf eugenia.
Arrayan. White-flowered shrub.

292335. NOTHOFAGUS ANTARCTICA (Forst.) Oerst. Fagaceae.
Nire.

292336. NOTHOFAGUS DOMBEYI (Mirb.) Oerst.
Caibue.

292337. PERNETTYA MUCRONATA (L.f.) Gaud. ex. Don. Ericaceae.
Broadleaf pernettya.
Chaura.

292338. RUBUS ULMIFOLIUS Schott Rosaceae. **Elmleaf blackberry.**
Murra.

292339. SCHINUS sp. Anacardiaceae.
Laura.

292340 to 292348.

From Bolivia. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963.

292340. ACROCOMIA TOTAI Mart. Phoenicaceae. **Palm.**
Trinidad province. Leaves are used as fodder in dry season.

292341. ANNONA ECHINATA Dunal Annonaceae.
Santa Ana, Beni province. Plant heavy yielding; fruit strong flavored.

292342 and 292343. HOVEA ELLIPTICA (J. E. Smith) DC. Fabaceae.

292342. No. 1. Five km. north of Expt. Sta., Trinidad, Beni province.

292343. No. 2. In tall grass, east side of Itonama River, Magdalena, Beni province.

292344. LEERSIA HEXANDRA Swartz Poaceae.
Growing in water 1 foot deep, Trinidad Expt. Sta., Beni province.

292340 to 292348—Continued

292345. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.

Agr. Expt. Sta., General Saavedra, near Santa Cruz; originally from Peru. Seeds large.

292346. *PANICUM* sp. Poaceae.

Good forage growing in water 1 foot deep, Trinidad Expt. Sta., Beni province.

292347. *PHASEOLUS LATHYROIDES* L. Fabaceae.

Bean.

Magdalena, Beni province.

292348. *VICIA ANGUSTIFOLIA* Roth Fabaceae.

Roadside, Km 177, east of Cochabamba.

292349 and 292350.

From Costa Rica. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963.

292349. *PHASEOLUS* sp. Fabaceae.

Turrialba pasture.

292350. *VIGNA VEXILLATA* (L.) A. Rich. Fabaceae.

Turrialba legume garden.

292351. *DESMODIUM HASSLERI* (Schindler) Burkart Fabaceae.

From Colombia. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963.

Agr. Expt. Sta., Espinal, Tolima State.

292352. *INDIGOFERA ENDECAPHYLLA* Jacq. Fabaceae.

From Bolivia. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963. Agr. Expt. Sta., Magdalena, Beni province. Common among pampas shrubs and trees.

292353 and 292354.

From Colombia. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963.

292353. *PHASEOLUS LATHYROIDES* L. Fabaceae.

Roadside between Tulua and Buga, Cauca Valley.

292354. *TEPHROSIA ADUNCA* Benth. Fabaceae.

Expt. Sta., Espinal, Magdalena River Valley, Tolima State.

292355. *DESMODIUM* sp. Fabaceae.

From Ecuador. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963. Roadside near Santo Domingo, 50 miles from Pichilingue.

292356. *PANICUM MAXIMUM* Jacq. Poaceae. **Guineagrass.**

From Bolivia. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963. Hacienda Banzer, above Santa Ana, on Rio Mamore, Beni province.

292357. *DESMODIUM BARBATUM* (L.) Benth. Fabaceae.

From Honduras. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963. Escuela Agrícola Pan-Americano, Zamorano.

292358 to 292360.

From Peru. Seeds collected by A. T. Semple, Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica. Received Aug. 9, 1963.

292358 to 292360—Continued

292358. *DESMODIUM CANUM* (Gmel.) Schinz & Thell. Fabaceae. **Kaimi-clover.**

Tournavista. Growing in clay subsoil with poor grass.

292359. *PANICUM MAXIMUM* Jacq. Poaceae. **Guineagrass.**

Pucallpa airstrip.

292360. *PHASEOLUS LATHYROIDES* L. Fabaceae.

Pucallpa airstrip.

292361. ILEX MITIS Radlk. Aquifoliaceae.

From the Republic of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands, Cape Province. Received Aug. 9, 1963.

No. 372.

292362 to 292371. BOEHMERIA NIVEA (L.) Gaud. Urticaceae. **Ramie.**

From China. Rhizomes presented by the Taiwan Agricultural Research Institute, Taipei, and now held at the Everglades Expt. Sta., Belle Glade, Fla. Numbered Aug. 9, 1963.

Early varieties:

292362. 'First Ramie'.

292365. 'Tah-Hsinen-Tze'.

292363. 'Nanhua Green Skin'.

292366. 'Tainan White Skin'.

292364. 'Sinchu Red Pith'.

Late varieties:

292367. 'Black Skin No. 4'.

292370. 'Ti-Shan No. 3'.

292368. 'Da-Pon Green Pith'.

292371. 'Yilan No. 1'.

292369. 'Miyazaki 112'.

292372 to 292379. PYRUS COMMUNIS L. Malaceae.

From the Union of Soviet Socialist Republics. Scions presented by the Moscow Experimental Station of Fruit Culture. Numbered Aug. 9, 1963.

From the Ukraine, the northern limits for European pears.

292372. 'Novogodnaia' ('New Year').

292373. 'Trubchanka Popularnia' ('Common Trubchanka').

From the Bryansk region, R.S.S.R., the northern limit of pear growing in the U.S.S.R.

292374. 'Trubchanka Zolotaia' ('Golden Trubchanka').

292375. 'Lesnaia Krasavitza' ('Forest Beauty').

292376. 'Iubileinaia' ('Jubilee').

292377. 'Ranniaia Mleevskaia' ('Early Mleevska').

292378. 'Podarok Oktiabra' ('October Gift').

292379. 'Radchinskaia' ('Radchinska').

292380 to 292506.

From Israel. Seeds presented by the Plant Introduction Service, The National and University Institute of Agriculture, Rehovoth. Received Aug. 12, 1963.

292380. *ACACIA SPIROCARPA* Hochst. ex Rich. Mimosaceae.

No. 15-71. Seeds appear immature.

292380 to 292506—Continued

292381. *ALLIUM CURTUM* Boiss. & Gaill. Liliaceae.
No. 43-72.
292382. *ALLIUM HIRSUTUM* Zucc.
No. 44-72.
292383. *ALLIUM TEL-AVIVENSE* Eig.
No. 45-72.
292384. *ARGYROLOBIUM UNIFLORUM* (Dcne.) Jaub. & Spach Fabaceae.
No. 17-71.
292385. *ASTRAGALUS ANNULARIS* Forsk. Fabaceae.
No. 3-71.
292386. *ASTRAGALUS CRUCIATUS* Link
No. 2-71.
- 292387 and 292388. *ASTRAGALUS HAMOSUS* L.
292387. No. 4-71.
292388. No. 79-50.
292389. *ATRIPLEX HALIMUS* L. Chenopodiaceae.
No. 7-70.
292390. *ATRIPLEX LEUCOCLADA* Boiss.
No. 6-70.
292391. *ATRIPLEX PARVIFOLIA* Lowe
No. 8-70.
292392. *BISERRULA PELECINUS* L. Fabaceae.
No. 1-71.
292393. *CASSIA OBOVATA* Collad. Caesalpinaceae.
No. 16-71.
292394. *CITRULLUS COLOCYNTHIS* (L.) Schrad. Cucurbitaceae. Colocynth.
No. 41-71.
292395. *COLUTEA ISTRIA* Mill. Fabaceae. Bladder-senna.
No. 37-51.
292396. *CUCUMIS PROPHETARUM* L. Cucurbitaceae.
No. 40-71.
292397. *HEDYSARUM PALLENS* Halacsy Fabaceae.
No. 7-71.
292398. *HIPPOCREPIS BICONTORTA* Loisel. Fabaceae.
No. 97-70.
292399. *HIPPOCREPIS UNISILIQUOSA* L.
No. 96-70.
- 292400 and 292401. *HYMENOCARPOS CIRCINNATUS* (L.) Savi Fabaceae.
292400. No. 33-51.
292401. No. 91-70.
- 292402 to 292404. *HYPARRHENIA HIRTA* (L.) Stapf Poaceae.
292402. No. 22-72.
292403. No. 29-72.
292404. No. 30-72.

292380 to 292506—Continued

292405. *LATHYRUS OCHRUS* (L.) DC. Fabaceae.
No. 12-71.
292406. *LATHYRUS PSEUDO-CICERA* Pampan.
No. 58-51.
292407. *LOTUS CRETICUS* L. Fabaceae.
No. 67-50.
292408. *LOTUS PALUSTRIS* Willd.
No. 93-70.
292409. *LOTUS TENUIFOLIUS* Presl
No. 52-51.
292410. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae.
No. 21-70. Seeds small.
292411. *LUPINUS HIRSUTUS* L. **European blue lupine.**
No. 20-70.
292412. *LUPINUS LUTEUS* L. **European yellow lupine.**
No. 22-70.
292413. *LUPINUS PALAESTINUS* Boiss.
No. 19-70.
292414. *LUPINUS PILOSUS* Murray
No. 93-50.
- 292415 and 292416. *MEDICAGO CILIARIS* (L.) All. Fabaceae.
292415. No. 36-51. Annual.
292416. No. 53-70. Annual.
292417. *MEDICAGO MARINA* L.
No. 31-70. Perennial.
292418. *MEDICAGO MINIMA* (L.) Grufbergs **Little medic.**
No. 45-70. Annual.
- 292419 to 292422. *MEDICAGO ORBICULARIS* (L.) All. **Buttonclover.**
292419. No. 34-70. Annual.
292420. No. 35-70. Annual.
292421. No. 36-70. Annual.
292422. No. 37-70. Annual.
- 292423 to 292429. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.)
Shinners **California burclover.**
292423. No. 46-70. Annual.
292424. No. 47-70. Annual.
292425. No. 48-70. Annual.
292426. No. 49-70. Annual.
292427. No. 50-70. Annual.
292428. No. 51-70. Annual.
292429. No. 52-70. Annual.
- 292430 and 292431. *MEDICAGO ROTATA* Boiss.
292430. No. 38-70. Annual.
292431. No. 39-70. Annual.

292380 to 292506—Continued

- 292432 and 292433. *MEDICAGO SCUTELLATA* (L.) Mill. Snail medic.
 292432. No. 32-70. Annual.
 292433. No. 33-70. Annual.
- 292434 to 292436. *MEDICAGO TRIBULOIDES* Desr. Barrel medic.
 292434. No. 42-70. Annual.
 292435. No. 43-70. Annual.
 292436. No. 44-70. Annual.
- 292437 to 292439. *MEDICAGO TUBERCULATA* (Retz.) Willd. Cogwheel medic.
 292437. No. 40-70. Annual.
 292438. No. 41-70. Annual.
 292439. No. 57-51. Annual.
292440. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.
 No. 54-70.
292441. *ONOBRYCHIS SQUARROSA* Viv. Fabaceae.
 No. 9-71.
- 292442 and 292443. *ONONIS ALOPECUROIDES* L. Fabaceae.
 292442. No. 28-70.
 292443. No. 29-70.
292444. *ONONIS NATRIX* L.
 No. 25-70.
292445. *ONONIS PUBESCENS* L.
 No. 26-70.
292446. *ONONIS SERRATA* Forsk.
 No. 27-70.
292447. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.
 No. 6-72.
292448. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack. Ricegrass.
 No. 7-72.
- 292449 to 292453. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook ex Aschers. & Schweinf. Smilgrass.
 292449. No. 1-72. 292452. No. 4-72.
 292450. No. 2-72. 292453. No. 5-72.
 292451. No. 3-72.
292454. *PANICUM TURGIDUM* Forsk. Poaceae.
 No. 90-50.
292455. *PENNISSETUM ASPERIFOLIUM* (Desf.) Kunth Poaceae.
 No. 25-72.
- 292456 to 292461. *PHLEUM SUBULATUM* (Savi) Aschers. & Graebn. Poaceae.
 292456. No. 16-72. 292459. No. 19-72.
 292457. No. 17-72. 292460. No. 20-72.
 292458. No. 18-72. 292461. No. 21-72.
292462. *LATHYRUS APHACA* L. Leguminosae.
 No. 59-51.
- 292463 and 292464. *PSORALEA BITUMINOSA* L. Fabaceae. Scurf-pea.

292380 to 292506—Continued

292463. No. 98-70.
 292464. No. 99-70.
 292465 and 292466. SCORPIURUS MURICATA L. Fabaceae.
 292465. No. 30-51.
 292466. No. 95-70.
 292467 and 292468. TETRAGONOLOBUS PALAESTINUS Boiss. Fabaceae.
 292467. No. 8-71.
 292468. No. 94-70.
 292469. TRIFOLIUM CAMPESTRE Schreb. Fabaceae. **Large hopclover.**
 No. 90-70.
 292470. TRIFOLIUM CHERLERI L.
 No. 34-51.
 292471 and 292472. TRIFOLIUM CLYPEATUM L.
 292471. No. 55-51.
 292472. No. 69-70.
 292473 and 292474. TRIFOLIUM DICHROANTHUM Boiss.
 292473. No. 67-70.
 292474. No. 68-70.
 292475. TRIFOLIUM LAPPACEUM L. **Lappa clover.**
 No. 58-70.
 292476 to 292478. TRIFOLIUM PALAESTINUM Boiss.
 292476. No. 64-70.
 292477. No. 65-70.
 292478. No. 66-70.
 292479 and 292480. TRIFOLIUM PILULARE Boiss.
 292479. No. 56-51.
 292480. No. 81-70.
 292481 to 292484. TRIFOLIUM PURPUREUM Loisel.
 292481. No. 54-51. 292483. No. 62-70.
 292482. No. 61-70. 292484. No. 63-70.
 292485. TRIFOLIUM STELLATUM L.
 No. 60-70.
 292486 and 292487. TRIFOLIUM STENOPHYLLUM Boiss.
 292486. No. 88-70.
 292487. No. 89-70.
 292488 to 292498. TRIFOLIUM SUBTERRANEUM L. **Subterranean clover.**
 292488. No. 70-70. 292494. No. 76-70.
 292489. No. 71-70. 292495. No. 77-70.
 292490. No. 72-70. 292496. No. 78-70.
 292491. No. 73-70. 292497. No. 79-70.
 292492. No. 74-70. 292498. No. 80-70.
 292493. No. 75-70.
 292499 and 292500. TRIFOLIUM TOMENTOSUM L.
 292499. No. 84-70.

292380 to 292506—Continued

292500. No. 85-70.

292501. *TRIFOLIUM ISRAELITICUM* Zoh. & Katsn.

No. 18-71.

292502 and 292503. *TRIGONELLA ARABICA* Delile Fabaceae.

292502. No. 29-51.

292503. No. 30-70.

292504. *VICIA HYBRIDA* L. Fabaceae.

No. 11-71.

292505. *VICIA PEREGRINA* L.

No. 82-50.

292506. *VIGNA NILOTICA* (Delile) Hook. f.

No. 13-71.

292507. *PYRUS COMMUNIS* L. Malaceae.

From Australia. Scions presented by the Department of Agriculture, Sydney, New South Wales. Received Aug. 13, 1963.

'Mock's William'.

292508 to 292510. *CYNODON DACTYLON* (L.) Pers. Poaceae.
Bermudagrass.

From Japan. Stolons collected by W. W. Huffine, Oklahoma State College, Stillwater. Received Aug. 13, 1963.

292508. Col. No. 73-473. Sandy soil, Enoshima Beach, Honshu. Sea level. August 1963.

292509. Col. No. 73-475. Sandy soil, Hiratsuka Beach, Honshu. Sea level. August 1963.

292510. Col. No. 74-477. Sandy soil, Komatsugawa River, Tokyo. August 1963.

292511 to 292520.

From Yugoslavia. Scions presented by the Centar za Unapredjenjo Poljoprivrede, Belgrade. Received Aug. 13, 1963.

292511. *PRUNUS AMYGDALUS* Batsch Amygdalaceae. **Almond.**
'Spicy'.292512 to 292520. *PRUNUS ARMENIACA* L. **Apricot.**

292512. 'Ahrori'. 292516. 'Supkhani'.

292513. 'Arzami'. 292517. 'Uljanishcheva 23'.

292514. 'Hungarian Girant' 292518. 'Uljanishcheva 25'.

('Early Giant'). 292519. 'White Shiraz'.

292515. 'Mikitsky'. 292520. 'Yalta'.

292521. *DIOSPYROS KAKI* L. Diospyraceae. **Oriental persimmon.**

From Japan. Budsticks presented by the Kanagawa Horticultural Experiment Station, Ninomiya, Kanagawa-ken. Received Aug. 13, 1963.

'Wase-jiro'.

292522. *VERNONIA ANTHELMINTICA* (L.) Willd. Asteraceae.
Kinkaoil ironweed.

From Pakistan. Seeds collected by N. A. Siddiqi, Rawalpindi, under United States Public Law 480. Numbered Aug. 16, 1963.

No. 16-38. From the eastern part of West Pakistan.

292523. HIBISCUS ACETOSELLA Welw. Malvaceae.

From Kenya. Seeds presented by the East African Herbarium, Nairobi.
Received Aug. 20, 1963.

292524. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From Australia. Seeds presented by H. Lyne, Northwestern Australia.
Received August 20, 1963.

'Rock Melon'. Fruit round, highly flavored.

292525 to 292564.

From Israel. Seeds presented by the Faculty of Agriculture, Hebrew University, Rehovot. Received Aug. 20, 1963.

292525 to 292544. AVENA BARBATA Brot. Poaceae. Slender oats.

- 292525. No. 7-2. Misgav'Am, upper Galilee.
- 292526. No. 7-3. Kefar Gil'adi, upper Galilee.
- 292527. No. 7-4. Dan, Aiun.
- 292528. No. 7-5. Margaliyyot, upper Galilee.
- 292529. No. 7-6. Bet Hillel, Hula Valley.
- 292530. No. 7-7. 'Amir, Hula Valley.
- 292531. No. 7-8. Kefar Scold, Hula Valley.
- 292532. No. 7-9. Ramim, upper Galilee.
- 292533. No. 7-10. Shamir, Hula Valley.
- 292534. No. 7-11. Tel Kedesh, eastern upper Galilee.
- 292535. No. 7-12. Lahavot Habashan, Hula Valley.
- 292536. No. 7-13. Kefar Rosh Haniqra, Galilee coast.
- 292537. No. 7-14. Shelomi, upper Galilee.
- 292538. No. 7-15. Elon, upper Galilee.
- 292539. No. 7-19. Avivim, upper Galilee.
- 292540. No. 7-20. 'Alma, eastern upper Galilee.
- 292541. No. 7-21. Dishon, upper Galilee.
- 292542. No. 7-22. 'En Hur, Hula Valley.
- 292543. No. 7-24. Nahariyya, Galilee coast.
- 292544. No. 7-25. Yehi'am-Mi'ilya Junction, upper Galilee.

292545 to 292564. AVENA STERILIS L. Poaceae. Animated oats.

- 292545. No. 6-1. Metulla.
- 292546. No. 6-2. Misgav 'Am, upper Galilee.
- 292547. No. 6-3. Kefar Gil'adi, upper Galilee.
- 292548. No. 6-4. Dan, Aiun.
- 292549. No. 6-5. Margaliyyot, upper Galilee.
- 292550. No. 6-6. Bet Hillel, Hula Valley.
- 292551. No. 6-8. Ramim, upper Galilee.
- 292552. No. 6-10. 'Amir, Hula Valley.
- 292553. No. 6-11. Tel Kedesh, eastern upper Galilee.
- 292554. No. 6-12. 'En Agmon, Hula Valley.
- 292555. No. 6-13. Gonen, Hula Valley.
- 292556. No. 6-14. Kefar Rosh Haniqra, Galilee coast.
- 292557. No. 6-15. Shelomi, Galilee coast.

292525 to 292564—Continued

292558. No. 6-21. Elon, upper Galilee.
 292559. No. 6-25. Avivim, upper Galilee.
 292560. No. 6-26. 'Alma, eastern upper Galilee.
 292561. No. 6-27. Dishon, upper Galilee.
 292562. No. 6-28. 'En Hur, upper Galilee.
 292563. No. 6-29. Ashmura, Hula Valley.
 292564. No. 6-30. Nahariyya, Galilee coast.

292565 to 292568.

From Kenya. Seeds presented by the East African Agriculture and Forestry Research Institute, Nairobi. Received Aug. 20, 1963.

292565. *HIBISCUS DONGOLENSIS* Del. Malvaceae.

B.9968. From Bardera Dist., Somaliland.

292566. *HIBISCUS VITIFOLIUS* L.

Nairobi.

292567. *HIBISCUS* sp.

B.8124 (a). From Kivunje N. Pare, Tanganyika.

292568. *HIBISCUS* sp.

B-11533. From east of Endulu, Masai Dist., Tanganyika.

292569. *CYNODON DACTYLON* (L.) Pers. Poaceae.

Bermudagrass.

From Hong Kong. Seeds collected and presented by W. W. Huffine, Oklahoma State University, Stillwater. Received Aug. 20, 1963.

Col. No. 68-460. Sea level, Kowloon, Hong Kong.

292570 to 292572.

From the Philippines. Seeds collected and presented by W. W. Huffine, Oklahoma State University, Stillwater. Received Aug. 20, 1963.

292570. *CYNODON ARCUATUS* J. S. Presl ex K. B. Presl. Poaceae.

Col. No. 71-471. Stony, sandy, hilly roadside, Little Bagio, Mariveles, Bataan, Luzon.

292571 and 292572. *CYNODON DACTYLON* (L.) Pers.

Bermudagrass.

292571. Col. No. 71-469. Sandy soil, sea level, along Lamao River, Lamao Expt. Sta., Bataan, Luzon.

292572. Col. No. 71-470. Alasasin, Mariveles, Bataan, Luzon.

292573 to 292575. *CYNODON DACTYLON* (L.) Pers. Poaceae.

Bermudagrass.

From Thailand. Seeds collected and presented by W. W. Huffine, Oklahoma State University, Stillwater. Received Aug. 20, 1963.

292573. Col. No. 67-457. Lateritic soil, Danish-Thai dairy farm, Muag Lek, Saraburi. Elevation 600 feet.

292574. Col. No. 67-458. Red clay-loam soil, hilly terrain, Forage Crops Sta., Pakchong, Nakhon Ratchasima. Elevation 650 feet.

292575. Col. No. 67-459. Park adjacent to Royal Palace, Bangkok. Elevation less than 100 feet.

292576. CASIMIROA PRINGLEI (S. Wats.) Engl. Rutaceae.

From the United States. Seeds presented by R. A. Vines, Houston, Tex.
Received Aug. 21, 1963.

Collected in Brownsville, but native to Mexico. Tree to 25 feet high, 20-25 years old, prolific fruiting; trunk 1 foot in diameter; bark smooth, tight, mottled light and dark gray; crown spreading; foliage dense; leaves alternate, trifoliately compound, leathery, citruslike; fruit yellow, asymmetrical, to 2 inches long, in clusters, one-seeded, may be edible, but sometimes slightly bitter, beginning to ripen early August; pulp fleshy, sweet; seed asymmetrical, hard. Tree cold hardy at Brownsville; has ornamental possibilities.

292577. LESQUERELLA DENSIPILA Rollins Brassicaceae.

From the United States. Seeds collected by E. E. Terrell and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 22, 1963.

Col. No. T & B 3350. Old cornfield, 10 miles northwest of Lewisburg, Maury County, Tenn.

292578. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Australia. Seeds presented by the Agriculture Research Institute, Wagga Wagga, New South Wales. Received Aug. 22, 1963.

'Falcon'.

292579 to 292623.

From Israel. Seeds presented by the Plant Introduction Service, The National and University Institute of Agriculture, Rehovoth. Received Aug. 12, 1963.

292579. AEGILOPS KOTSCHYI Boiss. Poaceae.

No. 94-71.

292580 and 292581. AGROPYRON JUNCEUM (L.) Beauv. Poaceae.

292580. No. 65-50. Seeds small.

292581. Seeds large.

292582. ASTRAGALUS BERSABEENSIS Eig & Samuelsson Fabaceae.

No. 5-71.

292583. ASTRAGALUS SANCTUS Boiss.

No. 6-71.

292584. BROMUS SYRIACUS Boiss. & Blanche Poaceae.

No. 55-71.

292585. BRYONIA MULTIFLORA Boiss. & Heldr. Curcubitaceae.

No. 43-71.

292586 to 292593. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

292586. No. 61-71.

292590. No. 65-71.

292587. No. 62-71.

292591. No. 66-71.

292588. No. 63-71.

292592. No. 67-71.

292589. No. 64-71.

292593. No. 68-71.

292594. DANTHONIA FORSKALII (Vahl) Trin. Poaceae.

No. 74-71.

292595. DAUCUS AUREUS Desf. Apiaceae.

No. 26-51.

292579 to 292623—Continued

292596. DAUCUS BROTERI Tenore
No. 30-71.
292597. ECBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae.
Squirting-cucumber.
No. 42-71.
292598. ECHINOCHLOA COLONUM (L.) Link Poaceae.
No. 23-72.
292599. ERAGROSTIS BIPINNATA Muschl. Poaceae.
No. 71-71.
292600. ERAGROSTIS CILIANENSIS (All.) Lutati
No. 72-71.
292601. ERAGROSTIS BIPINNATA Muschl.
No. 73-71.
- 292602 to 292604. FESTUCA ARUNDINACEA Schreb. Poaceae. Tall fescue.
292602. No. 50-71.
292603. No. 51-71.
292604. No. 52-71.
- 292605 to 292610. HORDEUM BULBOSUM L. Poaceae. Bulbous barley.
292605. No. 78-71. 292608. No. 81-71.
292606. No. 79-71. 292609. No. 82-71.
292607. No. 80-71. 292610. No. 83-71.
292611. LOTUS CYTISOIDES L. Fabaceae.
No. 92-70.
292612. LOTUS PALUSTRIS Willd.
No. 92-70.
292613. MELILOTUS INDICA (L.) All. Fabaceae. Annual yellow sweetclover.
No. 56-70.
292614. ORYZOPSIS MILIACEA (L.) Benth. & Hook. ex Aschers. & Schweinf. Poaceae. Smilgrass.
No. 99-71.
292615. PENNISETUM DICHOTOMUM (Forsk.) Delile Poaceae.
No. 24-72.
292616. PHALARIS BRACHYSTACHYS Link Poaceae.
No. 13-72.
292617. PHALARIS MINOR Retz. Littleseed canary grass.
No. 14-72.
292618. SCHISMUS ARABICUS Nees Poaceae.
No. 69-71.
292619. STIPA FONTANESII Parl. Poaceae.
No. 96-71.
292620. STIPA TORTILIS Desf. Needlegrass.
Foot of Mt. Gilboa.
292621. TRIFOLIUM SPUMOSUM L. Fabaceae.
No. 87-70.

292579 to 292623—Continued

292622. *TRIFOLIUM STELLATUM* L.
No. 59-70.

292623. *TRIFOLIUM TOMENTOSUM* L.
No. 86-70.

292624. PASSIFLORA EDULIS f. FLAVACARPA Degener Passifloraceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Aug. 23, 1963.

Q. 687. From Queensland.

292625. SOLANUM sp. Solanaceae.

From Ecuador. Seeds collected by E. P. Imle, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 23, 1963.

Col. No. 125. Steep, wet, foggy, roadside bank between Santo Domingo and Quito. Elevation 2,600 meters. Plant runner, on ground and ascending tree about 6 meters high; flowers yellow, numerous; fruits plentiful but not fully ripe. No *Phytophthora* noted.

292626 to 292630. CORDIA BOISSIERI A. DC. Boraginaceae.

From the United States. Seeds presented by the Laredo Junior College, Laredo, Tex. Received Aug. 26, 1963.

Ornamental shrub or small tree.

292626. No. 1.

292629. No. 4.

292627. No. 2.

292630. No. 5.

292628. No. 3.

292631 and 292632. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Aug. 26, 1963.

292631. 'Branco Especial'. Seeds large; testa white.

292632. 'Paraguai No. 1'. Seeds large; testa red.

292633 and 292634. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

From Japan. Seeds collected and presented by W. W. Huffine, University of Oklahoma, Stillwater. Received Aug. 26, 1963.

292633. Col. No. 73-474. Sandy beach, Enoshima, Honshu.

292634. Col. No. 73-476. Sandy soil, Kodzu, Honshu. Sea level.

292635 to 292638.

From Argentina. Seeds presented by the Correntino Agricultural Extension and Research Center, Corrientes. Received Aug. 26, 1963.

292635. *PASPALUM GUENOARUM* Arech. Poaceae.
'Pasto Ramirez'.

292636. *PASPALUM ROJASII* Hack.
'Pasto Rojas'.

292637 and 292638. *CENCHRUS CILIARIS* L. Poaceae. Buffelgrass.

292637. 'Pasto Salinas 284'.

292638. 'Pasto Salinas 604'.

292639 to 292655.

From the United States. Cuttings collected by R. L. Ticknor in Washington, now growing at the North Willamette Experiment Station, Aurora, Oreg. Numbered Aug. 27, 1963.

292639 to 292641. ARCTOSTAPHYLOS UVA-URSI (L.) Spreng. Ericaceae.

292639. Col. No. 35. Evergreen forest on lava bed, 6 miles north of Willard, South Prairie Road, Skamania County. Elevation 2,940 feet. Plants a spreading mat, free from winter injury; leaves 1.28 by 0.52 inches. May 1963.

292640. Col. No. 36. Evergreen forest on lava bed, 6 miles north of Willard, South Prairie Road, Skamania County. Elevation 2,940 feet. Plants a spreading mat, free from winter injury; leaves 1.12 by 0.36 inches. May 1963.

292641. Col. No. 37. Evergreen-oak forest, roadside hill, 7.9 miles west of Goldendale, Klickitat road, Klickitat County. Elevation 1,475 feet. Plants compact, taller than usual; bark exfoliating, conspicuous. July 1963.

292642 to 292655. CEANOTHUS PROSTRATUS Benth. Rhamnaceae.

Collected July 1963.

292642. Col. No. 21. Sandy roadside, pine forest, 4 miles north of Goldendale, 0.5 mile to Carp Lake road junction. Elevation 1,900 feet. Plants mildly winter burned; leaves 0.84 by 0.32 inch; flowers white.

292643. Col. No. 22. Open pine-oak forest, 6.4 miles west of Goldendale, road to Klickitat. Elevation 1,760 feet. Plant free from winter injury; leaves 1.12 by 0.44 inches; flowers off white.

292644. Col. No. 23. Open pine-oak forest, 6.4 miles west of Goldendale, road to Klickitat. Elevation 1,760 feet. Plants free from winter injury; leaves 0.84 by 0.32 inches; flowers lavender.

292645. Col. No. 24. Open pine-oak forest, 6.4 miles west of Goldendale, road to Klickitat. Elevation 1,760 feet. Plants free from winter injury; leaves 1.08 by 0.48 inches; flowers lavender.

292646. Col. No. 25. Open pine-oak forest, 6.4 miles west of Goldendale, road to Klickitat. Elevation 1,760 feet. Plants free from winter injury; leaves 0.88 by 0.4 inches; flowers blue.

292647. Col. No. 26. Open pine-oak forest, 6.4 miles west of Goldendale, road to Klickitat. Elevation 1,760 feet. Plants free from winter injury; leaves 0.88 by 0.32 inches; flowers pale lavender.

292648. Col. No. 27. Open pine-oak forest, 6.4 miles west of Goldendale, road to Klickitat. Elevation 1,760 feet. Plants free from winter injury; leaves 0.8 by 0.24 inches; flowers pale lavender.

292649. Col. No. 28. Full sun, evergreen-oak forest, 5 miles west of log-loading area on Goldendale-Glenwood road, Klickitat County. Elevation 1,480 feet. Leaves 0.88 by 0.28 inches; flowers lavender.

292650. Col. No. 29. Full sun, evergreen-oak forest, 5 miles west of log-loading area on Goldendale-Glenwood road, Klickitat County. Elevation 1,480 feet. New growth bark redder than usual; leaves 0.84 by 0.36 inch; flowers lavender.

292651. Col. No. 30. Full sun, evergreen-oak forest, near Glenwood. Elevation 1,680 feet. Leaves 0.68 by 0.24 inch, mostly trident; flowers pale lavender.

292652. Col. No. 31. Evergreen-oak forest, Klickitat County. Elevation 1,680 feet. Leaves 0.84 by 0.32 inch; flowers blue.

292639 to 292655—Continued

292653. Col. No. 32. Evergreen-oak forest, 1 mile east of Creek outlet, Goldendale-Glenwood road, Klickitat County. Elevation 1,800 feet. Plant 8 inches diameter; foliage good; leaves 0.6 by 0.24 inches; flowers pale lavender.

292654. Col. No. 33. Evergreen-oak forest, 1 mile east of creek outlet, Goldendale-Glenwood road, Klickitat County. Elevation 1,800 feet. Plant floriferous; foliage good; leaves 0.88 by 0.28 inch, many trident; flowers pale lavender.

292655. Col. No. 34. Evergreen-grass area, 6.6 miles south of the Appleton junction, Goldendale-Glenwood road, Klickitat County. Plant 2.5 by 2 feet; flowers white.

292656. PYRUS COMMUNIS L. Malaceae.

From France. Scions presented by the Station de Recherches d'Arboriculture et d'Oenologie, Angers. Received Sept. 5, 1963.

'Coscia'.

292657 to 292683.

From Mexico and the United States. Plants collected by H. S. Gentry, A. S. Barclay, and J. Arguelles, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 27, 1963.

From Mexico unless otherwise noted.

292657 to 292660. AGAVE AMERICANA L. Amaryllidaceae. Centuryplant.

292657. Col. No. 20022. Roadside, 37 miles north of Saltillo, road to Piedras Negras, Coahuila. Elevation 3,300 feet. Large glaucous maguey rosettes, forming offshoots when young; panicle to 23 feet high with 18-20 flowering laterals; buds pink-tipped; tepals and anther lobes yellow, remainder green; panicle is terminal quarter. Cultivated; used for fence and pulque.

292658. Col. No. 20080. Puerto Colorado, 7 miles northeast of Jacala, Hidalgo. Plant medium sized; rosettes grayish green with regular leaves; panicle tall, open; flowers yellow; pedicels long. Cultivated for pulque; buds eaten.

292659. Col. No. 20090. Roadside, 4 miles west of Rio Verde, road to San Luis Potosi. Elevation 3,200 feet. Plant to 7 feet high; rosettes slightly glaucous; leaves to 6 feet long, linear, straight margined. Cultivated.

292660. Col. No. 20091. Clay-loam roadside, 16 miles east of Rio Verde, road to Ciudad Valles, San Luis Potosi. Elevation 3,700 feet. Plants scattered in wild, variable; rosettes short caulescent, big headed; leaves green to glaucous, some zoned; panicles to 16 feet high with slender pedicels and 10-15 laterals; flowers slender, yellow; filaments long.

292661. AGAVE BRACTEOSA S. Wats.

Col. No. 20020. Limestone rocks, near old mine, 18 miles northeast of Alttillo, road to Monterey, Coahuila. Elevation 5,250 feet. Plants single and in clumps; rosettes small, open, yellow green; spikes dense to about 3 feet high, white; flowers dry.

292662 and 292663. AGAVE FALCATA Engelm.

292662. Col. No. 20024. In wild, 24 and 61 miles north of Saltillo, road to Piedras Negras, Coahuila. Elevation 4,000 feet. Plant cespitose, many leaved, light green, polycarpic; rosettes with straight or falcate, stiff leaves; spikes to 6 feet high; flowers in terminal third, green, purple or reddish; anthers usually bronze.

292663. Col. No. 20097. Along Route 57, 37 miles north of Matehuala, Nuevo Leon. Elevation 5,300 feet. Rosettes in clumps; leaves long; peduncles long; flowers green, yellow or reddish purple.

292657 to 292683—Continued

292664 and 292665. AGAVE LECHEGUILLA Torr. Tula istle.

292664. Col. No. 20015. In wild, Sierra de la Silla, Nuevo Leon. Plant large, vigorous, suckering rosettes; spikes erect to arching; tepals and filaments reddish.

292665. Col. No. 20081. Roadside by Rio Tula, 13 miles northwest of Ixmiquilpan, road to Zimapan, Hidalgo. Elevation 5,300 feet. Plants variable, scattered in wild; leaves large, variable; teeth variable; spikes to 20 feet high, in bud, flowering and fruiting; flowers yellow or pink tinged; anthers yellow or bronze; tepals reflexing erect.

292666. AGAVE LOPHANTHA Schiede Crested agave.

Col. No. 20092. Limestone outcrop, roadside 38 miles east of Rio Verde, road to Ciudad Valles, San Luis Potosi. Elevation 5,200 feet. Plants small, profusely suckering; rosettes green; spikes to 10 feet high; flowers pale, waxy green; anthers yellow; tepals ascending.

292667. AGAVE POLYACANTHA Haw.

Col. No. 20077. Limestone outcrop, Rancho Cielo, Sierra de las Cucharas, 8 miles southwest of Gomez Farias, Tamaulipas. Elevation 2,750 feet. Plants polycarpic, green, forming open mounds; leaves soft, tender; leaf length and teeth variable; spikes dense or lax, to 12 feet high; capsules fleshy; flowers green without, yellow within; filaments and anthers yellow; tepals outcurved.

292668. AGAVE VICTORIAE-REGINAE T. Moore

Col. No. 20043. Limestone hilltop, roadside 14 miles southeast of Saltillo, road to Monterey, 41.5 miles east of Coahuila. Elevation 5,000 feet. Plants small, compact, many leaved, suckering; leaves white marked, stiff; spiked to 13 feet high, erect, densely flowered in upper half; flowers creamy green, pink tinged; filaments pink to red; anthers bronze yellow.

292669. AGAVE sp.

Col. No. 20037. 'Carnerosana'. Limestone pine-oak area, Carneros Pass, Coahuila. Elevation 7,750 feet. Plant dark green, suckering; rosettes big headed; leaves stiff, broad, acuminate, triangular; panicles to 20 feet high; pedicels broad; sheathing bracts conspicuous; laterals broadest below, 15-20; tepals yellow to green, waxy; anthers yellow.

292670. AGAVE sp.

Col. No. 20082. 'Carnerosana'. Open rocky slope, pine-oak forest, Route 85, 18 miles northwest of Zimapan, Hidalgo. Rosettes medium to large, light green; stems many, thick; leaves basal, thick at base, somewhat guttering; panicle with large bracts to laterals; spikes to 17 feet high; tepals and stamen yellow, the rest green.

292671. AGAVE sp.

Col. No. 20074. Sunny pine and chaparral slope, Los Alpes, 40 miles east of Saltillo, Coahuila. Elevation 8,500 feet. Rosettes large, green; leaves stiff, triangular; on a big head; flower buds red on tepals, later yellowish.

292672. AGAVE sp.

Col. No. 20086. Population of about 40 small young plants 6.5 miles north of Junction of Routes 57 and 110, and one plant 1.5 miles south of junction of Routes 57 and 110, Guanajuato. Elevation 6,300 feet. Individual plant glaucous gray; rosette balled on mount of soil; leaves awry.

292673. AGAVE sp.

Col. No. 20088. Limestone rock roadside, Sierra San Manuel, 21.5 miles southeast of Ciudad San Luis Potosi, road to Rio Verde. Elevation 7,500 feet. Scattered seedling population; rosettes green; leaves radial, plane; teeth variable, porrect, on continuous margin; spikes stout, to 10 feet high; flowers congested in upper half; tepals yellowish green, with tips outflexed; anthers yellow. Wild.

292657 to 292683—Continued**292674. AGAVE sp.**

Col. No. 20089. Roadside 4 miles west of Rio Verde, road from San Luis Potosi. Elevation 3,200 feet. Plants large, glaucous gray, maguey; leaves fluted; margins undulate; panicle to 30 feet high with 18 wide laterals in upper third; ovary and tepals green, rest pale yellow. Cultivated.

292675. AGAVE sp.

Col. No. 20093. Roadside volcanic cliff, 55 miles southeast of San Luis Potosi, road to Rio Verde, San Luis Potosi. Elevation 3,500 feet. Plant narrow leaved; rosettes forming one clone; leaves sprawling.

292676. AGAVE sp.

Col. No. 20094. Roadside volcanic cliff, 55 miles southeast of San Luis Potosi, road to Rio Verde, San Luis Potosi. Elevation 3,500 feet. Plant green; rosettes radial; leaves appressed, except terminal cone.

292677. AGAVE sp.

Col. No. 20095. Limestone oak forest, Sierra de Manuel, southeast of Ciudad San Luis Potosi, road to Rio Verde, San Luis Potosi. Elevation 5,000 feet. Plant stiff, erect; rosettes green, suckering; leaves narrow, falcate, ascending, curving, margin narrow, friable; teeth small, distal; spikes to 15 feet high; tepals pale yellow within; anthers yellow; filaments pale pinkish, rest pale waxy green.

292678. AGAVE ASPERRIMA Jacobi

Col. No. 20008. Sand hill with gravel 5 miles south of Zapata along Route 83, Tex. Rosettes medium large, glaucous gray, suckering; leaves few, thick at base; trunks big; panicles open with 10-12 wide laterals in upper half; ovary and tepals green to pale yellow, erect.

292679. AGAVE sp.

Col. No. 20010. Route 83, 4 miles south of Rio Grande City, Starr County, Tex. Rosettes medium sized, green, suckering; leaves erect.

292680. AGAVE sp.

Col. No. 20079. Limestone cliff, 22 miles northeast of Jacala, Route 85, Hidalgo. Elevation 4,250 feet. Rosettes occasionally clustered; leaves few; teeth mostly weak; flowers variable in size and color, green without, yellow to lavender and purple within.

292681. AGAVE sp.

Col. No. 20076. Six miles east of Ciudad del Maiz, road to Antigua Morelos, San Luis Potosi. Elevation 3,750 feet. Rosettes medium size, suckering; leaves broad, pale green to light glaucous; teeth regular on crenate margins.

292682. MANFREDA sp. Amaryllidaceae.

Col. No. 20077. Limestone outcrop, 8 miles southwest of Gomez Farias, Tamaulipas. Elevation 3,750 feet. Plants polycarpic, green, forming open mounds; leaves soft, tender; teeth and leaf length variable; spikes tense or lax, to 3.5 meters tall; flowers green outside, yellow inside; capsules fleshy.

292683. RUNYONIA sp. Amaryllidaceae.

Col. No. 20011. In shade, near Falcon, east of Route 83, Zapata County, Texas. Plant small, brindle-leaved rosette; flowers open, white, turning purple.

292684 and 292685.

From Nigeria. Stolons and seeds collected by G. W. Burton, Georgia Coastal Plains Experiment Station, Tifton, Georgia. Received Aug. 27, 1963.

292684. CYNODON sp. Poaceae.

Col. No. 1. Shika Animal and Grassland Pasture Station, Shika. Plants coarse, very tall, relatively disease free; rhizomes long. (Stolons).

292684 and 292685—Continued292685. *CYNODON* sp.

Col. No. 1. Shika Animal and Grassland Pasture Station, Shika. Plants coarse, very tall, relatively disease free; rhizomes long. (Seeds).

292686 to 292689. AGAVE (hybrids). Amaryllidaceae.

From Mexico. Plants collected by H. S. Gentry, A. S. Barclay and J. Arguelles, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 27, 1963.

A. victoriae-reginae × *A. asperrima*. Limestone hilltop roadside, 14 miles southeast of Saltillo, road to Monterey. Elevation 5,000 feet. Plant small leaved, intermediate, without teeth; spike to 10 feet high; flowers irregularly spaced; ovaries thick; tepals not reflexing; anthers bright orange.

292686. Col. No. 20044.

292688. Col. No. 20044-B.

292687. Col. No. 20044-A.

292689. Col. No. 20044-C.

292690. (Undetermined.)

From Guatemala. Plant collected and presented by John M. Keshishian, Washington, D.C. Received Aug. 29, 1963.

Chichicastanango, Guatemala. Terrestrial, soil highly organic, acidic; flowers probably purple.

292691. TABEBUIA AVELLANEDAE Lorentz ex Griseb. Bignoniaceae.

From Argentina. Seeds presented by the Jardin Botánico, Buenos Aires. Received Aug. 30, 1963.

292692. ARACHIS HYPOGAEA L. Fabaceae.**Peanut.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Service, Pretoria, via the United States Embassy, Pretoria. Received Aug. 30, 1963.

'Chilanga Runner'. P 5154. DL/63/172.

292693. MUSSAENDA PHILIPPICA A. Rich Rubiaceae.

From the United States. Cuttings collected by H. L. Hyland, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 30, 1963.

'Dona Aurora'. From Foster Botanical Garden, Honolulu, Hawaii.

292694 and 292695. PRUNUS ARMENIACA L. Amygdalaceae.**Apricot.**

From France. Scions presented by the Station de Recherches d'Arboriculture Fruitiere, Domaine de La Grande Ferrade, Pont-de-la-Maye (Gironde). Received Sept. 3, 1963.

292694. A-20.

292695. A-384.

292696 to 292698.

From France. Plants presented by Marcel Lecoufle, Boissy-St-Leger. Received Sept. 4, 1963.

292696. *NEPENTHES GRACILIS* Korth Nephenthaceae.292697. *NEPENTHES* × *COCCINEA* Mast.292698. *NEPENTHES* sp.

'Marcoz'.

292699 to 292706.

From Poland. Scions presented by the Research Institute of Pomology, Skierniewice. Received Sept. 6, 1963.

292699 to 292706—Continued

292699 to 292704. *PRUNUS ARMENIACA* L. Amygdalaceae. **Apricot.**

292699. 'Irany Oliu'.

292700. 'Kiec Pszar'.

292701. 'Aleksandriskij Czarnyj'.

292702. 'Oranzevo Krasnyj'.

292703. 'Tlor-ciran'.

292704. 'Uzpieck'.

292705 and 292706. *PRUNUS PERSICA* (L.) Batsch **Peach.**

292705. 'Hui-hun-tao'.

292706. Winter peach × 'Sining-shui-mi'.

292707. CYNODON sp. Poaceae.

From Uganda. Seeds collected by G. W. Burton, Georgia Coastal Plains Experiment Station, Tifton. Received Sept. 9, 1963.

Col. No. 2. 'Giant Cynodon'. Heavy cattle-fertilized pasture, Serere Research Station, Soroti. Plant large, coarse, with many racemes, relatively disease free; seed set good. Originally from Jacaranda coffee station, Kenya.

292708 and 292709.

From Kenya. Stolons and seeds collected by G. W. Burton, Georgia Coastal Plains Experiment Station, Tifton. Received Sept. 9, 1963.

292708. *CYNODON* sp. Poaceae.

Col. No. 3. 'Giant Hybrid'. From A. V. Bogdon, Kitale. Stolons of F₁ progeny from clone K-51426. Plant about 4 feet high, very coarse, without heads. Disease free.

292709. *CYNODON* sp.

Col. No. 4. 'Large Bermuda K-56357'. Seeds from one plant with uniform progeny; may be apomictic. Plant about 2 feet high; seed set excellent.

292710 to 292713. MATRICARIA CHAMOMILLA L. Asteraceae. German camomile.

From the United Arab Republic. Seeds presented by Tewfik Fahmy, Harania-Giza. Received Sept. 9, 1963. Beba, Egypt, type selections; line purity not completely established.

292710. Type A. Selection from bulk seed, originally from Holland. Plants decumbent.

292711. Type B1. Selection from bulk seed, originally from Holland. Plants upright.

292712. Type B2. Selection from bulk seed, originally from Holland. Plants upright.

292713. Type D. From eastern Europe. Plants upright; flowers large.

292714 to 292724. FRAGARIA (hybrids). Rosaceae.

From the Netherlands. Plants represented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received Sept. 9, 1963.

292714. No. 667.

292720. No. 6263.

292715. No. 790.

292721. No. 55109.

292716. No. 5417.

292722. No. 55154.

292717. No. 5564.

292723. No. 56191.

292718. No. 5832.

292724. No. 58125.

292719. No. 6253.

292725 to 292727. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received Sept. 9, 1963.

292725. 48-3166.

292726. 51-2279.

292727. 51-8194.

292728 to 292735. BEGONIA SEMPERFLORENS Link & Otto Begoniaceae.

From Germany. Seeds presented by Gustav Teichner, Poggenhagen. Received Jan., 1963. Numbered Sept. 10, 1963.

Improved and distinct, fibrous, F₁ hybrids.

292728. B-55558. 'Louise Leuchtendrosa' (Louise'). No. 2001. Plants 8 inches high; leaves dark green; flowers bright rose.

292729. B-55561. 'Nordlicht' ('Northern Light'). No. 2002. Plants 8 inches high, robust; leaves bronze; flowers white, profuse. Does well in poor, sandy soil.

292730. B-55562. 'Othello'. No. 2006. Plants 8 inches high; leaves dark; flowers bright red.

292731. B-55563. 'Patria Mittelrosa' ('Patria'). No. 2054. Improved 'Carmen'. Plants 6 inches high; leaves dark, glossy; flowers bright red.

292732. B-55564. 'Steffi'. No. 2058. Plants 6 inches high; leaves dark; flowers salmon pink. A new flower color in dark-leaved begonias. Flower and leaf color contrast excellent.

292733. B-55565. 'Rosa Teicher'. No. 2049. Plants 6 inches high; leaves green; flowers to 1.5 inches diameter, light pink, numerous. Tolerates heat and rain.

292734. B-55566. 'Rose Wunder' ('Rose Wonder'). Plants to 6 inches high; leaves green; flowers bright rose.

292735. B-55567. 'Rotes Wunder' (Red Wonder'). Plants to 7 inches high; leaves green; flowers bright red.

292736 and 292737. NICOTIANA TABACUM L. Solanaceae.

From the Republic of South Africa. Seeds presented by the Department of Agriculture and Forestry, Pretoria. Received Sept. 10, 1963.

292736. C 11. OL/63/170.

292737. MK 94. OL/63/171.

292738 to 292744. GOSSYPIUM (hybrids). Malvaceae.

From Pakistan. Seeds presented by the United States Embassy, Karachi. Received Sept. 10, 1963.

292738. AC-134.

292742. M-100.

292739. L-11.

292743. 4-F.

292740. LSS.

292744. 124-F.

292741. M-4.

292745. SACCHARUM (hybrid). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received Sept. 12, 1963.

'H 109'.

292746 to 292748. PRUNUS MAHALEB L. Amygdalaceae. Mahaleb cherry.

From France. Scions presented by the Institut National de la Recherche Agronomique, Bordeaux. Received Sept. 13, 1963.

292746. S.L.54. Isolated from French G-2, School of Agriculture, Grignon. Leaves small.

292747. 'S.L. Ansaloni'. 1960 Type 1. Possible pollinator for all other mahaleb varieties. Plant vigorous; foliage intermediate.

292748. S.L. Tu 21. From Turkey. Plant vigorous; leaves large; fruit yellow.

292749. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

From Canada. Seeds presented by the Central Experimental Farm, Ottawa, Ontario. Received Sept. 16, 1963.

'Rideau'.

292750. DICHANTHIUM ARISTATUM (Poir.) C. E. Hubb. Poaceae. Angleton grass.

From the Philippines. Stolons presented by the Department of Agriculture and Natural Resources, Manila. Received Aug. 30, 1963. Numbered Sept. 17, 1963.

'Alabang Grass'.

292751 to 292760. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Spain. Seeds presented by the Centro de Cerealicultura, Madrid. Received Sept. 17, 1963.

292751. F-4-5. 895.

292756. 'Mara' 1319.

292752. 'Forlani' 939.

292757. 'Navara' 1222.

292753. 'Gallego 2' 1206.

292758. 'Navarro 101' 1205.

292754. 'Ideal' 1198.

292759. 'Navarro 122' 904.

292755. 'Lusitano' 1336.

292760. 'San Marino' 912.

292761. LESPEDEZA CUNEATA (Dum.-Cours.) G. Don Fabaceae. Chinese lespedeza.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Sept. 17, 1963.

S-225. Bot. Gard., Adelaide, South Australia; originally from Buenos Aires, Argentina.

292762 to 292771.

From Sweden. Seeds presented by the Weibullsholm Plant Breeding Institute, Landskrona. Received Sept. 17, 1963.

292762 to 292765. AVENA SATIVA L. Poaceae.

Common oats.

White.

292762. No. 16384.

292764. No. 16414.

292763. No. 16385.

292765. No. 16428.

292766 to 292771. HORDEUM VULGARE L. Poaceae.

Spring barley.

292766. 'Ingrid'.

292769. No. 5690.

292767. No. 5492.

292770. No. 5741.

292768. 'Arla' No. 5673.

292771. No. 5793.

292772 and 292773.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Sept. 17, 1963.

292772. *LOTONONIS BAINESII* Baker Fabaceae.

C.P.I. 16833.

292773. *MEDICAGO SATIVA* L. Fabaceae.

No. C 1211. 'Creeping Lucerne'.

292774 to 292776.

From Lebanon. Bulbs presented by an anonymous donor. Received Sept. 17, 1963.

292774. *ALLIUM AMPELOFRASUM* L. Liliaceae.

White-flowered form.

292775. *ALLIUM HIRSUTUM* Zucc.

Damour.

292776. *ALLIUM NEAPOLITANUM* Cirillo

Dog River.

292777 and 292778.

From the British West Indies. Seeds collected in Trinidad and presented by R. Goodland. Received Sept. 17, 1963.

292777. *ERIOCHRYSIS CAYANENSIS* Beauv. Poaceae.

292778. *IMPERATA BRASILIENSIS* Trin. Poaceae.

292779 to 292842.

From Sweden. Seeds presented by the Hortus Botanicus Upsaliensis, Universitetets Botaniska Trädgård, Uppsala. Received Sept. 18, 1963.

292779. *ACHILLEA CLAVENNAE* L. Asteraceae.

292780. *ACHILLEA GRANDIFOLIA* Frivald.

292781. *ACHILLEA MILLEFOLIUM* L.

Common yarrow.

292782. *ANTHYLLIS VULNERARIA* subsp. *MARITIMA* L. Fabaceae.

292783. *ARENARIA GRAMINIFOLIA* Arudin. Silenaceae.

292784. *ARENARIA GOTHICA* Fries

292785. *ARENARIA NORVERGICA* Gunn.

292786. *ARENARIA SERPYLLIFOLIA* L.

292787. *ASTRAGALUS CICER* L. Fabaceae.

292788. *ASTRAGALUS FALCATUS* Lam.

292789. *LATHYRUS APHACA* L. Fabaceae.

292790. *LATHYRUS ARTICULATUS* L.

292791. *LATHYRUS CLYMENUM* L.

292792. *LATHYRUS LAEVIGATUS* Fritsch

292793. *LATHYRUS NIGER* (L.) Bernh.

Black peavine.

292794. *LATHYRUS OCHRUS* (L.) DC.

292795. *LATHYRUS PISIFORMIS* L.

292796. *LATHYRUS SPHAERICUS* Retz.

292797. *LATHYRUS TINGITANUS* L.

292798. *LATHYRUS VERNUS* (L.) Bernh.

292799. *MELILOTUS ALTISSIMUS* Thuill. Fabaceae.

292779 to 292842—Continued

292800. MELILOTUS DENTATUS (Waldst. & Kit.) Pers.
292801. MELILOTUS INDICUS (L.) All. Annual yellow sweetclover.
292802. MELILOTUS MESSANENSIS (L.) All.
292803. MELILOTUS SPECIOSUS Durieu
292804. MINUARTIA LARICIFOLIA Schinz & Thell. Silenaceae.
292805. MINUARTIA TENUIFOLIA Hiern
292806. POTENTILLA CRANTZII G. Beck Rosaceae.
292807. POTENTILLA INDICA T. Wolf
292808. POTENTILLA MEGALANTHA Takeda
292809. POTENTILLA PALUSTRIS Scop.
292810. POTENTILLA PULCHERRIMA Lehm.
292811. POTENTILLA RANUNCULUS Lange
292812. POTENTILLA RUPESTRIS L.
292813. SAGINA NODOSA Fenzl Silenaceae.
292814. SAGINA NORMANIANA Lagerh.
292815. SEDUM AIZOON L. Crassulaceae. Aizoon stonecrop.
292816. SEDUM EWERSII Ledeb. Ewers stonecrop.
292817. SEDUM HISPANICUM L.
292818. SEDUM POPULIFOLIUM Pall. Poplar stonecrop.
292819. SEDUM ROSEUM (L.) Scop. Roseroot stonecrop.
292820. SEDUM RUPESTRE L.
292821. STELLARIA HOLOSTEA L. Silenaceae.
292822. STELLARIA NEMORUM L.
292823. STELLARIA NEMORUM L.
292824. TRIFOLIUM ALPESTRE L. Fabaceae.
292825. TRIFOLIUM INCARNATUM L. Crimson clover.
292826. TRIFOLIUM LEUCANTHUM Bieb.
292827. TRIFOLIUM SAROSIENSE Hazsl. ex Neibr.
292828. VERONICA AUSTRIACA L. Scrophulariaceae.
292829. VERONICA BACHOFENII Heuff.
292830. VERONICA CYMBALARIA Bodard
292831. VERONICA GENTIANOIDES Vahl
292832. VERONICA LONGIFOLIA L. Beach speedwell.
292833. VERONICA LONGIFOLIA var. MARITIMA L.
292834. VERONICA PERSICA Poir.
292835. VERONICA PRAECOX All.
292836. VERONICA SIBIRICA L.
292837. VERONICA TEUCRIUM L.
292838. VICIA BENGHALENSIS L. Fabaceae. Purple vetch.
292839. VICIA DUMETORUM L.
292840. VICIA LATHYROIDES L.
292841. VICIA MONANTHA Retz.
292842. VICIA NARBONENSIS L.

292843 and 292844. CASSIA OCCIDENTALIS L. Caesalpiaceae.

From the United States Virgin Islands. Seeds presented by the Virgin Island Agricultural Program, St. Croix. Received Sept. 20, 1963.

292843. From Estate Castle Burke.

292844. From Estate La Grange.

292845 to 292859.

From the German Democratic Republic. Seeds presented by the Institut für Botanik der Landwirtschaftlich-Gärtnerischen Fakultät der Humboldt-Universität, Berlin. Received Sept. 20, 1963.

292845. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.

292846. *ANTHYLLIS TETRAPHYLLA* L. Fabaceae.

292847. *ARMERIA MARITIMA* Willd. Plumbaginaceae.

292848. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.

292849. *BROMUS ERECTUS* Huds. Poaceae. Meadow brome.

292850. *BROMUS INERMIS* Leyss. Smooth brome.

292851. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

292852. *FESTUCA ELATIOR* L. Meadow fescue.

292853. *HELIANTHEMUM VARIABILE* Mill. Cistaceae.

292854. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.

292855. *MELILOTUS OFFICINALIS* (L.) Lam. Yellow sweetclover.

292856. *PHLEUM PRATENSE* L. Poaceae. Timothy.

292857. *POA COMPRESSA* L. Poaceae. Canada bluegrass.

292858. *POA NEMORALIS* L. Wood bluegrass.

292859. *POA PRATENSIS* L. Kentucky bluegrass.

292860 and 292861. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Puerto Rico. Cuttings presented by C. Brewer, Fajardo. Received Sept. 16, 1963. Numbered Sept. 24, 1963.

292860. H. 37-1933 (Sta. Rita).

292861. H. 37-1933 (Sta. Maria).

292862 to 292914.

From sources indicated. Seeds presented by D. G. Faris, University of California, Davis. Numbered Sept. 24, 1963.

292862. *VIGNA MARINA* (Burm.) Merr. Fabaceae.

No. C36-329. From Ceylon.

292863 to 292868. From India.

292863. *VIGNA DAVYI* Bolus

No. C36-327.

292864. *VIGNA GRACILIS* (Guill. & Perr.) Hook. f.

No. C36-326.

292865. *VIGNA HETEROPHYLLA* A. Rich.

No. C36-325.

292866. *VIGNA LUTEOLA* (Jacq.) Benth.

No. C36-323.

292862 to 292914—Continued

292867. *VIGNA MEMBRANACEA* A. Rich.
No. C36-324.
292868. *VIGNA PARVIFLORA* Welw. ex Baker
No. C36-328.
- 292869 to 292871. From Israel.
292869. *VIGNA NILOTICA* (Delile) Hook. f.
No. C36-296.
- 292870 and 292871. *VIGNA SINENSIS* (Torner) Savi
292870. No. C36-291. 'Acre'.
292871. No. C36-294 Local.
- 292872 to 292887. From Nigeria.
292872. *VIGNA LANCIFOLIA* A. Rich.
No. C36-305.
292873. *VIGNA PUBIGERA* Baker
No. C36-307.
- 292874 to 292887. *VIGNA SINENSIS* (Torner) Savi
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| 292874. No. C36-249. | 292881. No. C36-256. |
| 292875. No. C36-250. | 292882. No. C36-257. |
| 292876. No. C36-251. | 292883. No. C36-258. |
| 292877. No. C36-252. | 292884. No. C36-259. |
| 292878. No. C36-253. | 292885. No. C36-260. |
| 292879. No. C36-254. | 292886. No. C36-278. |
| 292880. No. C36-255. | 292887. No. C36-279. |
- 292888 to 292914. From the United States. (Countries of origin indicated.)
- 292888 to 292914. *VIGNA SINENSIS* (Torner) Savi
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| 292888. No. B30-3. Igaba bean. Nigeria. |
| 292889. No. B30-7. 51-C-430A. South Africa. |
| 292890. No. B30-11. 51-C-57. South Africa. |
| 292891. No. B30-17. 51-C-430B. South Africa. |
| 292892. No. B30-18. 51-C042(5). South Africa. |
| 292893. No. B30-19. 'Bechuana White'. South Africa. |
| 292894. No. B30-27. SES No. 5A. Southern Rhodesia. |
| 292895. No. B30-31. 'Machakos'. Nigeria. |
| 292896. No. B30-49. II V-4-1. Hungary. |
| 292897. No. B30-50. II V-5-6. Hungary. |
| 292898. No. B30-51. II V-5-1. Hungary. |
| 292899. No. B30-53. II V-4-16. Hungary. |
| 292900. No. B30-56. II V-4-13. Hungary. |
| 292901. No. B30-59. II V-4-4. Hungary. |
| 292902. No. B30-61. II V-4-15. Hungary. |
| 292903. No. B30-64. II V-4-19. Hungary. |
| 292904. No. B30-65. II V-5-9. Hungary. |
| 292905. No. B30-66. II V-4-5. Hungary. |

292862 to 292914—Continued

292906. No. B30-67. 'Zonkwa Yellow'. Nigeria.
 292907. No. B30-68. 'Wake Jaba'. Nigeria.
 292908. No. B30-71. Black seeded. Nigeria.
 292909. No. B30-73. 'Zafata Ex Kwoi'. Nigeria.
 292910. No. B30-76. 'Lobia T 5282'. India.
 292911. No. B30-79. C521. India.
 292912. No. B30-91. 51-C-213(3). South Africa.
 292913. No. B30-94. II V-4-14. Hungary.
 292914. No. B30-96. 'Farm Wake'. Nigeria.

292915 to 292917. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Taiwan. Cuttings presented by the Taiwan Sugar Experiment Station, Tainan. Received Sept. 25, 1963.

292915. 53-233. F.S. Strain.
 292916. 53-233. S.S. Strain.
 292917. 53-233. Y.S. Strain.

**292918. ARECASTRUM ROMANZOFFIANUM var. AUSTRALE (Mart.)
Becc. Phoenicaceae. Pindo palm.**

From Argentina. Seeds presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received Sept. 25, 1963.

292919 to 292928. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received Sept. 26, 1963.

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| 292919. 60-9961. | 292924. 60-9975. |
| 292920. 60-9964. | 292925. 60-9977. |
| 292921. 60-9966. | 292926. 60-9979. |
| 292922. 60-9968. | 292927. 60-9980. |
| 292923. 60-9969. | 292928. 60-9989. |

292929 to 292936.

From the Union of Soviet Socialist Republics. Scions presented by the Pavlov Experimental Station of the All-Union Institute of Plant Growing. Received Sept. 17, 1963. Numbered Sept. 27, 1963.

- 292929 to 292931. *MALUS SYLVESTRIS* Mill. Malaceae.
 292929. Michurin's Seedless (Bessjemianka Michurina).
 292930. 'Kitaika Zolotaia Ranniaia' ('Chinese Golden Early').
 292931. 'Susvorenskoye'.
 292932 to 292936. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.
 292932. 'Kozlovskaiia'.
 292933. 'Krasnaia Plotnaia' (Red Plotnaia').
 292934. 'Leningradskaiia Chernaia' ('Leningrad Dark').
 292935. 'Leningradskaiia Zheltaia' ('Leningrad Yellow').
 292936. 'Zor'ka'.

292937 to 292946. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Pakistan. Seeds presented by the United Nations Food and Agricultural Organization, Tandojam. Received Sept. 27, 1963.

292937 to 292946—Continued

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| 292937. S. No. 1. 41-3. | 292942. S. No. 6. 101-3. |
| 292938. S. No. 2. 53-3. | 292943. S. No. 7. 67-7. |
| 292939. S. No. 3. 64-3. | 292944. S. No. 8. 66-2. |
| 292940. S. No. 4. 12-2. | 292945. S. No. 9. 41-4. |
| 292941. S. No. 5. 23-2. | 292946. S. No. 10. 71-1. |

292947. DIGITARIA LONGIFLORA (Retz.) Pers. Poaceae.

From Sierra Leone. Seeds presented by the Ministry of Natural Resources, Mussia, via Kabala. Received Sept. 27, 1963.

292948 to 292957. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Sept. 27, 1963.

292948. No. 1. DL/63/532. Segregate from ('Hebbal' × 'Tjina') × 'Masambilea'. Upright growth habit.
292949. No. 2. DL/63/533. Plant decumbent, testa deep red.
292950. No. 3. DL/63/534. Plant decumbent, testa white.
292951. No. 4. DL/63/535. Plant decumbent, testa purple.
292952. No. 5. DL/63/536. Plant decumbent, testa red.
292953. No. 6. DL/63/537. Plant decumbent, testa flesh.
292954. No. 7. DL/63/538. 'Virginia Bunch'. Mutation.
292955. No. 8. DL/63/539. Irradiated mutant.
292956. No. 9. DL/63/541. 'Jumbo Giant'. From Rhodesia.
292957. DL/63/540. 'Machagan P 2659'.

292958. HIBISCUS ESCULENTUS L. Malvaceae.**Okra.**

From India. Seeds presented by L. Caskey, Peace Corps, Hyderabad. Received Sept. 30, 1963.

'Pusa Sawani' ('July'). Popular high-yielding variety; fruits tender, dark green. Most plants are mosaic tolerant and yellows resistant although some plants may show symptoms.

292959 to 292966. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From Tanganyika. Seeds presented by the Agricultural and Industrial Development Company, Dar es Salaam. Received Oct. 1, 1963.

292959. No. 1. Plants in wild near Morogoro, Eastern Province. Stalks green; leaves divided; flowers dark purple, May.
292960. No. 2. Plants in wild 100 miles east of Morogoro. Stalks reddish; leaves entire, reddish; flowers reddish pink, April-May.
292961. No. 3. Plants in wild 125 miles east southeast of Morogoro. Stalks green; leaves divided; flowers mauve, April.
292962. No. 4. 'Kumbul'. Originally from Nigeria.
292963. No. 5. 'Abuja'. Originally from Nigeria.
292964. No. 6. 'Zankwa'. Originally from Nigeria.
292965. No. 7. 'Cuba 2032'. From Cuba, via Tunisia and Nigeria.
292966. No. 8. ECR 985/986. From Sudan. Mixture of two strains.

292967. TRIFOLIUM ALEXANDRINUM L. Fabaceae.**Berseem clover.**

From Iraq. Seeds presented by the College of Agriculture, Bagdad. Received Oct. 1, 1963.

From the Abu-Ghraib farm, Bagdad.

292968 to 292993.

From Kenya. Plants and cuttings presented by the Park Department, Nairobi.
Received Oct. 1, 1963.

292968. ACANTHUS EMINENS C. B. Clarke Acanthaceae.

Plants.

292969. ACANTHUS PUBESCENS Engl.

'Alba'. Plants.

292970. ACANTHUS sp.

Orange flowers. Cuttings.

292971. BEGONIA sp. Begoniaceae.

'Bamboo'. Flowers clear pink. Cuttings.

292972 to 292982. Used as "floral blankets" or "carpet" ground covers, "living fences", and street trees when pruned into standards of 12 feet high.

292972. BOUGAINVILLEA sp. Nyctaginaceae.

'Isabel Greensmith'. Plants.

292973. BOUGAINVILLEA sp.

'Killie Campbell'. Plants.

292974. BOUGAINVILLEA sp.

'Mrs. Butt'. Plants.

292975. BOUGAINVILLEA sp.

N-1. Cuttings.

292976. BOUGAINVILLEA sp.

'Natalii'. Cuttings.

292977. BOUGAINVILLEA sp.

'Poultonii'. Plants.

292978. BOUGAINVILLEA sp.

Plants. Received as *B. minyata*.

292979. BOUGAINVILLEA sp.

'Brilliant'. Plants.

292980. BOUGAINVILLEA sp.

'Lady Mary Baring'. Plants.

292981. BOUGAINVILLEA sp.

'Orange'. Plants.

292982. BOUGAINVILLEA sp.

'Sweetheart'. Cuttings.

292983. BRUNSFELSIA CALYCINA Benth. Solanaceae.

Flowers to 4 inches across. Plants.

292984. CASSIA ARTEMISIOIDES Gaud. Caesalpiniaceae.

Plants.

292985. IMPATIENS sp. Impatiaceae.

'Balsamina'. Plants.

292986. KALANCHOE LUGARDII Bullock Crassulaceae.

Cuttings.

292968 to 292993—Continued

292987. *MUSSAENDA LUTEOLA* Delile Rubiaceae.
Cuttings.
292988. *PEPEROMIA* sp. Piperaceae.
'Peru'. Plants.
292989. *TECOMARIA* (hybrid). Bignoniaceae.
Flowers pale orange. Plants.
292990. *TECOMARIA* sp.
Flowers yellow. Plants.
292991. *THUNBERGIA ERECTA* (Benth.) T. Anders. Acanthaceae. Clockvine.
Flowers large. Plants.
292992. *THUNBERGIA MYSORENSIS* (Wight) T. Anders. Clockvine.
Plants.
292993. *GARDENIA GLOBOSA* Hochst. Rubiaceae.
Seeds.

292994 and 292995. TRITICUM AESTIVUM L. Poaceae.
Common wheat.

From the United States. Seeds of Hungarian origin, presented by the Washington State University, Pullman. Received Oct. 2, 1963.

292994. 'Bankuti 1201'. 'Bankuti 5' × 'Marquis'.
Very high yielding, midtall, hard, red winter wheat; spike bearded; cluster good; grain very high in protein with excellent milling and baking qualities. Highly resistant to stripe rust and was resistant to dwarf bunt in 1963.
292995. 'Bankuti 1205'. 'Bankuti 5' × 'Marquis'.
High-yielding, midtall, hard, red winter wheat; grain high in protein and gluten with excellent milling and outstanding baking qualities. Highly resistant to stripe rust.

292996 to 293004. TRITICUM AESTIVUM L. Poaceae.
Common wheat.

From Great Britain. Seeds presented by the Plant Breeding Institute, Trumpington, Cambridge, England. Received Oct. 2, 1963.

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| 292996. TP 114/23-24. | 293001. TP 114/94-95. |
| 292997. TP 114/41-43-44. | 293002. TP 114/109-110. |
| 292998. TP 114/78-79. | 293003. TP 114/188-190. |
| 292999. TP 114/80-82. | 293004. TP 114/207-208. |
| 293000. TP 114/85-87. | |

293005 to 293020.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected May 1961. Numbered Oct. 2, 1963.

- 293005 to 293016. *LESQUERELLA FENDLERI* Wats. Brassicaceae.
293005. Col. No. 19224. Rocky, arid limestone hills, 5-10 miles northwest of Langtry, Tex. Plants small, dry, winter-spring annuals.
293006. Col. No. 19225. Along undisturbed, silty, railway slope, 5-6 miles west of Sanderson, Tex. Variable, dry, winter-spring annuals.
293007. Col. No. 19229. Limestone hills along Route 80, 4-5 miles west of Van Horn, Tex. Plants low, drought pauperized.

293005 to 293020—Continued

293008. Col. No. 19230. Sandy hilltop 4.5 miles northeast of Mentone, Loving County, Tex. Genetic selection. Plants in wild with strictly erect stems to 6 inches long and capitate racemes of small capsules.
293009. Col. No. 19232. Location same as P.I. 293008. Genetic selection. Plants in wild with lavender-purple capsules.
293010. Col. No. 19233. Junction of Routes 80 and 1053, Ector County, Tex. Plants in wild, short, drought pauperized.
293011. Col. No. 19237. Sandy loam fallow field, Route 285, 25 miles southeast of Pecos, Tex. Seeds from one large, erect, well-found, heavy-seeding plant.
293012. Col. No. 19238. Hill 4 miles east of Barstow, Ward County, Tex. Seed from one plant in wild, with coarse stems and large capsules.
293013. Col. No. 19239. Sandy loam, 6–8 miles south of Toyah, Reeves County, Tex. Small population of erect plants in wild, to 12 inches high and long racemes of capsules.
293014. Col. No. 19240. In wild 6 miles south of Toyah, Reeves County, Tex. One plant selection. Plant large, robust, erect, with many stems; raceme long.
293015. Col. No. 19242. Silty loam, 17 miles north of Pecos, Reeves County, Tex. Seeds from 5 heaviest seed-yielding plants. Plants erect, vigorous, stooling.
293016. Col. No. 19992. Roadside, junction of Route 180 and road to Sierra Blanca, Tex. Plants short, well developed.
- 293017 to 293020. *LESQUERELLA GORDONII* Wats.
293017. No collector's number. Tucson, Ariz.
293018. Col. No. 11913. Tucson, Ariz.
293019. Col. No. 11972. Tucson, Ariz.
293020. Col. No. 19982. Along Route 86, southwest of Tucson, Ariz. From one heavily seeding plant.

293021 to 293037.

From the United States. Seeds collected by A. S. Barclay and R. E. Perdue, Jr., agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected April and July 1960. Numbered Oct. 2, 1963.

- 293021 to 293023. *LESQUERELLA ARGYREA* Wats. Brassicaceae.
293021. B-53506. Texas.
293022. B-53515. Texas.
293023. Col. No. 707. Roadside and adjacent fields, Highway 83, 25 miles north of Laredo, Webb County, Tex. Erect annual herb.
- 293024 and 293025. *LESQUERELLA ENGELMANNII* Wats.
293024. Col. No. 786. Open hill, limestone soil, junction Routes 183 and 281, north edge of Lampasas, Lampasas County, Tex. Erect perennial herb to 12 inches high.
293025. Col. No. 788. Thin limestone soil, road cut, junction Routes 281 and Farm Road 963, 12 miles north of Burnet, Burnet County, Tex. Erect perennial herb, branching at base, to 1 foot high.
- 293026 to 293028. *LESQUERELLA FENDLERI* Wats.
293026. Col. No. 710. In wild along highway 90, 10 miles west of Brackettville, Kinney County, Tex. Erect perennial herb; flowers yellow.
293027. Col. No. 715. Dry, rock ground near park headquarters, Big Bend National Park, Tex. Erect perennial herb; flowers yellow.

293021 to 293037—Continued

293028. Col. No. 720. Dry, rocky road shoulders and adjacent fields, Highway 90, 8 miles west of Langtry, Val Verde County, Tex. Abundant erect perennial.

293029 to 293031. *LESQUERELLA GORDONII* Wats.

293029. Col. No. 709. Vacant lot, Uvalde County, Tex. Erect annual.

293030. Col. No. 724. Sandy hills, Boiling Springs State Park, Woodward County, Okla. Abundant erect annual; flowers yellow.

293031. Col. No. 753. In wild on sandy bank above Coletto Creek, Highway 77, Victoria County, Tex. Decumbent annual; flowers yellow.

293032. *LESQUERELLA GRACILIS* Wats.

Col. No. 730. Blackland soil, roadside and adjacent fields near Texas Research Foundation, Renner, Tex. Broadly spreading, procumbent, annual herb; flowers yellow.

293033 to 293035. *LESQUERELLA GRANDIFLORA* Wats.

293033. Col. No. 733. In wild on sandy hills near Fulshear, Fort Bend County, Tex. Broadly spreading, procumbent, annual herb; flowers yellow.

293034. Col. No. 752. Sandy loam field, Stubbs School road, near Highway 77, 8 miles south of Victoria, Victoria County, Tex. Sprawling annual herb, in wild, branching broadly at base; flowers yellow.

293035. Col. No. 792a. Sandy flood plain, Sandy Creek, near Oxford Road, 6 miles southeast of Oxford, Llano County, Tex. Spreading annual herb, branching at base; flowers yellow.

293036. *LESQUERELLA LASIOCARPA* Wats.

Col. No. 705. Highway 83, 1 mile south of Crystal City, Dimmit County, Tex. Prostrate annual in wild; flowers yellow.

293037. *LESQUERELLA PINETORUM* Wooton & Standley

Col. No. 871. Rocky, coarse, granitic hillside, Skyline, Lincoln National Forest, Lincoln County, N. Mex. Prostrate to semierect perennial herb; flowers yellow.

293038 to 293048.

From Colombia. Cuttings presented by Melvin L. Bristol, Sibundoy, Putumayo. Received Oct. 2, 1963.

293038 to 293046. *DATURA CANDIDA* (Pers.) Safford Solanaceae.

293038. 'Amarron'. 293043. MLB-1111.

293039. 'Biangan'. 293044. 'Quinde' .

293040. 'Bui-ish'. 293045. 'Salaman'.

293041. 'Munchira'. 293046. 'Tsashie'.

293042. MLB-597.

293047. *DATURA SANGUINEA* Ruiz & Pav. Solanaceae. Red floripondio.

293048. *METHYSTICODENDRON AMESIANUM* R. E. Schultes Solanaceae.

293049 to 293059.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected October and November 1959. Numbered Oct. 3, 1963.

293049. *PENSTEMON* cf. *APATETICUS* Straw Scrophulariaceae.

Col. No. 18011. Conifer forest, Sierra Chinatu, Chihuahua. Elevation 8,750 feet. Plant in wild, to 3 feet high; flowers bright red with white-striped throat; capsules long.

293050 and 293051. *PENSTEMON CAMPANULATUS* (Cav.) Willd.

293049 to 293059—Continued

293050. Col. No. 17996. Sierra Mohinora summit, Chihuahua. Elevation 10,000 feet. Perennial in wild, to 16 inches high; branches form a ground cover; flowers purple.

293051. Col. No. 18001. Conifer forest canyon, Sierra Mohinora, Chihuahua. Elevation 7,500 feet. Flowers pale purple, campanulate.

293052. PENSTEMON KUNTHII G. Don

Col. No. 18154. Twenty miles southwest of El Salto, Durango. Elevation 10,000 feet. Plants abundant in wild, to 40 inches high, with several stems; flowers red. Inflorescences frost damaged.

293053 to 293055. PENSTEMON cf. KUNTHII G. Don

293053. Col. No. 17913. Calcareous rocks, Parral, Chihuahua. Elevation 5,800 feet. Perennial to 5 feet high; stems several, from base, long spicate; flowers red.

293054. Col. No. 17949. Rio Verde and Cunega Prieta road, Chihuahua. Elevation 9,000 feet. Perennial in wild; flowers red.

293055. Col. No. 18013. Tuffaceous rhyolite 15 miles northeast of El Vergel, Chihuahua. Elevation 6,700 feet. Perennial in wild, to 32 inches high; leaves serrate or entire; flowers red. Plants browsed.

293056. PENSTEMON sp.

Col. No. 17978. Nabogame, Chihuahua. Elevation 6,800 feet. Perennial in wild; stems sagging; flowers purple.

293057. PENSTEMON sp.

Col. No. 17985. Between Nabogame and Guadalupe y Calvo, Chihuahua. Elevation 8,000 feet. Perennial in wild; stems several, to 20 inches long; flowers red.

293058. PENSTEMON sp.

Col. No. 18002. Conifer forest, La Rocha, Sierra Mohinora, Chihuahua. Elevation 7,500 feet. Plants in wild, thinly scattered in open forest.

293059. PENSTEMON sp.

Col. No. 18096. Oak forest, 40 miles east of Parral, Chihuahua. Elevation 7,800 feet. Perennial in shade, in wild, to 20 inches high; flowers small, campanulate, light purple.

293060 to 293063.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Oct. 3, 1963.

293060. PENSTEMON HAVARDII A. Gray Scrophulariaceae.

Col. No. 18455. Six miles west of park headquarters, Big Bend National Park, Tex. Plants in wild; leaves large, ovate-lanceolate. Collected March 1960.

293061 and 293062. PENSTEMON SPECTABILIS Thunb.

293061. Col. No. 17765. Old clearing in Chapparal, Anza, Riverside County, Calif. Elevation 3,000 feet. Plants mature, in burned-over area. Collected July 1959.

293062. Col. No. 17766. Anza, Riverside County, Calif. Elevation 3,000 feet. Plant in wild, heavy bearing, to 150 racemes each; stems red or yellow; capsules large. Collected Aug., 1959.

293063. PENSTEMON sp.

Col. No. 18559. Limestone area, Route 32, 15 miles west of San Marcos, Hayes County, Tex. Plants in wild; stalks short. Collected April 1960.

293064 and 293065.

From the United States. Plants growing at the United States Plant Introduction Station, Miami, Fla. Numbered Oct. 4, 1963.

293064. *CALLISTEMON ACUMINATUS* Cheel Myrtaceae. **Bottlebrush.**

Miami No. 18747. Small Australian ornamental tree; crown compact; branches upright; leaves sessile, linear, leathery; flowers red, in dense heads, 4 inches long.

293065. *COMBRETUM PANICULATUM* Vent. Combretaceae.

Miami No. 12560. Small, ornamental, tropical African shrub with vine-like tendencies; flowers dark red, numerous, along stems.

293066. *PRUNUS AVIUM* L. Amygdalaceae. **Sweet cherry.**

From France. Cuttings presented by Lambertin Nurseries and Orchards, Nimes. Received Oct. 7, 1963.

'Early Burlat'.

293067 to 293087.

From the United States. Cuttings collected by H. P. Olmo and A. Koyama, University of California, Davis. Collected August 1961. Numbered Oct. 7, 1963.

293067 and 293068. *CISSUS TRIFOLIATA* L. Vitaceae.

293067. Col. No. 66. Five miles northwest of Webb, Tex., Highway 83. Vine climbing over shrubs, fruitful, in flower and fruit; leaves fleshy 1.5 by 1 inch, trilobed; fruit in umbels of 15 to 30 berries, blue black, 0.25 inch diameter, flattened, one seeded.

293068. Col. No. 83. Grapevine Hills, Big Bend Park, Tex. Vine in flower and beginning to fruit; leaves fleshy, lobed.

293069. *PARTHENOCISSUS QUINQUEFOLIA* (L.) Planch. Vitaceae.

Col. No. 75. No data.

293070 and 293071. *VITIS* cf. *AESTIVALIS* Michx. Vitaceae.

293070. Col. No. 79. Side arroyo, one mile west of ranger station, Boquillas, Big Bend, Tex. Vine exposed, fruitful; shoots tomentose, with marginal leaf burn; berries to 0.375-inch diameter, ripe.

293071. Col. No. 80. Side arroyo, west of ranger station, Boquillas, Big Bend, Tex. Vine vigorous, fruitful, climbing on willow tree.

293072 to 293074. *VITIS* cf. *ARIZONICA* Engelm.

293072. Col. No. 1. Rocky canyon wash, streambank, junction Highways 80 and 90, Mule Pass, Bisbee, Ariz. Vine in full sun, making mounds over vegetation, climbing to 15 feet; leaves hopper damaged; berries green, heat scorched.

293073. Col. No. 69. Boulder stream dry wash, north of Vance, Real County, Tex. Weak vine, climbing to 20 feet in small pecan.

293074. Col. No. 70. Boulder strewn wash 1 mile north of Vance, Real County, Tex. Leaves dark green, many damaged by drought; some fruits dried before maturing.

293075 to 293086. *VITIS* cf. *VULPINA* L.

293075. Col. No. 68. Rocky wash south of Vance, Real County, Tex. Vine weak, slender.

293076. Col. No. 71. In ravine, State Route 55, 6 miles north of Barksdale, Edwards County, Tex. Fruitful vine on oak tree; shoots dark red; fruit in small clusters, ripe; berries small. Aphids present.

293077. Col. No. 72. Ridgetops, State Route 55, 12 miles south of Rock-springs, Edwards County, Tex. Plants abundant, climbing over shrubby juniper and oak; fruit clusters small.

293067 to 293087—Continued

293078. Col. No. 73. Location same as P.I. 293077. Leaves have long, sharp apical lobes.

293079. Col. No. 74. Location same as P.I. 293077. Leaves glossy.

293080. Col. No. 76. Brush behind ranger station and Rio Grande side channel, Boquillas, Big Bend National Park, Tex. Plants abundant, dense on shrubs; leaves light yellowish green, glabrous when mature; shoots downy, light pink tipped.

293081. Col. No. 77. West side of canyon, ranger station, Boquillas, Big Bend, Tex. Male vine; shoots light yellowish green, downy tipped.

293082. Col. No. 78. Location same as P.I. 293081. Vine fruitful.

293083. Col. No. 81. Dry ravine, Grapevine Hills, Big Bend National Park, Tex. Weak male climber on shrubs; leaves dark green with some scorch.

293084. Col. No. 82. Location same as P.I. 293083. Male vine.

293085. Col. No. 84. Location same as P.I. 293083. Internodes long.

293086. Col. No. 85. Oak Creek Canyon, Big Bend National Park, Tex. Several vines in willows; fruitless.

293087. *VITIS* sp.

Col. No. 67. Rocky base of Camp Chalk Bluff, Highway 55, 20 miles northwest of Uvalde, Tex. Vine in oak tree; trunk thin; leaves smooth, glossy, dark green; berries small, ripe.

293088 to 293151.

From Mexico. Cuttings, unless otherwise noted, collected by H. P. Olmo and A. Koyama, University of California, Davis. Collected August 1961. Numbered Oct. 7, 1963.

293088 and 293089. *AMPELOPSIS* cf. *CORDATA* Michx. Vitaceae.

293088. Col. No. 17. 'Hedera'. Weathered granite, south bank of Arroyo Seco da Patroan Zoc, 11.6 miles southwest of Garcia, road to Hubejecal, Zacatecas. Creeper; leaves fleshy, dark green, cordate, 3.5 by 2.5 inches, long petioled, finely pubescent; sinus narrow, V-shaped; shoots ribbed; fruit green.

293089. Col. No. 18. Rocky ledges in deep ravine, Highway 70, Zapoqui, Aguascalientes. Climber; leaves simple, entire, cordate, fleshy, margin smooth; berries in small clusters, black, 0.46 inch diameter. Roots collected.

293090. *CISSUS RHOMBIFOLIA* Vahl Vitaceae.

Col. No. 22. Fractured rocks, hot rain forest, 6 miles west of Naranjo, San Luis Potosi. Plants common, spreading; stems thickened, bulbous near ground; leaves trifoliate; umbels conspicuous; flowers carmine.

293091. *CISSUS SICYOIDES* L.

Col. No. 24. Rocky outcrops, hot rain forest, steep slope, 16 miles west of Naranjo, San Luis Potosi. Weak climber; stems thickened, lenticellate; leaves pointed, ovate, 1.5 by 2 inches, margin smooth; no flowers or fruit seen.

293092 and 293093. *CISSUS TRIFOLIATA* L.

293092. Col. No. 15. Stream bank, with willow and bald cypress, Rio Nazas, 14 miles northwest of El Rodeo, Durango. Plants sporadic, climbing by tendrils, to 10 feet high, not yet flowering; roots cylindrical, bulbous; leaves trifoliate, with few large obtuse teeth, dark green, fleshy, foetid when crushed; shoots glabrous. Roots collected.

293093. Col. No. 62. Desert mesa streambed, two miles south of Cadereyta, Nuevo Leon. Slender, weak climber on shrubs in full shade; stems glabrous; leaves 1.5 by 1.25 inches, fleshy, glabrous, re-

293088 to 293151—Continued

sembling grape; teeth obtuse, few, large; no flowers or fruit seen. Roots collected.

293094. *CISSUS* sp.

Col. No. 27. Near top of grade, 12.8 miles west of Naranjo, San Luis Potosi. Shoot tips pink with heavy black glandular hair; leaves lobed, terminal lobe large, acute; no flowers or fruit seen.

293095 and 293096. *PARTHENOCISSUS QUINQUEFOLIA* (L.) Planch. Vitaceae.

293095. Col. No. 19. On brush and rocks in dry ravine, limestone hills, Highway 57, 20 miles west of San Luis Potosi. Single-stemmed weak climber; leaves 5 pedate.

293096. Col. No. 34. On rocky slopes and canyon walls, 17 miles west of Linares along Linares-Galeana road. Fruitful climber; fruit beginning to ripen.

293097 to 293108. *VITIS* cf. *AESTIVALIS* Michx. Vitaceae.

293097. Col. No. 7. Rock cliffs, along streambed, Majalca, northwest of Chihuahua City. Elevation 6,750 feet. Plants not abundant, forming dense bushes in open; leaves small, dark green, arachnoid hairy, short petiolate, sharp toothed; fruit not abundant, some just setting.

293098. Col. No. 8. Locality data and plant description same as P.I. No. 293097.

293099. Col. No. 9. Locality data same as P.I. 293097. Slender climber to 20 feet; petioles red, short; leaves small, broad, glabrous, broad sinus at base, apical tooth sharp; shoots light red. No fruit found.

293100. Col. No. 10. Locality data and plant description same as P.I. 293099.

293101. Col. No. 11. Locality data same as P.I. 293099. Plant description differs only in that leaves are smaller.

293102. Col. No. 12. Weathered slate outcrop in narrow canyon, 3 miles upstream from mine dump, Santa Barbara, Chihuahua. Elevation 7,350 feet. Vine; shoots reddish, pubescent in shade; fruit to 0.25 inch diameter, sour, just ripening; bunches 8-12 berries.

293103. Col. No. 13. Differs from P.I. 293102 only in being a male plant from exposed rock pinnacle.

293104. Col. No. 14. Same as P.I. 293103.

293105. Col. No. 38. Oasis about 2 miles southwest of Ojo de Agua, Coahuila. Vine vigorous; canes and leaves hairy tufted; leaves long, sharp toothed.

293106. Col. No. 39. Location same as P.I. 293105. Shoot tips vigorous, downy, ribbed with dark red bands; stipules rust colored; berries sweet, full ripe; clusters 3 by 1.5 inches.

293107. Col. No. 40. Locality data and plant description same as P.I. 293141, except clusters have fewer berries.

293108. Col. No. 41. About 2 miles southwest of Ojo de Agua, Coahuila, at bus stop La Florida. Plant staminate; shoots distinctly red.

293109. *VITIS* cf. *ARIZONICA* Engelm.

Col. No. 21. Rain forest 5.5 miles west of Naranjo, San Luis Potosi. Vine in trees, fruitful; leaves large; shoots tomentose; fruit dull black, currant size, in short pyramidal clusters; 2 clusters per shoot. Seeds collected.

293110 to 293123. *VITIS* cf. *BERLANDIERI* Planch.

Winter grape.

293110. Col. No. 20. Humid oak forest, 17.5 miles west of Naranjo, San Luis Potosi. Plants abundant on trees; shoot tips rose colored to second leaf; leaves cordate, entire, dark green, 4.25 by 4.75 inches, dull, tomentose beneath; petiole sinus open.

293088 to 293151—Continued

293111. Col. No. 23. Rain forest 5.5 miles west of Naranjo, San Luis Potosi. Fruitful vine in trees; shoots tomentose; fruit dull black, currant size, in short pyramidal clusters, 2 clusters per shoot. Seeds collected.
293112. Col. No. 28. Near summit, 12.8 miles west of Naranjo, San Luis Potosi.
293113. Col. No. 29. Location data same as P.I. 293112. No plant data.
293114. Col. No. 47. Dry pine-oak forest, Sierra Anahuac, Mesa de Chipinque, Monterrey, Nuevo Leon. Elevation 5,400 feet. Leaves cordate, scalloped, nerves ending in short extensions; upper surface dull, dark green; tomentose, gray beneath; petiolar sinus wide; berries 0.25 inch diameter, not ripe; pedicels thin.
293115. Col. No. 48. Location data same as P.I. 293114. Elevation 4,900 feet. Fruit green.
293116. Col. No. 49. Location data same as P.I. 293114. Elevation 4,500 feet.
293117. Col. No. 50. Location data same as P.I. 293114. Elevation 4,100 feet.
293118. Col. No. 51. Location data same as P.I. 293114. Elevation 3,900 feet.
293119. Col. No. 52. Lower edge of pine forest, Sierra Anahuac, Mesa de Chipinque, Monterrey, Nuevo Leon.
293120. Col. No. 53. Location data same as P.I. 293119, lower limit of pine zone. Area dry.
293121. Col. No. 54. Location data same as P.I. 293119. Elevation 2,500 feet.
293122. Col. No. 55. Valley at base of grade, Sierra Anahuac, Mesa de Chipinque, Monterrey, Nuevo Leon. Elevation 1,800 feet. Fruit ripe.
293123. Col. No. 56. Dry streambed, Sierra Anahuac, Mesa de Chipinque, Monterrey. Elevation 1,800 feet. Berries green.
- 293124 to 293140. VITIS cf. CINEREA Engelm.
293124. Col. No. 2. Streambank 1 mile up Rio Santa Maria from Buenaventura, Chihuahua. Weak, gray, slender, male vine on willow; canes and leaves hairy. Extensive leaf miner damage.
293125. Col. No. 3. Location data and description same as P.I. 293124.
293126. Col. No. 4. Riverside, 3 miles up Rio Santa Maria from Buenaventura, Chihuahua. Slender, pistillate vine; shoots downy, white; berries blue black, ripe, sweet, attacked by spittlebug.
293127. Col. No. 5. Data same as for P.I. 293126.
293128. Col. No. 6. Data same as for P.I. 293126.
293129. Col. No. 30. In stream channel, Rio San Marcos, Tamaulipas Canyon, 4 miles above Ciudad Victoria. Plants scattered, forming light canopy; shoots tomentose, white, tinged brown; leaves dark green above, white, tomentose beneath, 5 by 4 inches, cordate, with long central lobe; fruit dull black, currant size. Seeds collected.
293130. Col. No. 31. Dry, rocky stream channel, evergreen oak forest at canyon entrance, Galeana Road, west of Linares, Nuevo Leon. Shoots tomentose, white; leaves cordate, teeth obtuse; petiolar sinus wide, downy beneath; fruit dull black, currantlike, half ripe.
293131. Col. No. 32. Location and description same as P.I. 293130, but plant more fruitful.
293132. Col. No. 33. One mile in canyon, Galena Road, west of Linares, Nuevo Leon. Vine fruitful; leaves dark green; fruit early maturing, fully ripe.

293088 to 293151—Continued

- 293133.** Col. No. 35. On shrubbery in rocky, drywash in canyon at edge of pine forest, 21 miles west of Linares, Galena Road, Nuevo Leon. Vine fruitful; vigorous shoot tips bearing red-black, glandular hairs with green tips; berries to 0.375 inch diameter, just ripening.
- 293134.** Col. No. 36. On rocks and trees in canyon, near top of pass, 21 miles west of Linares, Galena Road, Nuevo Leon. Plant fruitful; glabrous leaves; fruit green.
- 293135.** Col. No. 59. On tree in moist area, 2 miles north of Montemorelos, Nuevo Leon. Vine with few fruits; leaves with marginal teeth. Seed collected.
- 293136.** Col. No. 60. Low, hot area near citrus orchards, seven miles east of Montemorelos, Nuevo Leon. Vine fruitful; shoots downy.
- 293137.** Col. No. 61. Dry streambed, desert mesa, 2 miles south of Cadereyta, Nuevo Leon. Berries few.
- 293138.** Col. No. 63. On riverbank shrub, Sabinas, Coahuila. Male vine; leaves dull, downy beneath; petioles red.
- 293139.** Col. No. 64. On bald cypress, 3 miles upstream from highway bridge, Sabinas, Coahuila. Vine fruitful; leaves dull, downy beneath; petioles red.
- 293140.** Col. No. 65. Location same as P.I. 293139. Vine fruitful; shoot tips pink tinged with deeply lobed leaves.

293141 to 293145. VITIS LINCECOMII Buckl.

- 293141.** Col. No. 37. Oasis about 2 miles southwest of Ojo de Agua, Coahuila. Vines abundant, vigorous, healthy; leaves 4 by 5 inches, slightly lobed, dark green above, tomentose beneath; fruit clusters cylindrical, 3 by 1.5 inches, well filled, abundant; berries 0.375 inch, meaty, not acid.
- 293142.** Col. No. 42. Limestone soil, along pecan grove, south of San Lorenzo, Coahuila. Male vine, forming large canopy over tree.
- 293143.** Col. No. 43. Pasture, Rincon del Montero, Parras de la Fuente, Coahuila. Vine fruitful; shoots white, tomentose, dark red when exposed; leaves 5.5 by 5 inches; fruit clusters 3 by 1.5 inches; berries already eaten by birds.
- 293144.** Col. No. 57. Humid forest canyon, below hotel, Horsetail Falls, Monterrey, Nuevo Leon. Vines abundant; foliage not clean; leaves skeletonized, subject to mildew; fruit half ripe.
- 293145.** Col. No. 58. Location same as P.I. 293144.

293146 and 293147. VITIS ROTUNDIFOLIA Michx. **Muscadine grape.**

- 293146.** Col. No. 25. Oak forest in canyon, 1 mile above Las Abritas, 12.5 miles west of Naranjo. Vine forming canopy over trees to 50 feet high; trunk slender; shoots coppery red; leaves glabrous; fruit clusters to 14 berries, held above leaves on ripening; berries brownish, to 0.5 inch diameter.
- 293147.** Col. No. 26. Location and plant description same as P.I. 293146, except vine more fruitful.

293148 to 293150. VITIS cf. **VULPINA** L.

- 293148.** Col. No. 44. Along irrigation ditch near Rinconada, Nuevo Leon. Vine vigorous, grayish aspect, on shrubs; shoots white, tomentose; fruit clusters loose, 2 by 4 inches; berries jet black, ripe.
- 293149.** Col. No. 45. Location and plant description same as P.I. 293148. Vine fruitful.
- 293150.** Col. No. 46. Location and plant description same as P.I. 293148. Berries only half ripe.

293088 to 293151—Continued**293151. VITIS sp.**

Col. No. 16. On wall and shrubs, La Cuesta, 10 miles south of El Rodeo, Durango. Male vine with gray aspect, covered with tufts of hair; leaves 2.5 by 3.5 inches; petioles long, slender, light red.

293152 to 293169.

From the United States. Scions collected by W. L. Corley, Georgia Experiment Station, Experiment, Ga. Numbered Oct. 8, 1963.

293152 to 293154. MALUS SYLVESTRIS Mill. Malaceae.

293152. Col. No. Ga-7. A cultivated 70-year-old seedling from Candler County. Collected for low chilling requirements; fruit misty red, good quality.

293153. Col. No. Ga-8. A cultivated 70-year-old seedling from Chandler County. Collected for low-chilling requirements; fruit deep red, good quality.

293154. Col. No. Ga-12. A cultivated seedling from Moultrie, collected for low-chilling requirements; fruit medium red, good quality.

293155 to 293168. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.

293155. Col. No. Ga-5. 'Spanish Peach'. From an old French settlement on the Savannah River, Lincoln County. Tree cultivated; fruit red fleshed, clingstone.

293156. Col. No. Ga-6. 'October Cling Peach'. From Lincoln County. Tree cultivated; fruit late maturing, yellow fleshed, clingstone.

293157. Col. No. Ga-10. From Alma. Tree cultivated; seedling with low-chilling requirements; fruit yellow fleshed, clingstone.

293158. Col. No. Ga-13. Fulton County. A cultivated, long-lived seedling; fruit white fleshed, good quality, clingstone.

293159. Col. No. Ga-14. Fulton County. A cultivated, long-lived seedling; fruit white fleshed, clingstone.

293160. Col. No. Ga-16. Lincoln County. A cultivated seedling; fruit late maturing, yellow fleshed, clingstone.

293161. Col. No. Ga-17. Lincoln County. A cultivated seedling; fruit late maturing, yellow fleshed, clingstone.

293162. Col. No. Ga-18. Lincoln County. A cultivated seedling; Indian clingstone.

293163. Col. No. Ga-19. Lincoln County. A cultivated seedling; fruit late maturing, yellow fleshed, clingstone.

293164. Col. No. Ga-20. Lincoln County. A cultivated seedling; fruit late maturing, yellow fleshed, clingstone.

293165. Col. No. Ga-22. Lincoln County. A cultivated seedling; fruit late maturing, large; flesh red streaked; Indian clingstone.

293166. Col. No. Ga-25. Lincoln County. A cultivated seedling; fruit early maturing, clingstone.

293167. Col. No. Ga-26. Lincoln County. Tree cultivated, vigorous, long lived; fruit freestone.

293168. Col. No. Ga-27. Lincoln County. A cultivated late-maturing seedling; fruit medium size; flesh yellow.

293169. VITIS VINIFERA L. Vitaceae.**European grape.**

Col. No. Ga-2. Gwinnett County. Cultivated over 40 years; berries small, black.

293170 to 293195.

From Mexico. Plants collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Oct. 9, 1963.

293170 to 293172. AGAVE cf. AMERICANA L. Amaryllidaceae.

293170. Col. No. 20154. Along Route 57, 50 kms. south of Saltillo, Coahuila-Nuevo Leon border. Elevation 1,675 meters. Plant cultivated, erect; rosettes glaucous gray; leaves spreading; peduncles to 8 meters high; laterals, 20 or more, in terminal third of shaft.

293171. Col. No. 20160. Open valley slope, 90 kms. south of Galena, Nuevo Leon. Elevation 1,650 meters. Plant in wild, medium large, symmetrical, pale glaucous to glaucous green; rosettes with double-curved leaves; peduncles to 6 meters high.

293172. Col. No. 20176. Sierra San Manuel, 35 miles east of San Luis Potosi, along road to Rio Verde. Elevation 1,500 meters. Plants glaucous gray; leaves few; suckering rosettes in seeding population; panicles small to large; peduncles 7 meters high with 10 to 20 laterals; buds pink to yellow.

293173. AGAVE cf. ANGUSTIFOLIA Haworth

Col. No. 20261. Along road to Huajuapán, 28 km. southwest of Tehuacan. Elevation 1,825 meters. Plant in wild; rosettes bluish-gray, glaucous; leaves straight, swordlike; peduncles to five meters high; flowers green with purple flush on tepal tips.

293174. AGAVE FEROX C. Koch

Col. No. 20204. Limestone slope along road to Puebla, 29 km. north of Hehuacan. Elevation 1,900 meters. Plant in wild, large, big headed, glaucous; rosettes green; leaves broad, ascending; panicles four, large, pyramidal, with 10 to 16 laterals, capitated; pedicels large, bracted above; umbels loose; tepals yellow with reddish tips.

293175. AGAVE KARWINSKYI Zucc.

Col. No. 20357. Zapotitlan, Puebla. Elevation 1,500 meters. Trunks 1.5 meters high with small crown of green leaves; panicles in bud to 3 meters high, with 14 laterals.

293176 and 293177. AGAVE KERCHOVEI Lem.

293176. Col. No. 20223. Limestone roadside, 8 km. southwest of Tehuacan, road to Zapotitlan, Puebla. Elevation 1,830 meters. Plants large, scattered singly on rocky slope; rosettes open; leaves and teeth form variable.

293177. Col. No. 20278. Rocky, brushy hillside along Pan-American Highway, 22 km. southeast of Huajuapán, Oaxaca. Elevation 1,800 meters. Large population of large plants; rosettes single; leaves stiff, erect, green, plane, mostly armed; peduncles to 8 meters high, densely flowered on terminal two-thirds; buds green; flowers green with tepals tinged reddish bronze inside.

293178. AGAVE MACROACANTHA Zucc.

Col. No. 20359. Zapotitlan, 12 miles southwest of Tehuacan, Puebla. Elevation 1,700 meters. Rosettes small, glaucous blue; leaves numerous; panicles 2.3 meters high with 8 laterals and large oblong capsules.

293179. AGAVE MARMORATA Roehl.

Col. No. 20225. Local name: Pitzomel. Eight km. southwest of Tehuacan, along road to Zapotitlan, Puebla. Elevation 1,800 meters. Rosettes large, open, green to glaucous; leaves broad, sprawling, flexuous.

293170 to 293195—Continued

293180. *AGAVE* cf. *PAMPANINIANA* Berger

Col. No. 20275. Local name: Maguey de Pulque. Along Pan-American Highway, 6 km. south of Nochixtlan, Oaxaca. Rosettes medium size, light glaucous gray, suckering freely; leaves plane.

293181 and 293182. *AGAVE* *POTATORUM* Zucc.

293181. Col. No. 20230. Roadside, 8 km. south of Tehuacan, road to Zapotitlan, Puebla. Elevation 1,800 meters. Rosettes, small, single, compact, glaucous; some panicles in bud.

293182. Col. No. 20262. San Filipe, Oaxaca. Elevation 1,675 meters. Plants in wild, small (large for this species), mostly single; rosettes bright glaucous green; leaves ascending, tinted.

293183. *AGAVE* cf. *POTATORUM* Zucc.

Col. No. 20277. Along Pan American Highway, 18 km. north of Nochixtlan, Oaxaca. Plants in wild, small, glaucous; rosettes single.

293184. *AGAVE* *ROEZLIANA* Baker

Col. No. 20342. Local name: Tonichio. Zapotitlan, Puebla, 4 miles southwest of Tehuacan. Elevation 1,600 meters. Rosettes small to medium size; leaves dark green, bronze to yellow green; flowers greenish purple to dark purple.

293185. *AGAVE* cf. *STRIATA* Zucc.

Col. No. 20226. Local name: Rabo e Leon. Along road to Zapotitlan, Puebla, 8 km. south of Tehuacan. Elevation 1,800 meters. Plants dense, cespitose, polycarpic; leaves short, nonstriate; peduncles to 3 meters high, buds and tepals dark purple outside; corolla greenish purple within. Cacajuitas, a native dish, is made with buds cooked in salt water and mixed with eggs.

293186. *AGAVE* cf. *TEQUILANA* Web.

Col. No. 20266. Local name: Maguey Azul. Roadside, 5 km. east of Oaxaca de Juarez. Plant bluish glaucous; leaves swordlike, long. Cultivated for mescal; matures in 8 years.

293187. *AGAVE* sp.

Col. No. 20156. Road fork, road to Linares, Nuevo Leon, 35 km. east of Galena. Elevation 900 meters. Plants large; rosettes glaucous green to gray; leaves plane, ascending; peduncles to 8 meters high with up to 20 laterals in terminal quarter; flowers yellow.

293188. *AGAVE* sp.

Col. No. 20157. Crossroad, 26 km. east of Galena, road to Linares, Nuevo Leon. Rosettes large, glaucous gray; leaves plane, reclining at inflorescence; peduncle to 7 meters high with 20 laterals; tepals with anthers yellow; ovary green.

293189. *AGAVE* sp.

Col. No. 20159. Sierra Potosi near Galena, Nuevo Leon. Elevation 2,700 meters. Rosettes compact green with short, broad, leaves; panicles 2.5 meters high with 20 short laterals.

293190. *AGAVE* sp.

Col. No. 20162. Valley silt, 26 km. east of Huizache Junction, San Luis Potosi. Elevation 1,150 meters. Plant symmetrical, light glaucous; peduncle to 5 meters high; panicles small; tepals and anthers yellow. Population extensive.

293191. *AGAVE* sp.

Col. No. 20264. Local name: Maguey de Pulque. Roadside, 16 km. east of Oaxaca. Plants large, white glaucous; leaves narrow, stiff, ascending. Mescal maguey reportedly requiring to 20 years to mature.

293170 to 293195—Continued**293192. AGAVE sp.**

Col. No. 20265. Local name: Espadin. Roadside, 6 km. east of Oaxaca de Juarez. Plants many leaved, radial, suckering; rosettes green; leaves swordlike, stiff, long; teeth heavy, black.

293193. AGAVE sp.

Col. No. 20273. Local name: Maguëy del Cumbre. Roadside, 22 km. beyond Ixtlan, road to Tuxtepec, Oaxaca. Elevation 2,900 meters. Plants large, glaucous green (the largest wild agave seen by the collector), forming seedling population on rocky, forested slope; leaves wide, ascending, to 2 meters long and 40 cm. wide; peduncle thick, to 10 meters high, with 12 to 18 short laterals. Densely fruited, now in bud.

293194. AGAVE sp.

Cbl. No. 20348. Local name: Capulixtl. Twenty-two miles southwest of Tehuacan along road to Huajuapán, Puebla. Elevation 1,750 meters. Rosettes mostly single, radial, green with ascending straight plane leaves; spike with short umbellate branches 5 meters high with open capsules.

293195. MANFRED sp. Amaryllidaceae.

Col. No. 20270. Along road to Tuxtepec, Oaxaca, 10 km. east of Ixtlan. Elevation 2,300 meters. Plant rosette; leaves few, small, narrow, spotted or unspotted; peduncle long, with short terminal racemes; flowers purple.

293196. MYRISTICA FRAGRANS Houtt. Myristicaceae.**Common nutmeg.**

From Indonesia. Seeds presented by the Agricultural Attache, Djakarta. Received Oct. 11, 1963.

Received from an exporter in Surabaya, P. T. "Amersal" Tjabang Surabaya, Djalán Gambir No. 15.

293197 to 293199.

From Thailand. Plants presented by the United States Embassy, Bangkok. Received Oct. 16, 1963.

293197. ACROCERAS MACRUM Stapf Poaceae.

No. K 106. Local name: Nilegrass. Well adapted at Bangkok.

293198. DICHANTHIUM ARISTATUM (Poir.) C. E. Hubb. Poaceae.**Angleton grass.**

'Alabang X'. No. K 119. Well adapted at Bangkok.

293199. DIGITARIA sp. Poaceae.

Local name: Zacate grass. No. K 107. Well adapted at Bangkok.

293200 to 293293. BETA VULGARIS L. Chenopodiaceae. Beet.

From Great Britain. Seeds presented by O. D. Hunt, Torpoint, Cornwall, England. Received Oct. 17, 1963.

293200 to 293219. Looe numbers.

293200. No. 1.	293209. No. 10.
293201. No. 2.	293210. No. 11.
293202. No. 3.	293211. No. 12.
293203. No. 4.	293212. No. 13.
293204. No. 5.	293213. No. 14.
293205. No. 6.	293214. No. 15.
293206. No. 7.	293215. No. 16.
293207. No. 8.	293216. No. 17.
293208. No. 9.	293217. No. 18.

293200 to 293293—Continued

293218. No. 19.

293219. No. 20.

293220 to 293239. Mewstone-Wembury numbers.

293220. No. 1. East slope, below house.

293221. No. 2. Lower east slope.

293222. No. 3. Upper east slope.

293223. No. 4. Top of east slope.

293224. No. 5. Upper west slope, shaded.

293225. No. 6. West slope.

293226. No. 7. Lower west slope.

293227. No. 8. South slope.

293228. No. 9. South slope.

293229. No. 10. South slope.

293230. No. 11. South slope.

293231. No. 12. Lower southeast slope (Rockface).

293232. No. 13. Lower southeast slope (Rockface).

293233. No. 14. Lower southeast slope (Rockface).

293234. No. 15. Southeast slope.

293235. No. 16. East slope.

293236. No. 17. East slope below house.

293237. No. 18. East slope below house.

293238. No. 19. East slope below house.

293239. No. 20. East slope below house.

293240 to 293263. Tamar Numbers.

293240. No. 1. Lynher estuary.

293241 to 293263. Torpoint.

293241. No. 2.

293253. No. 14.

293242. No. 3.

293254. No. 15.

293243. No. 4.

293255. No. 16.

293244. No. 5.

293256. No. 17.

293245. No. 6.

293257. No. 18.

293246. No. 7.

293258. No. 19.

293247. No. 8.

293259. No. 20.

293248. No. 9.

293260. No. 21.

293249. No. 10.

293261. No. 22.

293250. No. 11.

293262. No. 23.

293251. No. 12.

293263. No. 24.

293252. No. 13.

293264 to 293293. Wembury Shore numbers.

293264. No. 1.

293270. No. 7.

293265. No. 2.

293271. No. 8.

293266. No. 3.

293272. No. 9.

293267. No. 4.

293273. No. 10.

293268. No. 5.

293274. No. 11.

293269. No. 6.

293275. No. 12.

293200 to 293293—Continued

293276. No. 13.	293285. No. 22.
293277. No. 14.	293286. No. 23.
293278. No. 15.	293287. No. 24.
293279. No. 16.	293288. No. 25.
293280. No. 17.	293289. No. 26.
293281. No. 18.	293290. No. 27.
293282. No. 19.	293291. No. 28.
293283. No. 20.	293292. No. 29.
293284. No. 21.	293293. No. 30.

293294. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Madagascar. Cuttings presented by the Institut de Recherches, Agronomiques de Madagascar, Tananarive. Received Oct. 17, 1963.

293295 and 293296. PENNISETUM SPICATUM (L.) Willd. Poaceae. Pearl millet.

From India. Seeds collected by G. W. Burton, Georgia Coastal Plain Experiment Station, Tifton, Ga. Received Oct. 17, 1963.

293295. From D. S. Athwal, Ludhiana. Plant long bristled, open pollinated.

293296. From J. B. Majmudar. Weeping earhead, SP JM 63.

293297 to 293300. VICIA SATIVA L. Fabaceae. Common vetch.

From France. Seeds presented by the Station Amelioration des Plantes, Institut National de la Recherche Agronomique, Montpellier. Received Oct. 17, 1963.

293297. 'Blanchefleur'. Spring vetch; seeds brown.

293298. 'Blanchegrain'. Spring or winter vetch; seeds "white".

293299. 'Occitane'. Spring vetch; seeds brown.

293300. 'Septimane'. Winter vetch; seeds brown.

293301 to 293310. ZEA MAYS L. Poaceae. Corn.

From the Republic of South Africa. Seeds presented by the United States Embassy, Pretoria. Received Oct. 17, 1963.

293301. No. A21. DL/63/640. Seeds white.

293302. No. A22. DL/63/647. Seeds white.

293303. No. E184. DL/63/644. Seeds white.

293304. K44. DL/63/641. Seeds yellow.

293305. K148. DL/63/642. Seeds yellowish.

293306. No. Mo2RF. DL/63/643. Seeds white.

293307. No. N.72. DL/63/645. Seeds white.

293308. Mex. 155-86. DL/63/638. Seeds white.

293309. Mex. 155-152. DL/63/639. Seeds white.

293310. Mex. 155-156. DL/63/640. Seeds white.

293311 to 293316. GOSSYPIUM (hybrids). Malvaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received Oct. 17, 1963.

All are formerly from Colombia.

293311. CAT-SP1. 'Miraflores'. Dept. de Boyaea.

293311 to 293316—Continued

293312. CAT-SP2. 'Lengupa'. Dept. de Santander.
 293313. CAT-SP3. 'La Misericordia'.
 293314. CAT-SP4. Line 18; natural hybrid from the Atlantic coast. Sabanalarga, Dept. del Atlantico.
 293315. CAT-SP5. 'Pajarito'. Dorada, Caldar.
 293316. CAT-SP6. Natural hybrid from the Atlantic coast. Barranquilla, Dept. del Atlantico.

293317 to 293322. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Sweden. Seeds presented by the Weibullsholm Plant Breeding Institute, Landskrona. Received Oct. 17, 1963.

Spring wheat.

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| 293317. No. 5583. | 293320. No. 7330. |
| 293318. No. 5837. | 293321. No. 7389. |
| 293319. No. 7327. | 293322. 'Weibulls Original Ring'. |

293323 to 293325.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, el Sombrero. Received Oct. 17, 1963.

293323. PASPALUM GUENOARUM Arech. Poaceae.

293324. PASPALUM ROJASII Hack.

293325. CENCHRUS CILIARIS L.

Buffelgrass.

293326 to 293335. ARRACACIA XANTHORRHIZA Bancroft Apiaceae.

Arracacha.

From Colombia. Tubers collected by Melvin Lee Bristol, Sibundoy, Putumayo. Received Oct. 21, 1963.

Sibundoy Numbers.

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| 293326. No. 1. | 293331. No. 13. |
| 293327. No. 5. | 293332. No. 17. |
| 293328. No. 6. | 293333. No. 20. |
| 293329. No. 7. | 293334. No. 21. |
| 293330. No. 9. | 293335. No. 22. |

293336 to 293341.

From Japan. Scions collected by W. P. Bitters, University of California, Riverside. Collected February 1963. Numbered Oct. 22, 1963.

293336. CITRUS KINOKUNI Hort. ex Tanaka Rutaceae.

'Seedless Hira-Kishu'. Fruit to 5 cm. diameter, flat tangarine orange color, easy to peel, seedless, excellent flavor.

293337. CITRUS ROKUGATSU Hort. ex Tanaka

'Rokugatsu-mikan'. Fruit to 4 cm. diameter, round, smooth skinned, orange colored; seeds 5 to 8, polyembryonic. For rootstock.

293338 to 293341. CITRUS UNSHIU Marc.

293338. 'Dobashi-Beni'. A typical 'Satsuma' except the rind is deeper reddish orange color.

293339. 'Ishikawa Unshu'. A late variety with good keeping qualities.

293340. 'Miyagawa Wase'. One of the earliest, best and most popular Japanese 'Satsuma' strains. Fruit rounder and rind thicker than regular 'Satsuma'.

293336 to 293341—Continued

293341. 'Sugiyama Unshu'. Probably most popular 'Satsuma' in Japan. Trees productive; fruit uniform in shape, good texture, good quality, maturing earlier than 'Futsu' strain.

293342 to 293348.

From Cyprus. Seeds presented by the Ministry of Agriculture, Nicosia. Received Oct. 22, 1963.

293342 and 293343. *AVENA BARBATA* Brot. Poaceae. Slender oats.

293342. No. 1.

293343. No. 2.

293344 to 293348. *AVENA SATIVA* L. Common oats.

293344. Mixed varieties.

293347. 'Red Algerian'.

293345. 'Orient'.

293348. 'White Algerian'.

293346. 'Palestine 1005'.

293349 to 293358.

From Peru. Seeds presented by the Universidad Agraria, Departamento de Horticultura, La Molina. Received Oct. 22, 1963.

293349. *CAPSICUM PENDULUM* Willd.

'Lurin'. Chili pickling pepper. Peppers hot, 12–18 cm. long, orange red or green, very pungent. Growing season 6 to 7 months. Susceptible to wilt.

293350. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.

'Dhua'. L–M 1–2. Locally adapted variety from cross of Castilian type melon and 'Honeydew'. Fruits oval, netted; flesh orange colored, with high sugar content.

293351. *CYCLANTHERA PEDATA* (L.) Schrad. Cucurbitaceae.

'Caihua Criolla'. Productive monoecious vine; fruits soft green spongy gourds which are cooked as a vegetable, stuffed like sweet peppers, used in salads, and made into marmalade; seeds black.

293352. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

'Huando'. Plant indeterminate; local selection for large fruit and firmness when ripe. Growing period 5 to 6 months.

293353 to 293358. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.

293353. A.

293356. D.

293354. B.

293357. E.

293355. C4.

293358. F.

293359 to 293371.

From Mexico. Plants collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Oct. 24, 1963.

293359. *AGAVE* cf. *AMERICANA* L. Amaryllidaceae.

Col. No. 20452. *Opuntia*-shrub slope, 0.25 mile east of Route 59, 2.5 miles north of Queretaro. Rosettes medium size, light glaucous, suckering; leaves plane to conduplicate.

293360. *AGAVE* cf. *APPLANATA* Lem.

Col. No. 20444. Roadside, 1 mile southeast of Nochixtlan, Oaxaca. Elevation 5,750 feet. Rosettes light glaucous, many leaved; leaves rigid, swordlike, regularly armed; teeth large, distal, strong; border cutinous, nearly continuous; trunk large.

293359 to 293371—Continued**293361. AGAVE cf. ASPERRIMA Jacobi**

Col. No. 20470. Rocky slope, 2 miles west of Yerbanis, Durango. Rosettes mixed population, green and white glaucous, freely suckering.

293362. AGAVE CAECILIANA Berger

Col. No. 20468. Sandy, calcareous rocky slope, 10 miles north of Cuencame, Durango. Plants numerous; rosettes light gray, suckering; leaves lanceolate, double sigmoid, on mature plants only; panicle weathered, with 6 to 10 laterals.

293363. AGAVE FILIFERA Salm-Dyck

Col. No. 20464. Volcanic igneous soil, 12 miles southwest of San Luis Potosi, San Luis Potosi. Elevation 7,300 feet. Rosettes short, many leaved, suckering, green; leaves white streaked; spikes to 6 feet high, thickly set with capsules in upper two-thirds.

293364. AGAVE FLEXISPINA Trel.

Col. No. 20466. Limestone soil, Sierra Papanton, Durango-Zacatecas border. Rosettes in wild variable, small, light gray, suckering; leaves acuminate. Shoots eaten by cattle.

293365. AGAVE LECHEGUILLA Torr.

Col. No. 20467. In wild 10 miles north of Cuencame, Durango. Extensive clones of the long-lived form.

293366. AGAVE PATONII Trel.

Col. No. 20472. Open slopes along road to Mazatlan, 20 miles west of Ciudad Durango. Small clonal colonies; rosettes compact, gray glaucous, suckering.

293367. AGAVE PEDUNCULIFERA Trel.

Col. No. 20475. Volcanic cliffs, 3 miles southwest of Palmito, Durango. Elevation 6,800 feet. Rosettes open, few leaved, glaucous, single.

293368. AGAVE cf. RASCONENSIS Trel.

Col. No. 20455. Local name: Maguey Chino. Tamasopo, San Luis Potosi. Elevation 1,500 feet. Medium to large, light primrose glaucous maguey; leaves erect to outcurving. Cultivated.

293369. AGAVE VESTITA Wats.

Col. No. 20473. Sunny side of volcanic cliff, 20 miles east of Palmito, Durango. Elevation 8,300 feet. Rosettes variable, many leaved, green, single; spikes to 6 feet high, densely flowered; buds and tepals pink to red; anthers usually red.

293370. AGAVE sp.

Col. No. 20474. Volcanic igneous soil 9 miles east of Palmito, Durango. Elevation 7,000 feet. Plants in wild; rosette large to medium, single, green, glaucous; leaves narrow, mescal type.

293371. AGAVE sp.

Col. No. 20479. Sierra Calabasas and Tupeyeca, Rio Mayo, Sonora. Leaves long, narrow, ensiform. Cultivated.

293372. GLORIOSA SUPERBA L. Melanthiaceae. Malabar glorylily.

From Nigeria. Seeds presented by the Botanical Gardens, University of Ibadan, Ibadan. Received Oct. 24, 1963.

293373. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Argentina. Seeds presented by the Manfredi Experiment Station, Cordoba Province. Received Oct. 24, 1963.

'Scantamburlo'. Variety developed by natural selection.

293374 to 293384.

From Mexico. Plants collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Oct. 29, 1963.

293374. AGAVE cf. AMERICANA L. Amaryllidaceae.

Col. No. 20416. Local name: Maguey Pinto. Las Vigas, Veracruz. Elevation 7,500 feet. Plant large, variable, glaucous. Cultivated as a pulque maguey.

293375. AGAVE cf. ANGUSTIFOLIA Haworth

Col. No. 20449. Alluvial arroyo bank, along road to Tehuacan, 28 miles northeast of Huajuapán, Oaxaca. Plant large, in wild.

293376 and 293377. AGAVE cf. APPLANATA Lem.

293376. Col. No. 20415. Lava beds, Limón, Veracruz. Elevation 7,800 feet. Rosette single, compact, light green to glaucous, suckering widely when young; leaves rigid, lengthening at maturity; teeth variable. Seedlings abundant. Fiber used for rope and brushes.

293377. Col. No. 20420. Local name: Maguey de Ixtle. Magueyitos, Veracruz. Elevation 8,000 feet. Rosettes glaucous white, medium sized; leaves linear, to 3 feet long; panicle to 12 feet high with about 28 laterals; flowers yellow; ovaries green. Cultivated for fiber.

293378. AGAVE cf. ATROVIRENS Karw.

Col. No. 20408. Volcanic rock and ash 1.25 miles from the Puebla-Jalapa highway, road to Guadalupe, Victoria, Puebla. Elevation 8,000 feet. Rosettes large green, widely suckering; leaves strictly ascending; tips outflexed.

293379. AGAVE LOPHANTHA Schiede**Crested agave.**

Col. No. 20410. Local name: Magueyito. Malpais, La Concepción, southeast of Naulinco, Veracruz. Elevation 3,300 feet. Rosettes small, on short trunks, green, radiate; leaves straight, plane, some with center pale stripes. In wild, population small.

293380. AGAVE MAPISAGA Trel.

Col. No. 20387. Sierra Mazateca. Large maguey; leaves long, acuminate. In wild and cultivated.

293381 and 293382. AGAVE OBSCURA Schiede

293381. Col. No. 20407. Volcanic gravel outwash, 2 miles southeast of the Puebla-Jalapa Hwy., road to Guadalupe, Victoria, Puebla. Elevation 8,000 feet. Rosettes single, many leaved, compact, rarely suckering; leaves green, slightly incurving. Population small, scattered.

293382. Col. No. 20417. Local name: Lechuguilla. Lava bed 4.5 miles north of Limón, Veracruz. Elevation 7,800 feet. Plant compact, light green, many leaved, single rosette, rarely suckering; leaves nearly straight; teeth varying; spike thick at base, tapering; ovaries red; tepals purple with yellow-green margins inside; anthers reddish-bronze.

293383. AGAVE XALAPENSIS Roehl.

Col. No. 20412. In wild, Malpais, below Jilotepec, road to Naulingo, Veracruz. Elevation 4,500 feet. Plant terrestrial and epiphytic on other plants; rosette single, caespitose, green; leaves few, spreading, somewhat glaucous, elongate in partial shade; polycarpic.

293384. AGAVE sp.

Col. No. 20446. Along road to Tehuacan, 17 miles northeast of Huajuapán, Oaxaca. Rosettes medium sized, glaucous, suckering; leaves spatulate to lanceolate, outcurving; teeth long cuspid, proximal.

293385. STYLOSANTHES GRACILIS HBK Fabaceae.

From Hong Kong. Seeds presented by the Agriculture and Forestry Department, North Kowloon. Received Oct. 31, 1963.

293386 and 293387.

From the Republic of South Africa. Seeds and bulbs collected by R. J. Seibert, Longwood Gardens, Kennett Square, Pa. Received Oct. 30, 1963.

293386. ENCEPHALARTOS VILLOSUS Lem. Cycadaceae.

Col. No. 0053. Port St. Johns. August 1963.

293387. LACHENALIA sp. Liliaceae.

Col. No. 0052. Port Edward Victoria. August 1963 (Bulbs).

293388 to 293392. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Mexico. Cuttings presented by the Brock Ranch, Los Mochis. Received Oct. 30, 1963.

293388. Co-467.

293391. Mex-58-1857.

293389. Mex-XX.

293392. Mex-58-1868.

293390. Mex-55-250.

293393. TRICHACHNE INSULARIS (L.) Nees Poaceae.

From British Guiana. Seeds presented by R. Goodland. Received Oct. 31, 1963.

This may become a weed under certain conditions.

293394 to 293414. HORDEUM SPONTANEUM K. Koch Poaceae.

From the Union of Soviet Socialist Republics. Seeds obtained by G. A. Wiebe, Crops Research Division, Beltsville, Md. Numbered Nov. 1, 1963.

Obtained at the First International Barley Genetics Symposium, Wageningen, Netherlands.

<i>Bakhteyev classification</i>	<i>Source</i>
293394. Ischnatherium I.	Turkmen SSR, Manyah, 1960.
293395. Ischnatherium II.	Turkmen SSR, Manyah, 1960.
293396. Laguculiforme 1960.	Turkmen SSR, Manyah repr., 1962.
293397. Laguculiforme (4).	Turkmen SSR, Manyah repr., 1962.
293398. Laguculiforme (7).	Turkmen SSR, Manyah repr., 1962.
293399. Proskowetzii I.	Turkmen SSR, Kara-Kala, 1962.
293400. Proskowetzii III.	Turkmen SSR, Kara-Kala, 1962.
293401. Spontaneum II.	Turkmen SSR, Koshtemir, 1960.
293402. Proskowetzii I.	Turkmen SSR, Koshtemir, 1960.
293403. Ischnatherum I.	Turkmen SSR, Koshtemir, 1960.
293404. Ischnatherum II.	Turkmen SSR, Koshtemir, 1960.
293405. Ischnatherum I.	Turkmen SSR, Gaudan, 1960.
293406. Spontaneum II.	Turkmen SSR, Sumbar, 1960.
293407. Ischnatherum I.	Turkmen SSR, Sumbar, 1960.
293408. Ischnatherum II.	Turkmen SSR, Sumbar, 1960.
293409. Proskowetzii I.	Turkmen SSR, Chandyr, 1962.
293410. Proskowetzii II.	Turkmen SSR, Chandyr, 1962.

293394 to 293414—Continued

- | <i>Bakhteyev
classification</i> | <i>Source</i> |
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| 293411. <i>Ischnatherum</i> I. | Tjik SSR, Teshrabad, 1961. |
| 293412. <i>Ischnatherum</i> II. | Tjik SSR, Teshrabad, 1961. |
| 293413. <i>Spontaneum</i> I. | Azerbaijan SSR, Takhta-Bazar, 1960. |
| 293414. <i>Spontaneum</i> II. | Azerbaijan SSR, Takhta-Bazar, 1960. |
| 293415 to 293418. ZEA MAYS L. Poaceae. | Corn. |
| From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria, via the United States Embassy. Received Nov. 4, 1963. | |
| 293415. Cu 3 CO. DL/63/700. Seeds yellow. | |
| 293416. Mex 155-86. DL/63/698. Seeds white. | |
| 293417. Mex 155-152. DL/63/699. Seeds white. | |
| 293418. Mex 155-156. DL/63/697. Seeds white. | |
| 293419 to 293424. | |
| From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Nov. 4, 1963. | |
| 293419 and 293420. BETA VULGARIS L. Chenopodiaceae. | Beet. |
| 293419. No. 1678. 'Podzimniaja 0474'. Moscow region. | |
| 293420. No. 201/49. 'Bordo 237'. Moscow region. | |
| 293421 to 293423. TRITICUM DURUM var. HORDEIFORME Metzg. Poaceae. | |
| 293421. No. 43297. 'Hordeiforme 191'. Kharkov region. Winter wheat. | |
| 293422. No. 43299. 'Tverdaja 931'. Kharkov region. Winter wheat. | |
| 293423. No. 43746. 'Hordeiforme 25'. Kharkov region. Winter wheat. | |
| 293424. TRITICUM DURUM var. LEUCURUM (Alef.) Stolet. | |
| No. 43298. 'Tverdaja 455/5'. Kharkov region. Winter Wheat. | |
| 293425. DAUCUS CAROTA L. Apiaceae. | Carrot. |
| From Cyprus. Seeds presented by the Ministry of Agriculture and Natural Resources, Nicosia. Received Nov. 5, 1963. | |
| 293426 to 293431. | |
| From Bulgaria. Seeds presented by the Institut fur Pflanzenbau Abteilung Pflanzen Introdaktion, Sofia. Received Nov. 5, 1963. | |
| 293426. PISUM SATIVUM L. Fabaceae. | Garden pea. |
| No. 30. Winter. | |
| 293427 to 293431. VICIA SATIVA L. Fabaceae. | Common vetch. |
| 293427. 'Plovdiv' ('Grandiflora'). | |
| 293428. 'Sofia' ('Yugoslavia'). | |
| 293429. No. 20 IV. Winter. | |
| 293430. No. 20 Sofia'. Spring. | |
| 293431. No. 1561-SIW. Winter. | |
| 293432 to 293434. | |
| From Lebanon. Seeds presented by Purdue University, Lafayette, Ind. Received Nov. 5, 1963. | |
| 293432. CUCUMIS SATIVUS L. Cucurbitaceae. | Cucumber. |

293432 to 293434—Continued

293433. CUCURBITA PEPO L. Cucurbitaceae. Pumpkin.
 293434. HIBISCUS ESCULENTUS L. Malvaceae. Okra.

293435 to 293437. VICIA SATIVA L. Fabaceae. Common vetch.

From France. Seeds presented by Graines d'Elite Clause, Bretigny-Sur-Orge. Received Nov. 5, 1963.

293435. 'Claudia Bleue'. Spring or winter vetch.
 293436. 'Vedoc'. Spring vetch.
 293437. Winter vetch.

293438 and 293439.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 5, 1963.

293438. CASSIA sp. Caesalpinaceae.

Col. No. 20336. Caliche mesa, Tehuacan, 4 miles southwest of Puebla. Elevation 500 feet. Shrub in wild, to 3 feet high and 4.5 feet wide; stems drooping, succulent; flowers yellow.

293439. CUPHEA sp. Lythraceae.

Col. No. 20269. Roadside gravel, Ixtlan de Juarez, Oaxaca. Elevation 5,500 feet. Perennial herb in wild; calyx red; petals purple.

293440 to 293445.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Nov. 5, 1963.

- 293440 and 293441. AEGLE MARMELLOS (L.) Correa. Rutaceae. Bael.

293440. From Delhi market.

293441. From Hort. Research Sta., Saharanpur, U. P.

293442. BUCHANANIA LATIFOLIA Roxb. Anacardiaceae.

Local name: Cherongi.

- 293443 to 293445. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

From Kinnaur Dist., Himachal Pradesh, near Tibet. Elevation 7,500 to 9,000 feet. Annual rainfall 5 to 10 inches.

293443. I.W. 1851.

293444. I.W. 1853.

293445. I.W. 1854.

293446 to 293590. VIGNA SINENSIS (Torner) Savi Fabaceae.

From unknown sources. Seeds held at the Regional Plant Introduction Station, Experiment, Ga. Numbered Nov. 5, 1963.

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| 293446. 'Adzuki'. | 293456. 'Black Crowder'. |
| 293447. 'Alabama Blackeye'. | 293457. 'Blackeye'. |
| 293448. 'Alabama Browneye'. | 293458. 'Blackeye 5'. |
| 293449. 'Alabama Bunch'. | 293459. 'Blackeye 7'. |
| 293450. 'Alabama Crowder'. | 293460. 'Blackeye 72'. |
| 293451. 'Alabama Long'. | 293461. 'Blackeye 1239'. |
| 293452. 'Alabama Puffy'. | 293462. 'Blackeye 8152'. |
| 293453. 'Arlington'. | 293463. 'Blackeye White Crowder'. |
| 293454. 'Azul Grande'. | 293464. 'Blacks'. |
| 293455. 'Black'. | 293465. 'Blue Goose'. |

293446 to 293590—Continued

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| 293466. 'Brabham'. | 293510. 'Gargancito Institute 0151'. |
| 293467. 'Brabham K 892'. | 293511. 'Georgia Blackeye'. |
| 293468. 'Brabham Victor'. | 293512. 'Giant Blackeye'. |
| 293469. 'Brown Crowder'. | 293513. 'Giant Ramshorn Blackeye'. |
| 293470. 'Browneye Cream'. | 293514. 'Groit'. |
| 293471. 'Browning'. | 293515. 'Haciquacha'. |
| 293472. 'Brown Sugar Crowder'. | 293516. 'Hib Canelo'. |
| 293473. 'Buff'. | 293517. 'Holstein'. |
| 293474. 'Cabbage Pea'. | 293518. 'Honolulu'. |
| 293475. 'Calhoun'. | 293519. 'Institute 0154'. |
| 293476. 'Calhoun Crowder'. | 293520. 'Iron'. |
| 293477. 'California Blackeye'. | 293521. 'Iron K 329'. |
| 293478. 'California Blackeye 5'. | 293522. 'Jackson Alabama'. |
| 293479. 'California Blackeye 7'. | 293523. 'Jackson Bunch'. |
| 293480. 'Calva'. | 293524. 'Jackson Bunch Purplehull'. |
| 293481. 'Chinegra Institute 0189'. | 293525. 'Jackson Purplehull'. |
| 293482. 'Chinese Red'. | 293526. 'Korean Crowder'. |
| 293483. 'Chinto Institute 0190'. | 293527. 'Kuro'. |
| 293484. 'Clay 1'. | 293528. 'Kuromandara'. |
| 293485. 'Clay-brown'. | 293529. 'Lady Alabama'. |
| 293486. 'Clay-brown 1330'. | 293530. 'Lady Edible'. |
| 293487. 'Clay-buff'. | 293531. 'Large Black'. |
| 293488. 'Clay-buff 993'. | 293532. 'Large Virginia Blackeye'. |
| 293489. 'Clay-buff 1331'. | 293533. 'Long Pod Cream'. |
| 293490. 'Clay K 713'. | 293534. 'Mississippi Conch'. |
| 293491. 'Columbia'. | 293535. 'Mississippi Crowder'. |
| 293492. 'Conch'. | 293536. 'Monarch'. |
| 293493. 'Cornfield English'. | 293537. 'New Era'. |
| 293494. 'Cream'. | 293538. 'Oklahoma Black'. |
| 293495. 'Cream Crowder'. | 293539. 'Oklahoma Clay-brown 922'. |
| 293496. 'Cream Crowder Lady'. | 293540. 'Paraguay 1'. |
| 293497. 'Cream Long'. | 293541. 'Paraguay 2'. |
| 293498. 'Cream White'. | 293542. 'Paraguay 5'. |
| 293499. 'Davis Pea'. | 293543. 'Paraguay 6'. |
| 293500. 'Dixie Lee'. | 293544. 'Paraguay 10'. |
| 293501. 'Dixie Queen'. | 293545. 'Paraguay 12'. |
| 293502. 'Dixie Queen Browneye'. | 293546. 'Paraguay 18'. |
| 293503. 'Early Blackeye'. | 293547. 'Potomac'. |
| 293504. 'Early Dixie Queen'. | 293548. 'Progressive White'. |
| 293505. 'Early Ramshorn Blackeye'. | 293549. 'Purplehull 49'. |
| 293506. 'Early Red'. | 293550. 'Purplehull 3445'. |
| 293507. 'Early Red K 736'. | 293551. 'Purplehull 5036'. |
| 293508. 'Early Silver Crowder'. | 293552. 'Purplehull Bunch'. |
| 293509. 'Extra Early Blackeye'. | 293553. 'Purple Pod'. |

293446 to 293590—Continued

293554. 'Purple Pod 8445'.	293573. 'Taylor'.
293555. 'PHS 84801'.	293574. 'Texas Cream'.
293556. 'Rice'.	293575. 'Texas Cream 10'.
293557. 'Red Cowpea'.	293576. 'Texas Cream 14'.
293558. 'Red Ripper'.	293577. 'Texas Cream 40'.
293559. 'Red Ripper K 711'.	293578. 'Texas Cream 42'.
293560. 'Red Speckled Crowder 1'.	293579. 'Texas P.H. 49'.
293561. 'Red Speckled Crowder 2'.	293580. 'Texas Puffy Pod'.
293562. 'Red Speckled Crowder 3'.	293581. 'Victor'.
293563. 'Red Speckled Crowder 4'.	293582. 'Victor K 798'.
293564. 'Red Speckled Crowder 5'.	293583. 'Virginia Blackeye'.
293565. 'Shiro'.	293584. 'Whippoorwill'.
293566. 'Shiro Zuru'.	293585. 'White Browneye Crowder'.
293567. 'Six-weeks Alabama'.	293586. 'Wilt Resistant Blackeye'.
293568. 'Six-weeks Georgia'.	293587. 'Wilt Resistant Chinese Red'.
293569. 'Speckled Crowder'.	293588. 'Wilt Resistant Early Ramshorn Blackeye'.
293570. 'Speckled Purplehull'.	293589. 'Woodgrit'.
293571. 'Suawanee'.	293590. 'Wood's Sumptuous'.
293572. 'Sumptuous'.	

293591. TRIFOLIUM PRATENSE L. Fabaceae. **Red clover.**

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Nov. 6, 1963.

Component of P.I. 266044, *T. hybridum*, from Poland. Plants semi-erect to erect, moderate vigor, poor winter hardiness at Geneva, 21 by 38 inches; leaves dark green; flowers red, on erect peduncles, mid-July.

293592 to 293598. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From Canada. Seeds presented by the Vegetable and Ornamental Crops Department, Research Station, Summerland, British Columbia. Numbered Nov. 6, 1963.

Verticillium resistant strains (VeVe) developed by the Canada Department of Agriculture, Summerland, B.C. Ve is a single dominant gene resistant to *Verticillium* in tomato from 'Loran Blood'. These resistant varieties bear the prefix "VR" to distinguish them from the nonresistant varieties of the same name.

293592. No. A-643. 'VR Clarke's Early' ('Dohler No. 7').
293593. No. A-644. 'VR Geneva No. 6'.
293594. No. A-645. 'VR Earliest of All'.
293595. No. A-646. 'VR Non-acid'.
293596. No. A-647. 'VR Red Chief'.
293597. No. A-648. 'VR Stokesdale No. 4'.
293598. No. A-649. 'VR Ace'.

293599 to 293662.

From Kenya. Seeds collected and presented by W. W. Huffine, Oklahoma State University, Stillwater. Received Nov. 6, 1963.

293599 to 293649. CYNODON DACTYLON (L.) Pers. Poaceae. **Bermudagrass.**

293599 to 293662—Continued

293599. Col. No. 62-371. One seed from East African herbarium specimen; Mt. Kitale.
293600. Col. No. 62-375. Perkerra Irrigation Scheme. Elevation 3,400 feet. Single whorl inflorescence; blades hairy, both sides.
293601. Col. No. 62-376. Perkerra Irrigation Scheme. Elevation 3,400 feet. Two-whorled inflorescence; blades hairy, both sides.
293602. Col. No. 62-377. Perkerra Irrigation Scheme. Elevation 3,400 feet. Three or more whorled; blades hairy, both sides.
293603. Col. No. 63-372. Perkerra Irrigation Scheme. Elevation 3,400 feet. Plants leafy forage type.
293604. Col. No. 63-373. Open brush, Perkerra Irrigation Scheme. Elevation 3,400 feet.
293605. Col. No. 63-374. Perkerra Irrigation Scheme. Elevation 3,400 feet. Plants giant type, coarse, leafy; mostly single-whorled inflorescence.
293606. Col. No. 63-379. Foothills on road to Thompson's Falls, about 3 miles north of Nairobi. Elevation 6,500 feet. Inflorescence purple.
293607. Col. No. 63-380. South side of mountain, Thompson's Falls-Nakuru road. Elevation 7,000 feet. Plant characteristics suggest both *C. dactylon* and *C. plectostachyus*.
293608. Col. No. 63-381. Open roadside, forest area, Thompson's Falls-Nakuru road.
293609. Col. No. 64-382. Reddish gravelly soil, 21.5 miles south of Eldoret, Nairobi-Kitale road. Elevation 7,800 feet.
293610. Col. No. 64-383. Eldoret. Elevation 7,000 feet.
293611. Col. No. 64-384. Eldoret. Elevation 7,000 feet.
- 293612 to 293649. The "K" numbers are Kenya Grassland Expt. Sta., Kitale, numbers.
293612. Col. No. 65-401. K-614. Fort Hall.
293613. Col. No. 65-405. K-56357. Kitale, Kenya via Uganda.
293614. Col. No. 65-407. K-6035. Plant robust, leafy, difficult to eradicate.
293615. Col. No. 65-409. K-56361. Kitale, Kenya via Uganda.
293616. Col. No. 65-411. K-56369. Kitale, Kenya via Uganda.
293617. Col. No. 65-413. K-6114. Kiambu. Type 1.
293618. Col. No. 65-414. K-6114. Kiambu. Type 2.
293619. Col. No. 65-416A. K-53672. Kiboko. Fine type.
293620. Col. No. 65-416B. K-53672. Kiboko.
293621. Col. No. 65-416C. K-53672. Kiboko. 1959.
293622. Col. No. 65-418. K-51406. Kiboko.
293623. Col. No. 65-419. K-51407. Kiboko.
293624. Col. No. 65-420A. K-51424. Kitale. 1958.
293625. Col. No. 65-420B. K-51424. Kitale. 1957.
293626. Col. No. 65-420C. K-51424. Kitale. 1957.
293627. Col. No. 65-421A. K-51449. Kitale.
293628. Col. No. 65-421B. K-51449. Kitale.
293629. Col. No. 65-422. K-54277. Southern Rhodesia. Type "C".
293630. Col. No. 65-423. K-52447. Kobete.
293631. Col. No. 65-424A. K-54289. Entebbe, Uganda. Giant type.

293599 to 293662—Continued

293632. Col. No. 65-424B. K-54289. Entebbe, Uganda. D1-41.
 293633. Col. No. 65-424C. K-54289. Entebbe, Uganda. 1955.
 293634. Col. No. 65-425. K-54300. Kawanda, Uganda.
 293635. Col. No. 65-426A. K-54301. Youssa Waswa, Saga, Uganda.
 Giant type.
 293636. Col. No. 65-426B. K-54301. Sasa, Uganda. 1958.
 293637. Col. No. 65-426C. K-54301. Sasa, Uganda. 1956.
 293638. Col. No. 65-427. K-54302. Entebbe, Uganda. 1956.
 293639. Col. No. 65-428. K-5028. Kamasia.
 293640. Col. No. 65-434. K-61114. Athi River. Plants robust, big
 leaved, hairy.
 293641. Col. No. 65-435. K-52272. Dalgety. Dhooft grass.
 293642. Col. No. 65-436. K-51405. Kitale.
 293643. Col. No. 65-441. K-56371. Kitale, Kenya via Uganda.
 293644. Col. No. 65-442. K-6227. Athi River.
 293645. Col. No. 65-443. K-6228. Athi River.
 293646. Col. No. 65-444. K-6229. Athi River.
 293647. Col. No. 65-445. K-6230. Athi River.
 293648. Col. No. 65-446. K-6234. Athi River.
 293649. Col. No. 65-447. K-52447. Kabete plots, Nairobi.
293650 to 293659. CYNODON PLECTOSTACHYUS (K. Schum.) Pilg. Stargrass.
 293650. Col. No. 62-369. Hilly roadside, Lake Naivasha area, edge of
 Rift Valley. Elevation 6,000 feet.
 293651. Col. No. 62-370. Along Nakuru-Nairobi road, Lake Naivasha
 area. Elevation 6,000 feet.
 293652. Col. No. 65-429A. K-6037. Near Naivasha.
 293653. Col. No. 65-429B. K-6037. Near Naivasha.
 293654. Col. No. 65-429C. K-6037. Near Naivasha.
 293655. Col. No. 65-430. K-55100. Northern Province.
 293656. Col. No. 65-431A. K-56424. Ngare, Nairobi.
 293657. Col. No. 65-431B. K-56424. Tengeru, Tanganyika.
 293658. Col. No. 65-432. K-57145. Naivasha.
 293659. Col. No. 65-433. K-57146. Olorgesailie.
293660. CYNODON sp.
 Col. No. 62-378. Perkerra Irrigation Scheme lawn.
293661. CYNODON sp.
 Col. No. 65-403. El-45, Kenya Grassland Res. Sta., Kitale.
293662. CYNODON sp.
 Col. No. 65-417. El-46, Kenya Grassland Res. Sta., Kitale.

293663 to 293666.

From Tanganyika. Seeds collected and presented by W. W. Huffine, Okla-
 homa State University, Stillwater. Received Nov. 7, 1963.

- 293663 to 293665. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.**
 293663. Col. No. 61-365. Zanzibar. At sea level.
 293664. Col. No. 61-366. Zanzibar. At sea level.

293663 to 293666—Continued

293665. Col. No. 61-367. Dry, sandy soil, Agricultural Experiment Station, Kigimbani, Zanzibar. Stolons and culms red; leaf blades short, broad, glabrous.

293666. *STENOTAPHRUM SECUNDATUM* (Walt.) Kuntze Poaceae.
St. Augustine grass.

Col. No. 61-368. Agr. Expt. Sta., Kigimbani, Zanzibar.

293667. VITIS VINIFERA L. Vitaceae. European grape.

From Bulgaria. Cuttings presented by the Institute Rastenievodstvo Zaphirof. Received Nov. 8, 1963.

'Tscherwen Septemwrijuski'.

293668 to 293673.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received Nov. 12, 1963.

293668. *CIENFUEGOSIA ARGENTINA* Gurke Malvaceae.

CGE-SP61. Field grown.

293669. *CIENFUEGOSIA HILDERBRANDTII* Garcke

CGE-SP54. Greenhouse grown.

293670. *CIENFUEGOSIA* × *SULFUREA* (H.B.K.) Hassl.

CGE-SP60. Greenhouse grown.

293671. *GOSSYPIOIDES BREVILANATUM* (Hochr.) J. B. Hutchinson

Malvaceae.

CGE-SP57. Greenhouse grown.

293672. *GOSSYPIOIDES KIRKII* (Mast.) Skovsted

CGE-SP56. Greenhouse grown.

293673. *THESPESIA LAMPAS* (Cav.) Dalz. & Gibs. Malvaceae.

CGE-SP52.

293674 and 293675. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Greece. Seeds presented by the Hellenic Agricultural Research Institute, Larissa. Received Nov. 12, 1963.

293674. 'Eynsford'. M-65-14.

293675. 'Hungarian'. M-2787.

293676 and 293677. FICUS COCCULIFOLIA Baker Moraceae.

From the Malagasy Republic. Seeds presented by the United States Embassy, Tananarive. Received Nov. 12, 1963.

293676. No. 2408-SF. Adabomadinika (MVT).

293677. No. 1. 'Sakalavarum'. Adabonmby (MVT).

293678 to 293683. POA PRATENSIS L. Poaceae.

Kentucky bluegrass.

From Canada. Stolons presented by the Plant Research Institute, Canada Department of Agriculture, Ottawa, Ontario. Received Nov. 13, 1963.

293678. Col. No. 3614. Shore sands of lower St. Lawrence River, Penticote, Saguenay County, Quebec.

293679. Col. No. 9097. Tote road in black spruce bog, 5 miles northeast of Gameland, Sutherland Township, Rainy River District, Ontario.

293680. Col. No. 17198. Upper tidal marsh of Minas Basin, Bay of Fundy, near Grande Pre, Kings County, Nova Scotia.

293678 to 293683—Continued

293681. Col. No. 17302. Saline beach of Gulf of St. Lawrence, Riviere a Claude, Gaspé North County, Quebec.

293682. Col. No. 19266. Arid granitic talus along St. Lawrence River, Mallorytown Landing, Leeds County, Ontario.

293683. No collector's number. Kirkstone Pass, Lake District, England. Received in Ottawa March 1963.

293684. HORTIA BRAZILIANA Vand. ex DC. Rutaceae.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Nov. 13, 1963.

Plants reportedly floriferous in Brazilia, but immature fruits destroyed by insects.

293685 and 293686. TRIFOLIUM PRATENSE var. SPONTANEUM Chitrowo Fabaceae.

From Germany. Seeds presented by the Institut fur Grunlandwirtschaft und Futterbau der Justus Liebig-Universitat, Giessen. Received Nov. 13, 1963.

293685. Meadow near Bad Hersfeld. Elevation 250 meters.

293686. Meadow near Giessen, Hessen. Elevation 180 meters.

293687. TRIFOLIUM PRATENSE var. SATIVUM Schreb. Fabaceae.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Nov. 13, 1963.

Component of P.I. 258788, *T. ambiguum* from the U.S.S.R. Plants moderately leafy, late maturing, susceptible to mosaic; flowers red purple.

293688. ARCTOSTAPHYLOS NEVADENSIS A. Gray Ericaceae.

From the United States. Cuttings collected by R. L. Ticknor and now growing at the North Willamette Experiment Station, Aurora, Oreg. Collected August 1963. Numbered Nov. 13, 1963.

Col. No. 11. Open pine-oak forest, 7 miles west of Goldendale, road to Klickatkat, Klickatkat County, Wash. Elevation 1,760 feet.

293689 to 293707. RHODODENDRON (hybrids). Ericaceae.

From the United States. Clones developed by the United States Department of Agriculture, Plant Industry Station, Beltsville, Md., and released January 1961. Numbered Nov. 13, 1963.

293689. 'Little White Lie'. (Tested as No. 553). *Kaempferi* hybrid × 'Snow' × 'Firefly'. Plants very dwarf, moderately loose, and 1.5 times as wide as high; foliage semipersistent; flowers white, hose-in-hose, about 1 inch across, very profuse, in clusters of 2 or 3.

293690. 'White Doll' (Tested as No. 502). From cross of 2 unnamed seedlings of 'Maxwelli', 'Kurume' and *indica* parentage. Plant very dwarf, compact, spreading to twice its height; most of the summer foliage is dropped in the winter; flowers single, white, 1.5 to 2 inches broad, of good substance, profuse in clusters of 2 or 3.

293691. 'White Elf' (Tested as No. 494). From cross of 2 unnamed seedlings of 'Maxwelli', 'Kurume' and *indica* parentage. Plant very dwarf, very dense, about 3 times as wide as high; foliage glossy, very dark green, persistent; flowers single, white, one to 1.5 inches in diameter, sometimes does not flower heavily as a young plant.

293692. 'Pinkette' (Tested as No. 499). From cross of 2 unnamed seedlings of *indica*, 'Kurume' and 'Maxwelli' parentage. Plant very dwarf, compact, spreading to 1.5 times its height; summer foliage does not persist; flowers single, bright medium pink, from one to 1.5 inches across, very floriferous, in clusters of from 3 to 9.

293689 to 293707—Continued

293693. 'Leprechaun' (Tested as No. 504). From cross of two unnamed seedlings of 'Kaempferi', 'Korume' and *indica* parentage. Plant very dwarf, compact, about twice as wide as high; foliage semipersistent, shiny dark green; flowers single, lavender, about one to 1.5 inches wide, numerous in clusters of 2 to 7.
293694. 'Orchid Belle' (Tested as No. 551). From cross of 2 unnamed seedlings of 'Kaempferi' × 'Snow' × 'Firefly' parentage. Plant very dwarf, open, about as tall as wide; summer foliage does not persist; flowers single, orchid, slightly deeper in the throat, about 1.5 inches across, very numerous, usually in clusters of 3.
293695. 'Pequeno' (Tested as No. 552). From cross of 2 unnamed seedlings of 'Kaempferi' × 'Snow' × 'Firefly' parentage. Plant very dwarf, compact, about twice as wide as high; leaves semipersistent; flowers very numerous, hose-in-hose, salmon colored, about 0.75 inch in diameter, in clusters of 3 in rhododendronlike heads.
293696. 'Salmon Elf' (Tested as No. 528). From cross of 2 unnamed seedlings of 'Kaempferi' × 'Snow' × 'Firefly' parentage. Plants very dwarf, open, about as wide as high; summer leaves not persistent; flowers hose-in-hose, salmon pink with a dark splotch, numerous, about 1.25 inches in diameter, in cluster of 2 or 3.
293697. 'Rose Elf' (Tested as No. 485). From crosses of (*indica alba* × 'Snow') × 'Salmon Beauty'. Plant very dwarf, about 1.5 times as wide as high; branches dense, covered with persistent dark green foliage; flowers light rose colored, single, about 1 inch across, profuse.
293698. 'Pink Elf' (Tested as No. 601). From crosses of ('Maxwelli' × 'Snow') × ('Kaempferi' × 'Snow'). Plant very dwarf, about three times as wide as high; branches compact, covered with persistent, dark green foliage; flowers hose-in-hose, shell pink, abundant.
293699. 'Snowdrop' (Tested as No. 602). From crosses of ('Maxwelli' × 'Snow') × ('Kaempferi' × 'Snow'). Plant very dwarf, about 3 times as wide as high; branches compact, covered with dark green foliage; flowers hose-in-hose, clear white, profuse, in clusters of 2 to 7.
293700. 'Boutonniere' (Tested as No. 604). From cross of ('Maxwelli' × 'Snow') × ('Kaempferi' × 'Snow'). Plant medium compact, about one-third wider than high; branches covered with semipersistent, dark green foliage; flowers hose-in-hose, white with cream throats, 1.5 to 1.75 inches across, profuse.
293701. 'Ping Pong' (Tested as No. 606). From cross of ('Maxwelli' × 'Snow') × ('Kaempferi' × 'Snow'). Plant very dwarf, about 1.5 times as wide as high; branches compact, covered with persistent, dark green foliage; flowers hose-in-hose, white with cream throats, about 1.25 to 1.5 inches across, profuse, in clusters of from 3 to 5.
273702. 'Lavender Elf' (Tested as No. 608). From cross of ('Maxwelli' × 'Snow') × ('Kaempferi' × 'Snow'). Plant dwarf, about as wide as high; branches loose, covered with semipersistent foliage; flowers hose-in-hose, lavender colored, large, numerous.
293703. 'White Nymph' (Tested as No. 610). From cross of ('Firefly' × 'Snow') × ('Kaempferi' × 'Snow'). Plant very dwarf, about 1.5 times as broad as high; branches medium compact, covered with persistent, light-green foliage; flowers single, white, about 1 to 1.5 inches across, profuse.
293704. 'Snow Flurry' (Tested as No. 611). From cross of ('Firefly' × 'Snow') × ('Kaempferi' × 'Snow'). Plant very dwarf, about 2 times as wide as high; branches compact, covered with persistent dark-green foliage; flowers hose-in-hose, clear white, profuse.
293705. 'Dainty Rose' (Tested as No. 682). From cross of ('Kaempferi' × 'Snow') × ('Kaempferi' × 'Snow'). Plant extremely dwarf, about 1.5 times as wide as high; branches compact, covered with persistent dark-green foliage; flowers single, Bengal-rose colored, profuse, in clusters of 2 to 3.

293689 to 293707—Continued

293706. 'Purple Cushion' (Tested as No. 688). From cross of ('Kaempferi' × 'Snow') × ('Kaempferi' × 'Snow'). Plant very dwarf, about 2 times as wide as high; branches dense, covered with persistent dark-green foliage; flowers single, cyclamen purple, about 1.5 inches across, profuse.

293707. 'Flower Girl' (Tested as No. 689). From cross of ('Kaempferi' × 'Snow') × ('Kaempferi' × 'Snow'). Plant very dwarf, about 2.5 times as wide as high; branches dense, covered with semipersistent, medium-green leaves; flowers single, dark pink, about 1.75 inches across, profuse.

293708 to 293748. BETA VULGARIS L. Chenopodiaceae. Beet.

From Denmark. Seeds collected and presented by V. Lund, 'Fredensbo', Sandby, near Harpelunde. Collected at Kalundborg Fjord. Received Nov. 14, 1963.

293708. No. 1.	293729. No. 22.
293709. No. 2.	293730. No. 23.
293710. No. 3.	293731. No. 24.
293711. No. 4.	293732. No. 25.
293712. No. 5.	293733. No. 26.
293713. No. 6.	293734. No. 27.
293714. No. 7.	293735. No. 28.
293715. No. 8.	293736. No. 29.
293716. No. 9.	293737. No. 30.
293717. No. 10.	293738. No. 31.
293718. No. 11.	293739. No. 32.
293719. No. 12.	293740. No. 33.
293720. No. 13.	293741. No. 34.
293721. No. 14.	293742. No. 35.
293722. No. 15.	293743. No. 36.
293723. No. 16.	293744. No. 37.
293724. No. 17.	293745. No. 38.
293725. No. 18.	293746. No. 39.
293726. No. 19.	293747. No. 40.
293727. No. 20.	293748. No. 41.
293728. No. 21.	

293749. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.

From the Union of Soviet Socialist Republics. Seeds presented by the Nikitsky Botanic Garden, Yalta, Crimea. Received Nov. 14, 1963. Fruit probably late ripening (mid-September at Simferopol).

293750 and 293751. AEGLE MARMELOS (L.) Correa. Rutaceae. Bael.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Nov. 14, 1963.

From the Regional Research Station, Amaranti.

293750. 'Amaranti I'.

293751. 'Amaranti II'.

293752 to 293865.

From the Union of Soviet Socialist Republics. Seeds collected by J. L. Creech and D. H. Scott, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Nov. 15, 1963.

293752 to 293865—Continued

293752. ACER CAMPESTRE L. Aceraceae.

Col. No. 1367. Most riverside forest, Yalta. Elevation 600 meters. Tree in wild, to 12 meters high; leaves 3 to 5 lobed, turning bright yellow in fall.

293753 and 293754. ACER GINNALA var. SEMENOVII (Regel & Herd.) Pax

293753. Col. No. 1352. Above Bostandek, Uzbekistan, western Tien Shan Mountains. Elevation 900 meters. A shrubby plant, in the wild; leaves very small, 3 to 5 narrow lobes.

293754. Col. No. 1408. Along hillside, Yalta. Plant in wild, small; leaves small.

293755. ACER STEVENII Pojark.

Col. No. 1414. Big Chuchel Mountains, Yalta. Elevation 1,150 meters. Tree in wild, to 6 meters high; leaves small, 5 to 7 lobed; fruit small, wings directed forward; racemes short.

293756 and 293757. ALLIUM CEPA L. Liliaceae. Onion.

293756. Col. No. 1342. 'White Margilon'. Tashkent bazaar, Uzbek Republic. Onion sweet, white; bulb longish. Cultivated.

293757. Col. No. 1343. Tashkent bazaar, Uzbek Republic. Bulb yellow, flattish. Cultivated.

293758. AMARANTHUS sp. Amaranthaceae.

Col. No. 1355. Komson garden, Bostandek, western Tien Shan Mountains. Cultivated ornamental; heads dark maroon, with many globular projections.

293759. AMARANTHUS sp.

Col. No. 1356. Komson garden, Bostandek, western Tien Shan Mountains. Cultivated ornamental with long upright spikes.

293760. AMELANCHIER ARBOREA (Michx.f.) Fernald Malaceae.

Col. No. 1419. Woods near Strashensky Forest office, Kholorash Region, Moldavia. Small tree, in wild; head dense; fruit small, round.

293761. ARBUTUS ANDRACHNE L. Ericaceae.

Col. No. 1361. Rocky ledges, sea cliffs above Yalta. Small tree in wild; bark brilliant red.

293762. CALENDULA sp. Asteraceae.

Col. No. 1354. Bostandek garden, near Komson, western Tien Shan Mountains. Plants cultivated, dense, dwarf; flowers orange.

293763. CARPINUS BETULUS L. Betulaceae. European hornbeam.

Col. No. 1433. Strashensky Forest, Kholorash Region, Moldavia. Tree upright, in wild, to 9 meters high; leaves ovate; catkins large. Climate dry, severe.

293764. CERASTIUM BIEBERSTEINII DC. Silenaceae. Taurus cerastium.

Col. No. 1400. Plateau above Yalta. Elevation 1,150 meters. Prostrate herb in wild; leaves thick, silver gray, dense. For dry moderate climate.

293765 and 293766. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.

293765. Col. No. 1336. Tashkent, Uzbek Republic. Fruit 25 cm. diameter, round, cultivated; seeds black.

293766. Col. No. 1340. Tashkent bazaar, Uzbek Republic. Fruit 25 cm. diameter, round, cultivated; skin striped; seeds red.

293767. CLEMATIS FLAMMULA L. Ranunculaceae. Plume clematis.

Col. No. 1401. Over shrubs, along sea ledges, in wild, Yalta. Woody climber; leaves bipinnate; flowers white, fragrant.

293752 to 293865—Continued

- 293768. CLEMATIS VITALBA L.** **Travelers-joy.**
Col. No. 1366. On trees and rocks above sea cliffs, Yalta. A vigorous vine, in wild; flowers profuse in summer.
- 293769. COLUTEA CILICICA Boiss. & Bal.** **Fabaceae. Cilician bladder-senna.**
Col. No. 1364. Dry cliffs above Yalta. Deciduous shrub to 2 meters high, in wild; leaflets 11; flowers yellow.
- 293770. COLUTEA GRACILIS Freyn. & Sint.**
Col. No. 1402. Dry, seaside oak forest, Yalta. Shrub in wild, to 2 meters high; leaflets 7 to 9; flowers yellow.
- 293771 to 293776. CORNUS MAS L.** **Cornaceae. Cornelian-cherry.**
293771. Col. No. 1389. In forest along Black River, Crimea. Elevation 500 meters. Tree small, in wild; fruits long, scarlet, late ripening.
293772. Col. No. 1390. In forest along Black River, Crimea. Elevation 500 meters. Tree in wild; fruit large, sweet.
293773. Col. No. 1391. In forest along Black River, Crimea. Elevation 500 meters. Plant in wild; fruit large.
293774. Col. No. 1339. Yalta cliffs, at lowest elevation observed. Elevation 60 meters. Plant in wild.
293775. Col. No. 1427. Moist area, Kholorash Region Forest. Elevation 300 meters. Plant in wild, typical; fruit large, oblong, sweet.
293776. Col. No. 1455. Middle Moldavia.
- 293777. CORNUS SANGUINEA Linn.**
Col. No. 1430. Swampy areas, Strashensky Forest, Kholorash Region, Moldavia. Elevation 300 meters. Small shrub in wild; stems reddish; fruit purple black.
- 293778. CORONILLA FRUTICANS Ford.** **Fabaceae.**
Col. No. 1404. In wild, on slopes and sea cliffs, above Yalta. Shrub small; leaves odd pinnate; leaflets opposite, entire; flowers yellow, in summer.
- 293779. CORYLUS COLURNA L.** **Betulaceae. Tree hazelnut.**
Col. No. 1347. Dry hillside near Bostandek, western Tien Shan Mountains, Uzbek Republic. Pyramidal, ornamental, tree, in wild, to 8 meters high; form and foliage good.
- 293780. COTINUS COGGYRIA Scopoli** **Anacardiaceae. Smoke tree.**
Col. No. 1421. Dry slopes, Kholorash Region, Moldavia. Shrub in wild, bushy, to 2.5 meters high; leaves oval, turning yellow and purple in fall; fruiting panicles plumose.
- 293781. COTONEASTER RACEMIFLORA var. ROYLEANA Dippel** **Malaceae.**
Col. No. 1398. Nikita Botanic Garden, Yalta; Himalayan origin. Shrub handsome, heavy fruiting, cultivated, low, round headed; leaves suborbicular.
- 293782. COTONEASTER ROSEA Edgeworth**
Col. No. 1409. Nikita Botanic Garden, Yalta. Cultivated, deciduous, ornamental shrub to 2 meters high; head ovate; flowers pink; fruit red.
- 293783 to 293785. CRATAEGUS MICROPHYLLA K. Koch** **Malaceae.**
293783. Col. No. 1372. Dry, sunny area, mountains above Yalta. Small, compact, dense shrub in wild; fruit bright red.
293784. Col. No. 1373. Dry, open fields above Yalta. Elevation 500 meters. Small, dense shrub in wild; fruit bright red, large.

293752 to 293865—Continued

293785. Col. No. 1412. Dry, rocky slopes, Big Chuchel Mountains. Elevation 900 meters. Plant dwarf, compact, prolific fruiting, in wild.

293786. *CRATAEGUS* sp. Malaceae.

Col. No. 1374. Dry, open areas above Yalta. Shrub in wild, to 2.5 meters high.

293787. *CROCUS SPECIOSUS* Bieb. Iridaceae.

Col. No. 1360. Dry, grassy plains near Barlakosh meadow, above Yalta. Elevation 1,150 meters. Plants in wild, in flower; flowers purple. Bulbs.

293788 to 293790. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

293788. Col. No. 1337. Tashkent bazaar, Uzbek Republic. Melon cultivated, long ovate, with some netting; flesh white.

293789. Col. No. 1338. Tashkent bazaar, Uzbek Republic. Melon cultivated, oblong; flesh white.

293790. Col. No. 1339. Tashkent bazaar, Uzbek Republic. Melon cultivated; flesh reportedly red.

293791. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**

Col. No. 1341. Tashkent bazaar, Uzbek Republic. Fruit small, round, harvested in August.

293792. *DATURA* sp. Solanaceae.

Col. No. 1346. Along paths and open, arid fields, Samarkand. Low, ornamental shrub in wild; flowers bright blue.

293793. *EUONYMUS LATIFOLIUS* Mill. Celastraceae.

Broadleaf burningbush.

Col. No. 1376. Dry slopes above Yalta. Small shrub in wild; leaves and fruits large, bright colored.

293794. *EXOCHORDA TIANSHANICA* Gontsch. Rosaceae.

Col. No. 1406. Nikita Botanic Garden; from Tien Shan Mountains, Uzbekistan. Cultivated deciduous shrub; flowers white, striking in spring.

293795. *FAGUS* sp. Fagaceae.

Col. No. 1377. In open forest, on cliffs above Yalta. Tree in wild, to 30 meters high; leaves elliptic; fruit a nut.

293796. *GLEDITSIA* sp. Caesalpiniaceae.

Col. No. 1357. Street tree, Tashkent, Uzbek Republic. Tree to 9 meters high; leaflets 7 to 9; pods 30 cm. long, twisted. Drought tolerant.

293797. *HELICHRYSUM* sp. Asteraceae.

Col. No. 1345. Roadside near Samarkand, Uzbek Republic. Elevation 700 meters. A weed; flowers strawlike, yellow, in a head.

293798. *JASMINUM HUMILE* L. Oleaceae. **Italian jasmine.**

Col. No. 1362. Sea cliffs above Yalta. Evergreen shrub in wild; bracts slightly angled; flowers yellow.

293799. *JUGLANS REGIA* L. Juglandaceae. **Persian walnut.**

Col. No. 1435. Farmhouse, Strashensky Region Forest, Moldavia. Tree cultivated; fruit large; shell thin; kernels have 70 percent oil content. Usually grown from seed.

293800. *JUNIPERUS EXCELSA* Bieb. Pinaceae.

Col. No. 1365. Sea cliffs from Yalta. Plant shrubby, in wild; branches slender, spreading.

293801. *JUNIPERUS OXYCEDRUS* L. **Prickly juniper.**

Col. No. 1405. Poor, rocky, dry, barren slopes and sea cliffs above Yalta. Plant compact, shrubby, in wild; branches angular, slender.

293752 to 293865—Continued

293802. *LIGUSTRUM* sp. Oleaceae.

Col. No. 1420. Near farmhouse, Kholorash Forest Region, Moldavia. Plant cultivated, similar to *L. vulgare*, but with large, purple fruit.

293803 and 293804. *MALUS PUMILA* var. *PARADISIACA* (Medic.) Schneider Malaceae.

293803. Col. No. 1397. Dry, barren meadow, along trail, Big Chuchel Mountains, Crimea. Elevation 800 meters. Dwarfish tree, in wild.

293804. Col. No. 1383. Dry, open region, Big Chuchel Mountains, Crimea. Elevation 900 meters. Tree to 6 meters high, compact, in wild; fruit small, abundant.

293805 to 293807. *MALUS SYLVESTRIS* Mill.

293805. Col. No. 1418. Farm garden near Strashensky Forest, Kholorash Region, Moldavia. Tree cultivated; fruit small. Leaves and fruits showed no disease or insect damage. Climate dry, severe.

293806. Col. No. 1424. Dry, Yedentsi Forest, 200 km. north of Kishinev. Tree in wild; fruit small, yellow, round.

293807. Col. No. 1434. Reden Forest area, Moldavia. Tree in wild; used as rootstock for dry locations.

293808. *NELUMBO CAPSICUM* Fisch. Nymphaeaceae.

Col. No. 1407. Mouth of the Volga River. Aquatic plant, in river; flowers large, pink. Plants scarce, legally protected in U.S.S.R. Seeds must be scarified.

293809. *PINUS NIGRA* var. *PALLASIANA* (Lambert) C. Schneid. Pinaceae.

Col. No. 1410. Dry, open, sea cliffs above Yalta. Tree in wild, to 30 meters high; bark gray; head dense; branches ascending; leaves dark green, lustrous. Withstands drought.

293810. *PINUS STANKEWICZII* (Suk.) Fom.

Col. No. 1411. Nikita Botanic Garden staff, Yalta. Tree reportedly in Crimean Forests, drought tolerant.

293811 and 293812. *PRUNUS* (hybrids). Amygdalaceae. Plum.

293811. 'Renklod Kolkhoznoi'. (*P. insititia* × *P. domestica*). Seed.

293812. 'Shirpotreb Chernyi'. (*P. cerasus* var. *vulgaris* × *P. avium*). Seed.

293813. *PRUNUS AVIUM* L. Sweet cherry.

Col. No. 1436. Reden Forest, Moldavia. Forest tree to 18 meters high; trunk straight. Disease free.

293814. *PRUNUS CERASIFERA* Ehrh. Myrobalan plum.

'Alycha'. Seed.

293815 to 293820. *PRUNUS CERASUS* L. Sour cherry.

293815. 'Griot Moskovskii'.

293816. 'Liubaskaia'.

293817. 'Shubinka'.

293818. 'Sklanka Rozovaia'.

293819. 'Vladimirskaia'.

293820. 'Zhukovskaia'.

293821 to 293823. *PRUNUS DOMESTICA* L. Common plum.

293821. 'Skorospelka Krasnaia'.

293822. 'Vengerka Moskovskaia'.

293752 to 293865—Continued

293823. 'Ziuzinskaia'.
293824. PRUNUS LAUROCERASUS L. Cherry-laurel.
Col. No. 1369. Hills above Yalta. Evergreen shrub, in wild; fruit black, on racemes.
- 293825 and 293826. PRUNUS MAHALEB L. Mahaleb cherry.
293825. Col. No. 1348. Rocky hillside near Bostandek, western Tien Shan Mountains. Tree small, upright, in wild.
293826. Col. No. 1358. Rocky, barren hillside above Bostandek, western Tien Shan Mountains. Elevation 900 meters. Tree in wild, small, almost shrublike; fruits few.
- 293827 to 293829. PRUNUS SPINOSA L. Sloe plum.
293827. Col. No. 1375. Open, dry, rocky slopes, Yalta. Elevation 900 meters. Spiny shrub to 1 meter high, in wild; fruits small, blue, round. A parent of the cultivated plum.
293828. Col. No. 1379. Barlakosh meadow, above Yalta. Elevation 1,050 meters. Spiny shrub to 1.25 meters high, in wild; fruits bright purple, astringent.
293829. Col. No. 1431. Wet areas, Strashensky Forest, Moldavia. Spiny shrub to 1.8 meters high, in wild; fruits round, blue black.
- 293830 to 293832. PYRUS (hybrids). Malaceae.
293830. No. 4. 'Ussuriiskaia' \times (*P. ussuriensis* \times *P. communis*, F₂). 'Williams Letnil'. Seeds from seedling pear.
293831. No. 32. 'Bere Zimnei Michurina' \times 'Bom Luiz Avranzh,' a western Europe variety.
293832. Col. No. 1396. Barlakosh meadow, Big Chuchel Mountains, Crimea. Elevation 1,050 meters. Putative hybrid, *P. communis* \times *P. elaeagrifolia*, in wild.
- 293833 to 293842. PYRUS COMMUNIS L.
293833. No field notes. Yedentsi Forest, 200 km. north of Kishinev, Moldavia. Tree old, in wild.
293834. Col. No. 1380. Dry, barren, open meadow, Barlakosh, Crimea. Elevation 900 meters. Tree vigorous, in wild; fruits small.
293835. Col. No. 1381. Dry, open fields, Barlakosh, Crimea. Elevation 900 meters. Tree in wild, drought tolerant; fruits small.
293836. Col. No. 1382. Dry, sunny, open fields, Barlakosh, Crimea. Tree compact, in wild; foliage good.
293837. Col. No. 1392. Southeast slope, Big Chuchel Mountains. Elevation 1,150 meters. Tree small, in wild; foliage good.
293838. Col. No. 1393. Open, dry slope, Big Chuchel Mountains. Elevation 1,050 meters. Annual rainfall about 400 mm. Tree small, in wild; head round, dense.
293839. Col. No. 1415. Hillside, Strashensky Forest, Kholorash Region, Moldavia. Tree small, in wild. May be drought tolerant.
293840. Col. No. 1416. Open fields, Strashensky Forest, Kholorash Region, Moldavia. Tree in wild, restricted habit; fruit small.
293841. Col. No. 1417. Open, dry fields, Kholorash Region, Moldavia. Tree old, broad, spreading, in wild; foliage good. Climate severe.
293842. Col. No. 1423. Dry, windy site, Yedentsi Forest, Moldavia. 300 meters. Tree in wild, typical.
- 293843 to 293846. PYRUS ELAEOGRIFOLIA Pall.
293843. Col. No. 1384. Dry, open fields, Barlakosh, Crimea. Elevation

293752 to 293865—Continued

950 meters. Tree small, thorny, in wild; branches tomentose; leaves dark green; fruits flattish.

293844. Col. No. 1385. Open, dry fields, Barlakosh, Crimea. Elevation 950 meters. Handsome small tree, in wild; branches and leaves tomentose; fruit round.

293845. Col. No. 1394. Barlakosh meadow, Big Chuchel Mountains, Crimea. Elevation 1,000 meters. Small tree in wild; foliage dark green, tomentose.

293846. Col. No. 1395. Roadside, Barlakosh meadow, Big Chuchel Mountains, Crimea. Tree in wild, round headed; young branches and leaves tomentose; foliage dark green.

293847. *PYRUS* sp.

Col. No. 1350. 'Vematayor'. State farm, Bostandek, Uzbek Republic. Reportedly from China. Cultivated tree to 6 meters high; leaves broad ovate; fruit small, round, similar to *P. calleryana*. Used as rootstock in dry regions.

293848. *PYRACANTHA CRENULATA* (D. Don) Roemer Malaceae. Nepal firethorn.

Col. No. 1371. Dry hillside above Yalta. Shrub, in wild; fruit small. May be cold tolerant.

293849. *QUERCUS PUBESCENS* Willd. Fagaceae.

Col. No. 1363. Dry sea cliffs above Yalta. Tree to 12 meters high, in wild; branchlets pubescent; leaves obovate. Drought tolerant.

293850 to 293852. *QUERCUS ROBUR* L. English oak.

293850. Col. No. 1349. Barren hillsides above Bostandek, Uzbek Republic. Tree to 9 meters high, in wild. Used as fuel. Ornamental.

293851. Col. No. 1428. Common in Strashensky Forest, Kholorash Region, Moldavia. Tree to 20 meters high, in wild; trunk straight, good habit.

293852. Col. No. 1429. Kholorash Region Forest, Moldavia. Tree to 20 meters high, in wild; trunk straight; acorns small.

293853. *RIBES DIKUSCHA* Fisch. ex Turcz. Grossulariaceae.

Pavlovsk Experimental Station, Leningrad.

293854 to 293857. *RIBES* (hybrids).

(*R. nigrum* × *R. dikuscha*).

293854. 'Pamiat Michurina'.

293855. 'Pobeda'.

293856. 'Sopernik'.

293857. 'Stakhanovka Altaia'.

293858 and 293859. *ROSA CANINA* L. Rosaceae. Dog rose.

293858. Col. No. 1413. Top of Big Chuchel Mountains, Yalta. Elevation 1,300 meters. Plant upright, in wild; thorns large; hips large, red. Growth excellent under extremely dry conditions.

293859. Col. No. 1454. Dry, barren, open meadow, Barlakosh, Crimea.

293860. *SCHINUS POLYGAMUS* (Cav.) Johnston Anacardiaceae. Peppertree.

Col. No. 1403. Nikita Botanic Garden, Yalta. Plant cultivated, appears similar to *S. molle*, but reportedly hardier.

293752 to 293865—Continued**293861 and 293862.** *SORBUS AUCUPARIA* L. Malaceae.**European mountain-ash.****293861.** Col. No. 1370. Dry hillsides above Yalta. Elevation 900 meters. Small, drought tolerant tree, in wild; fruit bright orange.**293862.** Col. No. 1422. Dry ears near Yedentsi Forest area, Moldavia. Tree in wild. Reportedly especially drought tolerant.**293863.** *SYRINGA VULGARIS* L. Oleaceae.**Common lilac.**

Col. No. 1344. Mosque garden, Tashkent. Cultivated ornamental, typical habit, heavy bearing.

293864. *TILIA ARGENTEA* DC. Tiliaceae.**Linden.**

Col. No. 1432. Dry plateau, Strashensky Forest, Kholorash Region, Moldavia. Handsome, small, pyramidal tree with broad base, in wild; branches ascending; leaves suborbicular, dark green.

293865. *VIBURNUM LANATA* L. Caprifoliaceae.**Wayfaring-tree.**

Col. No. 1426. Dry, exposed hills, Yedentsi Forest, Moldavia. Elevation 350 meters. Upright shrub to 2.5 meters high, in wild; leaves ovate, pubescent above, tomentose beneath; fruit black.

293866 and 293867. *ORYZA SATIVA* L. Poaceae.**Rice.**

From Surinam. Seeds presented by the Surinam Machinale Landbouwin, Nieuw Nickerie. Received Nov. 20, 1963.

293866. SML 352.**293867.** SML 359.**293868 to 293870.**

From Costa Rica. Cuttings and seeds presented by the Ministerio de Agricultura y Ganaderia, San Jose. Received Nov. 18, 1963.

293868. *TRIPSACUM LATIFOLIUM* Hitchc. Poaceae.**Gamagrass.****293869.** *TRIPSACUM LAXUM* Nash**Guatemala gamagrass.****293870.** *TRIPSACUM LATIFOLIUM* Hitchc.**Gamagrass.****293871 to 293876.** *FRAGARIA* (hybrids). Rosaceae.

From Poland. Plants presented by the Research Institute of Pomology, Skierniewice. Received Nov. 18, 1963.

293871. 'Chinska'.**293874.** 'Purpuratka'.**293872.** 'Marszalskaja'.**293875.** 'Ruskaja'.**293873.** 'Nowinka Bialoruska'.**293876.** 'Sophia'.**293877 to 293898.**

From the Union of Soviet Socialist Republics. Cuttings collected by J. L. Creech and D. H. Scott, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Nov. 19, 1963.

293877. *BUXUS SEMPERVIRENS* L. Buxaceae.**Common box.**

Col. No. 1388. Nikita Botanic Garden, Yalta; from Caucasus Mountains. Dense evergreen shrub, in wild, and cultivated, to 10 meters high. Reportedly especially hardy.

293878. *CANNA* (hybrid). Cannaceae.

Col. No. 1368. 'Moonlight'. Nikita Botanic Garden, Yalta. A cultivated, pale yellow-flowered, hybrid. Considered best of its color.

293879 to 293882. From the Zonal Scientific Research Institute for Horticulture in non-Chernozem areas, Moscow.**293879 and 293880.** *FRAGARIA* (hybrids). Rosaceae.

293877 to 293898—Continued

293879. Col. No. 1441. 'Krasavitza Zagoria'.
293880. Col. No. 1442. 'Komsomalka'.
- 293881 and 293882. *FRAGARIA VESCA* L. European strawberry.
293881. Col. No. 1439. In wild, dry, open places, Yedentsi Reden Forest. Possible virus indicator.
293882. Col. No. 1440. In wild, along meadow stream 300 meters above Yalta. Possible virus indicator.
293883. *HEDERA HELIX* var. *TAURICA* (Tobl.) Rehder Araliaceae. Ivy.
Col. No. 1387. In wild, damp, woody hills above Yalta. Elevation 600 meters. Evergreen vine; leaves narrow, middle lobe elongate on large plants.
- 293884 to 293889. *MALUS SYLVESTRIS* Mill. Malaceae.
From the Zonal Scientific Research Institute for Horticulture in non-Chernozem areas, Moscow.
293884. Col. No. 1443. 'Druzhba'.
293885. Col. No. 1444. 'Iunost'.
293886. Col. No. 1445. 'Smordodina'.
293887. Col. No. 1446. 'Brusnichnoe'.
293888. Col. No. 1447. 'Rozovoe'.
293889. Col. No. 1448. 'Krapchatoe'.
293890. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.
Col. No. 1437. In wild, on hill in open meadow, Reden Forest region, Moldavia. Elevation 300 meters. Tree to 6 meters high.
293891. *PRUNUS MAHALEB* L. Mahaleb cherry.
Col. No. 1438. In wild, on dry hilltop, Reden Forest region, Moldavia. A small, fruitless, upright tree from a barren region.
- 293892 to 293896. From the Zonal Scientific Research Institute for Horticulture in non-Chernozem areas, Moscow.
- 293892 to 293895. *RIBES* (hybrids). Grossulariaceae.
(*R. nigrum* × *R. dikuscha*).
293892. Col. No. 1449. 'Pobeda'.
293893. Col. No. 1450. 'Stakhanovka Altaia'.
293894. Col. No. 1451. 'Pamiat Michurina'.
293895. Col. No. 1452. 'Golubka'.
293896. *RIBES UVA-CRISPA* L. European gooseberry.
'Smena'.
293897. *TAXUS BACCATA* L. Taxaceae. English yew.
Col. No. 1386. In wild, on moist humus, rocky forest slope, above Yalta. Pistillate, round headed, evergreen tree to 6 meters high.
293898. *VITIS VINIFERA* L. Vitaceae. European grape.
Col. No. 1359. In wild above Bostandek, western Tien Shan Mountains. Plant in wild; leaves bright red, possibly from a virus disease.
- 293899 and 293900. *SACCHARUM* (hybrids). Poaceae. Sugarcane.
From the British West Indies. Cuttings presented by the British West Indies Central Sugar Cane Breeding Station, Barbados. Received Nov. 21, 1963.

293899 and 293900—Continued

293899. B 4681.

293900. B 52158.

293901. POPULUS TREMULOIDES Michx. Salicaceae.**Quaking aspen.**

From the Union of Soviet Socialist Republics. Cuttings presented by the Komarov Botanic Garden, Leningrad. Received Nov. 21, 1963.

Tree unusually fastigiate; a new form.

293902 to 293907. FRAGARIA (hybrids). Rosaceae.

From Germany. Plants presented by the Zuchtgarten Wulfsdorf der Sen-gana, Hamburg-Volksdorf. Received Nov. 22, 1963.

293902. No. 664/15.

293905. No. 9037/7.

293903. No. 664/36.

293906. No. 1666.

293904. No. 665/70.

293907. 'Lihama'.

293908. VICIA SATIVA L. Fabaceae.**Common vetch.**

From France. Seeds presented by the Station Centrale de Genetique et d'Amelioration des Plantes, Versailles. Received Nov. 27, 1963.

'Mysto'.

293909 to 293914. NICOTIANA TABACUM L. Solanaceae.

From Bulgaria. Seeds presented by the Ministry of Agriculture, Salisbury, Rhodesia and Nyasaland. Received Nov. 27, 1963.

293909. 'Alma-Ata 315'.

293912. 'Dubec 566'.

293910. 'American 287'.

293913. 'Immunyi'.

293911. 'Dubec 7'.

293914. 'Trapezund 161'.

293915. CUPHEA sp. Lythraceae.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Beltsville, Md. Received Nov. 27, 1963.

Col. No. 20478. Along toll road near Ciudad Puebla, Puebla. Erect, annual herb, in wild, to 60 cm. high; stems branching; flowers pink.

293916. PYRUS sp. Malaceae.

From China. Seeds presented by the Oregon State University, Corvallis. Received Nov. 27, 1963.

Collected on Taiwan where it is a common pear rootstock.

293917. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Cuba. Seeds presented by an anonymous Texas grain dealer. Received Nov. 27, 1963.

Mostly spring habit. Originated in U.S.S.R. about 1960.

293918. TRITICUM DURUM Desf. Poaceae.**Durum wheat.**

From the Union of Soviet Socialist Republics. Seeds presented by an anonymous Texas farmer. Received Nov. 27, 1963.

'Michurinka'. A winter wheat. Reportedly from the All-Union Selection and Genetics Institute, Odessa.

293919. PRUNUS FRUTICOSA Pall. Amygdalaceae.**European dwarf cherry.**

From Czechoslovakia. Seeds presented by the Rektorat Vysoke Skoly Zeme-dske, Praha. Received Dec. 2, 1963.

Plants to 40 cm. high on calcareous rock.

293920 to 293923.

From the United States. Seeds presented by J. A. Martin, Clemson College, Clemson, South Carolina. Numbered Nov. 27, 1963.

293920 to 293922. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

293920. 'Honey Melon'. Israel origin.

293921. 'Red Honey Melon'. Israel origin.

293922. 'Kavum Melon'. Turkish origin.

293923. CUCUMIS SATIVUS L. **Cucumber.**

Israel origin.

293924 to 294070.

From Mexico. Cuttings collected by Llewelyn Williams, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected from Dec. 15, 1962, to Feb. 3, 1963.

Numbered Nov. 29, 1963.

293924. VANILLA PLANIFOLIA Andrews Orchidaceae. **Mexican vanilla.**

Col. No. 19000. Clones A, B, C, D, G, K, L and N. Semicultivated epiphytes on well-drained slope in secondary growth, Escolin, Papantla, Veracruz. Elevation 620 feet.

293925. VANILLA POMPONA Schiede

Col. No. 19001. Semicultivated epiphyte on low trees and shrubs of secondary growth, Escolin, Papantla, Veracruz. Soil alkaline. Elevation 600 feet.

293926. VANILLA sp.

Col. No. 19002. Local name: Vainilla Mestiza. Clones C, D, and 19002. Semicultivated epiphyte on low trees and shrubs in shaded secondary growth, Escolin, Papantla, Veracruz. Soil alkaline. Elevation 420 feet.

293927. VANILLA PLANIFOLIA Andrews **Mexican vanilla.**

Col. No. 19003. Clones B, C, D, F, G, H, I, J, K, M, N, O and P. Semicultivated epiphyte on low trees and shrubs of secondary growth, Escolin, Papantla, Veracruz. Soil alkaline. Elevation 420 feet.

293928. VANILLA sp.

Col. No. 19004. Local name: Vainilla Mestiza. Semicultivated epiphyte on low trees and shrubs of secondary growth, Escolin, Papantla, Veracruz. Elevation 450 feet.

293929 to 293939. VANILLA PLANIFOLIA Andrews **Mexican vanilla.**

293929. Col. No. 19005. Clones C, D and E. Cultivated epiphyte growing on *Gliricidia sepium* at the Ranch Santa Genoveva, Martinez de la Torre, Veracruz. Elevation 10 feet.

293930. Col. No. 19007. Clones A and D. Cultivated epiphyte, grown on *Gliricidia sepium* at the Ranch la Noria, Martinez de la Torre, Veracruz. Elevation 10 feet.

293931. Col. No. 19008. Clones A, B, C, D, E, F, G, H, I, J, K and L. Cultivated and semicultivated epiphytes, growing on *Muntingia calabura*, *Psidium guajava*, *Litsea glaucescens* and *Vernonia* sp., at Palo Gacho, San Jose de Aceteno, Puebla. Elevation 250 feet.

293932. Col. No. 19009. Clones A, B, C, D, E, F, G, H, I, J, K, L and M. Semicultivated epiphytes, in secondary growth of *Tabernaemontana* sp. and *Litsea glaucescens*, on well shaded eastern slope, Ranch El Molino, Canada Rica, Veracruz.

293933. Col. No. 19010. Clones A, B, C, E, F, G, I, J and L. Semicultivated epiphytes, in secondary growth of *Muntingia calabura*, on well-drained slope, Escolin, Papantla, Veracruz. Elevation 420 feet.

293924 to 294070—Continued

293934. Col. No. 19010—T. Tops of clones A, B, D and H.
293935. Col. No. 19010—B. Bottoms of clones A, H, I, J, and K.
293936. Col. No. 19011. Clones A, B, C, D, E, F, G, H, I, J, L, M, N, O, Q, R, U, W, X, Y and Z. Cultivated epiphyte in secondary growth, primarily *Litsea glaucescens*, on well-drained slope, Escolin, Papantla, Veracruz. Elevation 425 feet.
293937. Col. No. 19011—T. Tops of clones A, E, G, K, L, Q and R.
293938. Col. No. 19011—B. Bottoms of clones F, N, O and Z.
293939. Col. No. 19012. Clones A, B, C, D, E, F, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, BB, CC and DD. Semicultivated epiphytes in secondary growth, primarily *Tabernaemontana amygdaliifolia*, on a well-drained slope, Escolin, Papantla, Veracruz. Elevation 420 feet.
- 293940 and 293941. VANILLA POMPONA Schiede
293940. Col. No. 19013. Epiphyte in wild, climbing along trunk of tree (*Brosimum alicastrum*), on a steep slope, in a virgin forest, in moderate shade, Navarrete, Nayarit. Elevation 30 feet.
293941. Col. No. 19014. Semicultivated epiphyte, Ranch la Yerba, Nayarit. Elevation 2,650 feet.
- 293942 to 293961. VANILLA PLANIFOLIA Andrews Mexican vanilla.
293942. Col. No. 19015. Clones D, F, G, H, I, J, M, N, O, P, Q, T, U, V, W, Y and Z. Semicultivated epiphytes in secondary growth of *Muntingia calabura*, Escolin, Papantla, Veracruz. Elevation 420 feet.
293943. Col. No. 19015—2. Clones B, D, E, G, H, J, K, M, Q, Y, and Z.
293944. Col. No. 19015—3. Clones E, F, G, H, O, S and Y.
293945. Col. No. 19015—4. Clones A, B, D, E, F, G, H, I, J, L, M, N, Q, R, S, T, U, V, W and Z.
293946. Col. No. 19015—5. Clone P. Soil alkaline.
293947. Col. No. 19015—6. Clones A, C, D, F, I, J, L, M, N, Q, T and Z.
293948. Col. No. 19015—7. Clones A, E, F, G, H, I, J, K, M, and W. Soil alkaline.
293949. Col. No. 19015—8. Clones A, B, F, G, H, I, J, K, L, N, O, Q, R, S, T, V, X and Z. Soil alkaline.
293950. Col. No. 19015—9. Clones A, D and G. Soil alkaline.
293951. Col. No. 19016—1. Semicultivated epiphytes in secondary growth of *Stemmadenia mollis*, Escolin, Papantla, Veracruz. Elevation 425 feet. Clones C, D, E, I, K, L, N, Q, R, S, T, V, W, X and Z.
293952. Col. No. 19016—2. Clones B, D, E, F, G, H, I, J, L, M, N, O, Q, T, U, W, X, Y and Z. Soil alkaline.
293953. Col. No. 19016—3. Clones C, D, E and F.
293954. Col. No. 19016—4. Clones A, C, F, G, H, K, N, Q, R, S, T, W, X and Z.
293955. Col. No. 19016—5. Clones A, B, C, E, H, J, O, P, Q, X, Y and Z. Soil alkaline.
293956. Col. No. 19016—6. Clones C, D, E, F, G, H, I, J, L, M, O, Q, R, T, U and Z. Soil alkaline.
293957. Col. No. 19016—7. Clones A, B, D, F, H, I, J, L, M, N, O, P, S, U, X and Z.
293958. Col. No. 19016—8. Clones B, C, G, K, L, O, R, T and Z.
293959. Col. No. 19016—9. Clones A, B, D, G, H, I, J, K, M, O, R, V, W, X and Z.

293924 to 294070—Continued

293960. Col. No. 19016-10. Clones B, C, P, R, W and Z.

293961. Col. No. 19016-11. Clones B, C, D, H, I, L, M and N. Soil alkaline.

293962. VANILLA POMPONA Schiede

Col. No. 19017. Semicultivated epiphytes on secondary growth of shrubs and low trees of *Tabernaemontana amygdalifolia*. Clones A, B, C, D and E. Elevation 450 feet.

293963 to 294069. VANILLA PLANIFOLIA Andrews

Mexican vanilla.

293963. Col. No. 19019-1. Semicultivated epiphytes on secondary growth of shrubs and low trees, primarily *Litsea glaucescens*, Escolin, Papantla, Veracruz. Elevation 420 feet. Clones A, E, G, H, I, L, O, P, S, T, U, V, W, X, Y and Z.

293964. Col. No. 19019-2. Clones A, C, D, E, F, G, I, J, N, O, P, Q, R, S, T, U, V, W, Y and Z. Soil alkaline.

293965. Col. No. 19019-3. Clones C, G, I, J, M, O, R, T, W and Z.

293966. Col. No. 19019-4. Clones B, D, E, N and T.

293967. Col. No. 19019-5. Clones A, B, K, L, M, N, R, X and Z.

293968. Col. No. 19019-6. Clones C, D, I, K, Q, T and Y.

293969. Col. No. 19019-7. Clones D, G, I, J, K, L, M, Q, S, T, U, V, X and Z. Soil alkaline.

293970. Col. No. 19019-8. Clones A, C, E, F, G, H, I, J, N, O, P, R, T, W, X and Y.

293971. Col. No. 19019-9. Clones A, D, E, F, G, H, I, J, K, M, N, O, P, Q, R, U, V, W, X and Z. Soil alkaline.

293972. Col. No. 19019-10. Clones A, C, G, I, J, K, M, N, O, P, Q, R, S, T, U, V, W and X. Soil alkaline.

293973. Col. No. 19019-11. Clones A, C, E, F, H, I, J, L, N, O, P, Q, T, X and Y.

293974. Col. No. 19019-12. Clones A, C, E, F, G, H, I, J, K, L, M, O, P, Q, R, S, T, U, V, X and Z. Soil alkaline.

293975. Col. No. 19019-13. Clones A, C, H, J, L, N, O, Q, R, S, U, X, Y and Z. Soil alkaline.

293976. Col. No. 19019-14. Clones B, C, D, E, G, L, Q, R, T, U and V. Soil alkaline.

293977. Col. No. 19019-15. Clones A, B, D, E, F, G, I, J, M, N, Q, R, S, T, U, W and X. Soil alkaline.

293978. Col. No. 19019-16. Clones E, G, H, I, K, L, N, S, T, V, X and Z. Soil alkaline.

293979. Col. No. 19019-17. Clones A, E, F, G, J, K, L, M, O, P, R, T, U, W, X and Z. Soil alkaline.

293980. Col. No. 19019-18. Clones A, B, C, D, E, G, H, I, L, M, Q, R, S, T, W, Y and Z. Soil alkaline.

293981. Col. No. 19019-19. Clones A, B, F, G, J, M, Q, R, U, V, X and Z. Soil alkaline.

293982. Col. No. 19019-20. Clones A, B, D, E, F, G, H, I, K, O, P, Q, R, S, T and Z. Soil alkaline.

293983. Col. No. 19019-21. Clones B, C, E, F, G, and H. Soil alkaline.

293984. Col. No. 19020. Espinal, Veracruz. Elevation 420 feet. Clones A and B.

293985. Col. No. 19021. Espinal, Veracruz. Elevation 420 feet. Clones C, D, E and G. Soil alkaline.

293924 to 294070—Continued

293986. Col. No. 19022. Ejido de Manzanares, Tezonapa, Veracruz. Elevation 500 feet. Plant in wild, on *Castilla elastica*, *Iabernaemontana* sp. and *Annona* sp.
293987. Col. No. 19023-1. Semicultivated epiphytes growing on *Theobroma cacao*, *Erythrina glauca* and *Gliricidia sepium* as shade trees. Elevation 100 feet. Clones A, C, D, E, G, H, I, J, L, M, N, P, Q, R, S, W and Y.
293988. Col. No. 19023-2. Clones B, C, G, H, I, J, L, M, N, O, P, S, X, Y, and Z.
293989. Col. No. 19023-3. Clones G, H, I, K, M and S.
293990. Col. No. 19024. Finca Las Arenas, Chiapas. Elevation 500 feet. Plants semicultivated, weak, because of exposure and sandy soil. Clones A, B, C, D, E, F, G, H, K, L and N.
293991. Col. No. 19025-1. Epiphytes on *Erythrina* sp., Tuxtla Chica, Cacahuatan, Chiapas. Elevation 1,200 feet. Clones A, D, E, G, H, I, J, K, M, N, R, S, V, Y and Z.
293992. Col. No. 19025-2. Clones D, F, H, I, J, K, L, M, N, O, P, R, S, T, U, V, W, X, Y and Z.
293993. Col. No. 19025-3. Clones C, D, E, F, I, M, N, P, R, S and V.
293994. Col. No. 19026. Semicultivated epiphytes growing on *Guazuma ulmifolia* in Tuxtla Chica, Cacahuatan, Chiapas. Elevation 1,200 feet. Clones A, B, C, and D.
293995. Col. No. 19027. Semicultivated epiphytes growing on *Myrospermum frutescens*, Tuxtla-Chica, Cacahuatan, Chiapas. Elevation 1,000 feet. Clones A, B, D, E and F.
293996. Col. No. 19028. Semicultivated epiphytes growing on *Theobroma cacao* and *Gliricidia sepium*, Finca La Rioja, Tapachula, Chiapas. Elevation 1,200 feet. Clones A, B, C, D, E, F, G, H and I.
293997. Col. No. 19029. Cultivated epiphyte growing on *Inga* sp., Finca La Rioja, Tapachula, Chiapas. Elevation 1,200 feet. Clone A.
293998. Col. No. 19030-1. Semicultivated epiphytes, Tuxtla-Chica, Cacahuatan, Chiapas. Elevation 900 feet. Clones B, C, D, E, F, G, H, K, M, N, O, P, Q, R, T, X and Y.
293999. Col. No. 19030-2. Clone A.
294000. Col. No. 19031-1. Epiphytes in wild, growing on *Cedrela odorata*, *Tabebuia chrysantha* and *Swietenia* sp., Rancho de los Cocos, Chiapas. Elevation 600 feet. Clones B, E, G, H, I, J, L, O, T, V and Z.
294001. Col. No. 19031-2. Clones A, B, D, G, H, J and M.
294002. Col. No. 19032-1. Semicultivated epiphytes in secondary growth, on *Litsea glaucescens*, Escolin, Papantla, Veracruz. Elevation 420 feet. Clones A, D, E, G, I, J, K, N, O, Q, T, W, X and Z.
294003. Col. No. 19032-2. Clones A, B, C, D, E, F, H, J, L, O, P, Q, S, T, U, V, W, X, Y and Z.
294004. Col. No. 19032-3. Clones A, B, C, D, F, G, J, K, L, M, O, P, R, S, T, U and Z.
294005. Col. No. 19032-4. Clones D, F, G, H, K, L, M, O, P, Q, S, T, X and Z.
294006. Col. No. 19032-5. Clones A, B, C, G, H, M, N, Q, R, S, T, U, W, X, Y and Z.
294007. Col. No. 19032-6. Clones A, B, D, F, G, H, I, J, K, M, O, P, R, S, T, U, V, W, Y and Z.
294008. Col. No. 19032-7. Clones A, B, C, D, E, F, G, I, J, K, L, M, N, O, R, S, T, U, V, W, X, Y and Z.

293924 to 294070—Continued

294009. Col. No. 19032-8. Clones D, E, F, G, H, I, J, K, M, P, R, S, T, V, W, X and Y.
294010. Col. No. 19032-9. Clones A, B, C, E, F, I, J, K, L, M, O, Q, R, S, T, V, W, Y and Z.
294011. Col. No. 19032-10. Clones B, C, E, G, I, J, K, L, M, N and O.
294012. Col. No. 19033-1. Semicultivated epiphytes, on shrubs and low trees, in secondary growth, primarily *Stemmadenia* sp., Escolin, Veracruz. Elevation 450 feet. Clones B, D, E, G, H, I, K, L, M, N, Q, R, S, T, U, V, W, X, Y and Z.
294013. Col. No. 19033-2. Clones B, C, D, E, F, G, H, K, L, M, P, S, T, U, V, X, Y and Z.
294014. Col. No. 19033-3. Clones A, D, F, G, J, M, N, Q, R, S, T, U, V, X and Y.
294015. Col. No. 19033-4. Clones A, B, D, F, I, J, K, L, M, Q, R, T, V, W, X and Z.
294016. Col. No. 19033-5. Clones B, E, G, H, L, M, S, T, U, V and Y.
294017. Col. No. 19033-6. Clones A, C, E, F, H, I, K, M, N, O and Q.
294018. Col. No. 19033-8. Clone O.
294019. Col. No. 19034-1. Semicultivated epiphytes, on shrubs and small trees, in secondary growth, primarily *Muntingia calabura*, Escolin, Papantla, Veracruz. Elevation 450 feet. Clones A, C, D, E, F, G, I, J, K, L, M, N, Q, R, T, V, W, X, Y and Z.
294020. Col. No. 19034-2. Clones A, B, C, D, E, G, I, J, K, N, O, P, Q, R, T, U, V, W, X and Y. Soil alkaline.
294021. Col. No. 19034-3. Clones D, E, G, I, J, K, N, O, R, S and U.
294022. Col. No. 19034-4. Clones A, B, C, E, F, J, K, L, M, N, O, P, S, X and Z.
294023. Col. No. 19034-5. Clone D.
294024. Col. No. 19035-1. Semicultivated epiphytes, in secondary growth, among shrubs and low trees, Escolin, Papantla, Veracruz. Elevation 400 feet. Clones C, D, I, J, K, L, N, P, R, S, T, U, V, W, X, Y and Z.
294025. Col. No. 19035-2. Clones A, B, C, D, E, F, H, I, J, M, N, O, P, R, U, V, W, X, Y and Z.
294026. Col. No. 19035-3. Clones A, B, C, D, J, K, L, M, O, P, R, S, T, U, V, W, Y and Z.
294027. Col. No. 19035-4. Clones C, D, E, G, I, J, L, M, N, O, P, Q, R, S, T, U, V and W.
294028. Col. No. 19036-1. Semicultivated epiphytes on secondary growth, Escolin, Papantla, Veracruz. Elevation 450 feet. Clones A, F, H, I, K, L, M, N, O, P, R, S, U, W, X, Y and Z.
294029. Col. No. 19036-2. Clones A, B, C, E, F, G, H, I, J, K, M, N, O, P, R, T, W and Y.
294030. Col. No. 19036-3. Flower March and April; fruiting July to November. Clones A, B, C, E, F, H, I, J, M, O, P, R, V, Y and Z.
294031. Col. No. 19036-4. Flower March and April. Clones A, B, C, D, F, H, J, L, M, N, P, Q, T, U, V, W and Y.
294032. Col. No. 19036-5. Clones B, C, D, F, K, M, N, P, S, T, V, W and Y.
294033. Col. No. 19036-6. Flowers March and April; fruiting July to December. Clones A, D, F, I, J, K, L, M, N, R, S, T, U, X and Y.

293924 to 294070—Continued

294034. Col. No. 19036-7. In dense shade. Clones A, B, C, D, E, G, H, I, J, K, M, N, O, P, R, T, U, Y and Z.
294035. Col. No. 19036-8. Stems slender; stolons long; thrives in dense shade in humus. Clones A, B, H, K, M, P, Q, R, T, U, V, W, X and Z.
294036. Col. No. 19036-9. Flowers March and April; fruiting July to November. Soil alkaline. Clones A, B, C, D, E, F, G, H, I, J, K, L, P, R, S, T, V, W and Z.
294037. Col. No. 19036-10. Fruit matures November-December, occasionally up to 10 inches long. Soil alkaline. Clones A, B, C, F, G, J, L, M, N, P, R, S, T, V, W, Y and Z.
294038. Col. No. 19036-11. Flowers March-April. Soil alkaline. Clones A, B, C, E, G, O, P, Q, R, S, T, U, V, W, X and Z.
294039. Col. No. 19036-12. Clones A, B, E, H, L, N, O, P, Q, S, T, U, W, X, Y and Z.
294040. Col. No. 19036-13. Clones A, C, D, F, G, H, I, L, M, Q, R, W, X, Y and Z.
294041. Col. No. 19036-14. Plants healthy; soil alkaline. Clones E, F, G, H, I, P, Q, T, U, V, X, Y and Z.
294042. Col. No. 19036-15. Clones A, B, C, D, F, G, H, I, J, K, L, M, N, O, P, R, S, T, U, V, X and Y. Soil alkaline.
294043. Col. No. 19036-16. Clones A, D, E, G, I, K, L, M, N, O, R, S, V, W and X.
294044. Col. No. 19036-17. Growing on *Litsea* sp. and *Tabernaemontana* sp. Clones D, F, G, H, I, J, K, L, N, O, P, R, S, T and Z.
294045. Col. No. 19036-18. Clones A, B, D, E, F, G, H, J, K, L, N, O, P, Q, R, T, U, W, Y and Z.
294046. Col. No. 19036-19. Fruit matures October to early December. Clones A, C, D, E, F, G, H, I, J, K, L, M, N, O, P, S, T, V, W and Y.
294047. Col. No. 19036-20. Clones B, D, E, F, H, I, J, K, L, O, Q, S, and U.
294048. Col. No. 19036-21. Secondary growth to 100 feet high; shade dense. Clones A, B, E, K, M, N, O, Q, R, S, T, V, W, X, Y and Z.
294049. Col. No. 19036-22. Grew best in dense shade on well-drained slope. Clones C, E, F, G, I, J, L, M, N, O, P, Q, R, T, U, X and Y.
294050. Col. No. 19036-23. Clones A, B, F, H, I, J, K, L, N, O, P, Q, S, T, U, V, X, Y and Z.
294051. Col. No. 19036-24. Clones A, B, C, D, E, G, H, I, J, K, L, M, O, P, R, S, U, V, W, Y and Z.
294052. Col. No. 19036-25. Clones A, B, D, H, I, K, L, N, P, Q, R, X and Y.
294053. Col. No. 19036-26. Clones A, B, C, D, E, F, G, H, I, J, K, L, M, O, P, U, V, W, X, Y and Z.
294054. Col. No. 19036-27. Stems slender, dark green, up to 12 feet long when four years old; flowers March-April; fruit matures November-December. Clones A, E, F, G, H, I, J, K, L, M, Q, R, S, T, U, V, X, Y and Z.
294055. Col. No. 19036-28. Fruit from six to 10 inches long, begins maturing in November. Clones E, F, G, H, I, K, M, N, Q, R, S, T, V, W, X, Y and Z.
294056. Col. No. 19036-29. Roots long, slender, shallow; stems dark green, slender; fruit matures November-December. Clones C, D, E, F, G, H, I, J, K, L, N, O, P, Q, R, T, W, X, Y and Z.

293924 to 294070—Continued

294057. Col. No. 19036-30. Clones A, B, C, F, G, H, I, J, K, M, N, O, R, S, T, U, Y and Z.
294058. Col. No. 19036-31. Planted over 10 years ago. Flourishes in 50 percent shade with low canopy. Fruit matures November-December. Clones B, C, D, E, F, G, J, K, L, M, N, O, P, Q and S.
294059. Col. No. 19037-1. Semicultivated epiphytes on secondary growth, Escolin, Papantla, Veracruz. Elevation 500 feet. Clones A, B, C, E, F, G, H, I, L, M, N, O, P, Q, S, T, U, V, W and X.
294060. Col. No. 19037-2. Flowers March-April; fruit matures October to December. Clones A, B, C, D, E, F, G, H, J, L, M, N, O, P, R, S, T, U, V, W, X, Y and Z.
294061. Col. No. 19037-3. Flowers March-April; fruit matures October to December. Clones A, B, C, D, E, F, G, H, I, J, K, L, O, P, Q, R, U, V, W, X, Y and Z.
294062. Col. No. 19037-4. Fruit matures October-November. Clones A, B, C, D, E, F, H, I, J, K, M, N, P, Q, S, T, U, W, X, Y and Z.
294063. Col. No. 19037-5. Plants flourish in 50 percent shade. Clones A, B, C, D, E, G, I, J, K, M, N, O, P, Q, R, S, T, U, V, W, X, Y and Z.
294064. Col. No. 19037-6. Clones B, C, D, E, F, G, H, I, J, K, L, N, P, Q, R, S, T, U, V, W, X, Y and Z.
294065. Col. No. 19037-7. Clones A, B, C, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y and Z.
294066. Col. No. 19037-8. Flowers March-April; fruit matures September to December. Clones B, C, D, E, F, G, I, J, K, M, N, O, P, R, S, T, W, X, Y and Z.
294067. Col. No. 19037-9. Clones A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, R, S, U, V, W, X, Y and Z.
294068. Col. No. 19037-10. Clones A, B, C, D, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X and Z.
294069. Col. No. 19037-11. Clones A, B, C, E, F, G, H, I, K, L, N, O, P, Q, S, T, U and V.

294070. VANILLA POMPONA Schiede

Col. No. 19038. Semicultivated epiphyte on shrubs and low trees of secondary growth, Escolin, Papantla, Veracruz.

294071. CASSIA ALATA L. Caesalpiniaceae. Ringworm cassia.

From the Virgin Islands of the U.S. Seeds presented by the Virgin Islands Agricultural Program, Agricultural Research Service, Kingshill, St. Croix. Received Dec. 5, 1963.

Seeds collected from Water Isle, St. Thomas.

294072 to 294078. CITRUS SINENSIS (L.) Osbeck. Rutaceae. Sweet orange.

From Brazil. Seeds presented by the Instituto Agronomico de Estado de Sao Paulo, Campinas. Received Dec. 2, 1963.

294072. 'Barao Folha Fina'.

294076. 'Lanceta'.

294073. 'Cipo'.

294077. 'Sanguinea de Mombuca'.

294074. 'Coroa do Rei'.

294078. 'Seleta de Itaborai'.

294075. 'Jaboticaba'.

294079 to 294090. DAUCUS CAROTA var. SATIVA DC. Apiaceae.

From Japan. Seeds presented by the Horticultural Research Station, Hiratsuka, Kanagawa. Received Dec. 3, 1963.

294079 to 294090—Continued

Sanzun=Three sun. Gosun=Five sun. One sun=Three cm. Ninjin=Carrot.

294079. 'Heian-sanzun-ninjin'.

294080. 'Kinko-sanzun-ninjin'.

294081. 'Kurenai-sanzun-ninjin'. Kurenai=Pure red.

294082. 'M.S.-sanzun-ninjin'.

294083. 'Senko-sanzun-ninjin'. Senko=Brilliant red.

294084. 'Kokubu-senko-onaga-ninjin'. Senko=Brilliant red. Onaga=Very long.

294085. 'Kintoki-ninjin'.

294086. 'Aichi-gosun-ninjin'.

294087. 'Senko-gosun-ninjin'.

294088. 'Tokinashi-gosun-ninjin'. Progeny of 'Red-core Chantenay'. Tokinashi=Nonrestricted growing season.

294089. 'Tokyo-gosun-ninjin'.

294090. 'Sapporo-futo-ninjin'. Roots thick.

294091 to 294093.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 3, 1963.

294091. CRATAEGUS cf. MEXICANA Moc. & Sesse Malaceae.

Col. No. 20398. Eighteen miles northeast of Tehuacan, Puebla. Spiny shrubs or small spreading trees, some heavy bearing; fruits variable.

294092. IPOMOEA ARBORESCENS (Willd.) Don Convolvulaceae.

Tree morning-glory.

Col. No. 20484. San Bernardo, Sonora. Ornamental deciduous tree in wild; bark smooth, white; flowers white, in winter.

294093. LEUCAENA ESCULENTA (Moc. & Sesse) Benth. Mimosaceae.

Leadtree.

Col. No. 20460. Sierra San Manuel, San Luis Potosi. Elevation 5,600 feet. Tree slender, erect, to 25 feet.

294094 to 294102.

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Dec. 4, 1963.

294094. CORNUS MAS L. Cornaceae.

Cornelian cherry.

G-3550. From the Dept. of Seed Investigations, Agricultural Experiment Station, Geneva; originally from Italy. Cultivated tree to 20 feet high, leafy; bark reddish brown; leaves ovate, entire, to 4.5 inches long, grooved along veins; flowers yellow.

294095. CORNUS PAUCINERVIS Hance

Littleleaf dogwood.

G-8548. From Highland Park, Rochester, ex China. Cultivated semi-evergreen shrub to 9 feet high, much branched at base, hardy at Geneva; leaves elongate, pointed, entire, smooth; flowers small, white yellow, in umbels.

294096. CYDONIA sp. Malaceae.

G-11554. From Japan. Cultivated, vigorous, fast growing tree, winter hardy at Geneva; bark brown; branches procumbent; leaves semiglossy, serrate.

294097. ELAEAGNUS COMMUTATA Bernh. Elaeagnaceae.

Silverberry.

G-3547. Collected in Montana. Vigorous, cultivated, uniform, much

294094 to 294102—Continued

branched, spreading shrub; bark gray brown; leaves undulate, entire, silvery on both surfaces, to 3 inches long.

294098. *ELAEAGNUS UMBELLATA* Thunb. Autumn elaeagnus.

G-3192. From Soil Conservation Service, Beltsville, Md. Cultivated, vigorous, moderately erect, much branched shrub; bark dark gray; branches alternate; leaves tomentose, undulate, silvery beneath.

294099. *MENTHA* (hybrid). Menthaceae.

G-11215. *M. rotundifolia* × *M. spicata*. Carried as *M. × cordifolia* at Geneva. Originally from Guatemala via Longwood Gardens. Plant 36 by 75 inches, vigorous, erect, much branched, leafy; leaves aromatic when crushed; flowers lavender, small, numerous, on spike to 3 inches long, in July.

294100. *STACHYS GRANDIFLORA* (Steph.) Benth. Menthaceae.

G-11213. Plant cultivated, vigorous, erect, 26 by 22 inches, many stemmed, tuberless; leaves narrow, cupped at midvein, purple at maturity; flowers small, pink purple, on a spike.

294101. *STACHYS OFFICINALIS* Trevis

G-11214. From Longwood Gardens. Plant uniform, erect, vigorous, 22 by 25 inches, much branched, tuberless; flowers numerous, pinkish purple, on multiple spikes; corolla tube long.

294102. *ULMUS PUMILA* L. Ulmaceae. Chinese elm.

G-11908. From Manitoba, Canada; originally from Manchuria. Cultivated, much branched, erect, vigorous, hardy tree; leaves small, alternate, slightly folded at midrib, persist to mid-October at Geneva.

294103 to 294105.

From Denmark. Seeds presented by the Universitetes Botaniske Have, Copenhagen. Received Dec. 4, 1963.

294103 and 294104. *ELYMUS ARENARIUS* L. Poaceae. European dunegrass.

294103. Laso Island, Kattegat.

294104. Botanic Garden, of Danish origin.

294105. *ELYMUS ARENARIUS* var. *MOLLIS* (Trin.) Koidzumi

Upernavik Island, west of Greenland.

294106 to 294154.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Numbered Dec. 4, 1963.

294106. *ABIES GEORGEI* Orr Pinaceae.

294107. *ABIES HOLOPHYLLA* Maxim. Needle fir.

294108. *ABIES MARIESII* Masters Maries fir.

294109. *ABIES NUMIDICA* DeLannoy ex Carr. Algerian fir.

294110. *CEDRUS ATLANTICA* Manetti. Pinaceae. Atlas cedar.

'Glauca Pendula'.

294111. *CEPHALOTAXUS FORTUNEI* Hook. Taxaceae. Chinese plum-yew.

294112 to 294136. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. Lawson falsecypress.

294112. 'Aurea Densa'.

294116. 'Caudata'.

294113. 'Argentea Pygmaea'.

294117. 'Columaris'.

294114. 'Bruini'.

294118. 'Erecta Alba'.

294115. 'Backhouse Silver'.

294119. 'Erecta Witzeliana'.

294155 to 294220—Continued

294159. 'Queen of the Blues'. Flowers large, ageratum blue with light margin.
294160. CROCUS sp.
Flowers large, cupshaped, purple blue.
294161. CYCLAMEN NEAPOLITANUM Tenore Primulaceae. **Neopolitan cyclamen.**
Foliage silvery-marbled; flowers rosy pink.
294162. ERANTHIS (hybrid). Ranunculaceae.
'Tubergenii'. Flowers shiny golden-yellow, long lasting.
294163. ERANTHIS HYEMALIS (L.) Salisb. **Winter-aconite.**
Flowers clear yellow, early.
- 294164 to 294168. GALANTHUS NIVALIS L. Amaryllidaceae. **Snowdrops.**
294164. The common snowdrop.
294165. 'Atkinsii'. Plants tall, forming large clumps.
294166. 'S. Arnott'. Stems tall; flowers fragrant, outer segments white, inner segments with greenish margin.
294167. Plants vigorous; flowers large; petals green tipped.
294168. 'Warham'. Plants vigorous.
- 294169 to 294173. IRIS RETICULATA Bieb. Iridaceae. **Netted iris.**
294169. 'Cantab'. Flowers pale blue with orange blotch on falls.
294170. 'Danfordiae'. Flowers bright yellow, standards small, very early.
294171. 'Joyce'. Flowers sky blue with orange central ridge on falls.
294172. 'J.S. Dijt'. Flowers reddish purple, fragrant.
294173. 'Wentworth'. Flowers purple blue.
- 294174 to 294177. NARCISSUS (hybrids). Amaryllidaceae.
294174 and 294175. *N. cyclamineus* hybrids.
294174. 'February Gold'. Perianth yellow, slightly reflexed; trumpet golden orange. Early.
294175. 'February Silver'. Flowers silvery white. Early.
294176 and 294177. *N. triandrus* hybrids.
294176. 'Horn of Plenty'. Free flowering, 3 flowers per stem; flowers glistening white.
294177. 'Silver Chimes'. *N. triandrus* var. *calathinus* × *N. tazetta*.
294178. NARCISSUS BULBOCODIUM L. **Petticoat daffodil.**
Flowers yellow, hoop petticoatlike, small.
294179. NARCISSUS CANALICULATUS Guss.
Flowers in heads, small, white; cup bright golden.
294180. NARCISSUS JONQUILLA L.
294181. NARCISSUS MINIMUS Kunth
Very small trumpet daffodil; flowers small.
294182. NARCISSUS NANUS Steud.
Plants to 5 inches high; trumpet sulfur yellow; perianth creamy. Early variety.
294183. NARCISSUS RUPICOLA Dufour.
Leaves 3 sided, upright, to 4 inches high; flowers bright yellow.

294155 to 294220—Continued

- 294184.** *NARCISSUS TRIANDRUS* var. *ALBUS* Hort. **Angel's tears daffodil.**
Flowers in clusters, creamy white; perianth reflexing.
- 294185.** *NARCISSUS* sp.
A collection of single- and double-flowered varieties.
- 294186 and 294187.** *SCILLA SIBERICA* Andr. Liliaceae.
294186. 'Spring Beauty'. Flowers deep blue.
294187. Flowers clear blue, very early.
- 294188 to 294192.** *TULIPA* (hybrids). Liliaceae.
Darwin tulips.
294188. 'Blanca'. Stems strong, stiff; flowers white, large; anthers light sulfur yellow.
294189. 'Charles Needham'. Stems strong; flowers scarlet, large; base dark blue.
294190. 'Demeter'. Flowers plum purple, early.
294191. 'Niphetos'. Flowers lemon yellow, slightly recurved.
294192. 'Queen of Night'. Stems tall, stiff; flowers maroon black, early.
- 294193.** *TULIPA AITCHISONII* A. D. Hall
Miniature tulip from Kashmir; flowers small, yellow.
- 294194.** *TULIPA AUCHERIANA* Baker
From the Near East; flowers small, expanded, deep rose pink.
- 294195.** *TULIPA BATALINII* Regel
Plant dwarf; flowers soft yellow.
- 294196.** *TULIPA BIFLORA* Pall.
Miniature tulip; flowers white with yellow centers, in clusters of 2 or 3, small.
- 294197 and 294198.** *TULIPA CLUSIANA* DC. **Lady tulip.**
294197. Stems to 15 inches high; flowers small, exterior crimson, dark blue base.
294198. 'Cynthia'. Flowers cream colored, red outside.
- 294199 and 294200.** *TULIPA EICHLERI* Regel
294199. Flowers crimson and scarlet with yellow and black center.
294200. 'Excelsa'.
- 294201.** *TULIPA GALATICA* Freyn.
From Anatolia; flowers large, yellow, late.
- 294202.** *TULIPA GREIGHII* Regel
'Red Riding Hood'. Flowers bright scarlet.
- 294203 to 294207.** *TULIPA KAUFMANNIANA* Regel
294203. 'Cesar Franck'. Flowers golden yellow, exterior carmine red, edged yellow, early.
294204. 'Goudstuk'. Flowers deep golden yellow, exterior deep carmine, edged yellow, large.
294205. 'Scarlet Elegance'. Flowers bright scarlet, early.
294206. 'Shakespeare'. Plants dwarf, free flowering; flowers mixture of salmon, apricot and orange, interior red.
294207. 'The First'. Flowers white, exterior with a broad band of crimson red, early.

294155 to 294220—Continued

294208. *TULIPA KOLPAKOWSKIANA* Regel

Plants slender stemmed; flowers yellow, outside scarlet blotched.

294209. *TULIPA LINIFOLIA* Regel

Leaves narrow, undulate, red margined, resting on the soil; pedicels red; flowers small, scarlet vermilion with black base.

294210. *TULIPA MARJOLETTII* Per. & Song.

Pedicels to 20 inches high; flowers soft primrose, exterior base rosy red, early to mid-May.

294211. *TULIPA OSTROWSKIANA* Regel

Pedicels slender; flowers orange red; petals reflexed.

294212. *TULIPA POLYCHROMA* Stapf

Flowers cupshaped, white with large yellow basal blotch, early.

294213 to 294215. *TULIPA PULCHELLA* Fenzl

294213. Flowers white; base deep steel blue.

294214. Flowers violet pink, base yellow.

294215. Flowers purple violet, black center, early.

294216. *TULIPA TURKESTANICA* Regel

Plants vigorous; flowers white, center orange yellow, to 9 per spike.

294217. *TULIPA URUMIENSIS* Stapf

From Asia Minor. Leaves in spreading rosette; flowers golden yellow with bronze.

294218. *TULIPA WILSONIANA* Hoog

Flowers deep vermilion red, May; base small, blue; stamen yellow.

294219 and 294220. *VELTHEIMIA CAPENSIS* DC. Liliaceae.

294219. Leaves glossy; flower spikes to 2 feet high; flowers drooping, tubular, rose and green in spring.

294220. 'Rosalba'. Flowers white, tinged pink.

294221. *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**

From Mauritius. Cuttings presented by the Mauritius Sugar Industry, Research Institute, Reduit. Received Nov. 27, 1963. Numbered Dec. 6, 1963.

'Ebene 50/47'.

294222 to 294315.

From Israel. Seeds presented by the National and University Institute of Agriculture, Beit Dagan. Received Dec. 6, 1963.

No. 27-54. Sand dunes, Acre.

294222. *LOTUS CRETICUS* L. Fabaceae.

294223 to 294225. *LOTUS PEREGRINUS* L.

294223. No. 26-54. Seashore salt marshes, Haifa Bay.

294224. No. 28-54. Dry, hard limestone, eastern slope, Rosh Pina. Annual rainfall about 500 mm.

294225. No. 29-54. Deep brown rendzina soil, open *Quercus aegilops* forest, Gat. Annual rainfall 700 mm.

294226. *MELILOTUS INDICUS* (L.) All. Fabaceae.

Annual yellow sweetclover.

No. 36-54. Sandy soil, seashore salt marsh, Haifa Bay.

294222 to 294315—Continued

294227. *MELILOTUS INDICUS* (L.) All. Annual yellow sweetclover.
No. 37–54. Sandy soil, seashore salt marsh, Acre.
294228. *MELILOTUS MESSANENSIS* All.
No. 38–54. Heavy alluvial field, Mishmar Haemek. Annual rainfall 600 mm.
294229. *MELILOTUS INDICA* (L.) All. Annual yellow sweetclover.
No. 39–54. Salty sand bank, Alexander River, Natania.
- 294230 to 294251. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. ex Aschers. & Schweinf. Poaceae. Smilgrass.
294230. No. 60–54. Light rendzina soil, P'kiin. Annual rainfall 900 mm.
294231. No. 61–54. Oak forest on a grey rendzina plateau, east of Shomera. Annual rainfall 950 mm.
294232. No. 62–54. *Laurus nobilis* forest on terra rosa soil, west of Shomera. Annual rainfall 950 mm.
294233. No. 63–54. Rosh Ha-ayin. Annual rainfall 500 mm.
294234. No. 64–54. *Pinus halepensis* forest on terra rosa soil, Achisamach. Annual rainfall 450 mm.
294235. No. 65–54. Limestone plateau, Ami-Nadav. Annual rainfall 750 mm.
294236. No. 66–54. Fruit orchard on dry ocean bed, Kastel Valley. Annual rainfall 700 mm.
294237. No. 67–54. Mediterranean chaparral on grey rendzina soil, Mt. Carmel. Annual rainfall 600 mm.
294238. No. 68–54. Oak woods on brown rendzina soil, Alonim. Annual rainfall 650 mm.
294239. No. 69–54. Kurkar soil, Ashkelon. Annual rainfall 350 to 400 mm.
294240. No. 70–54. Brown rendzina soil, Iachish. Annual rainfall 350 mm.
294241. No. 71–54. Soft limestone, grey rendzina soil, Ajur. Annual rainfall 350 mm.
294242. No. 72–54. Mediterranean chaparral on basaltic rock, Beit Keshet. Annual rainfall 600 mm.
294243. No. 73–54. Edge of pine woods on terra rosa soil, Misgav Am. Annual rainfall 850 mm.
294244. No. 74–54. Light rendzina soil, amid ruins, Ein Zeitim. Annual rainfall 850 mm.
294245. No. 75–54. Terra rosa soil, Ein Zeitim-Meron. Annual rainfall 850 to 900 mm.
294246. No. 76–54. Olive grove, Sde Eliyahu. Annual rainfall 350 mm.
294247. No. 77–54. Oak woods on terra rosa soil, Mt. Gilboa. Annual rainfall 550 mm.
294248. No. 78–54. Light rendzina soil, Waki Ara. Annual rainfall 500 mm.
294249. No. 79–54. Mediterranean chaparral on limestone, Segev. Annual rainfall 700 mm.
294250. No. 80–54. Neglected sandy-loam field, Rishon Letzion. Annual rainfall 500 mm.

294222 to 294315—Continued

294251. No. 81-54. Wadi above limestone, Lahav. Annual rainfall 250 mm.
- 294252 to 294270. PHALARIS AQUATICA L. Poaceae. Large canarygrass.
294252. No. 40-54. Mediterranean chaparral on brown limestone soil, Mt. Meron. Annual rainfall 1,200 mm.
294253. No. 41-54. Mediterranean chaparral on terra rosa, top of Mt. Meron. Annual rainfall 1,200 mm.
294254. No. 42-54. *Quercus calligrinus* and *Aegilops* on grey rendzina soil, east of Shomera. Annual rainfall 950 mm.
294255. No. 43-54. Edge of orchard, terra rosa plateau, Tzuba. Annual rainfall 750 mm.
294256. Terra rosa soil, Makura. Annual rainfall 650 mm.
294257. No. 45-54. Mediterranean chaparral on light limestone rendzino soil, Nve Shaanan, Haifa. Annual rainfall 600 mm.
294258. No. 46-54. Grey rendzina soil, edge of woods, Alonim. Annual rainfall 650 mm.
294259. No. 47-54. Loess field, Ajur. Annual rainfall 320 mm.
294260. No. 48-54. *Pinus halepensis* on terra rosa soil, Nachshon. Annual rainfall 450 mm.
294261. No. 49-54. Mediterranean chaparral on basaltic soil, Bait Keshet. Annual rainfall 600 mm.
294262. No. 50-54. Neglected field, light rendzina soil, Metula. Annual rainfall 850 mm.
294263. No. 51-54. Edge of pine woods, terra rosa soil, Misgav Am. Annual rainfall 850 mm.
294264. No. 52-54. Light rendzina soil, Ein Zeitim. Annual rainfall 850 mm.
294265. No. 54-54. Field, light limestone soil, Rosh Pina-Safad Road. Annual rainfall 850 mm.
294266. No. 55-54. Clearing in pine woods, terra rosa soil, Mr. Gilboa. Annual rainfall 550 mm.
294267. No. 56-54. Edge of cultivated field, basaltic alluvium, Taibe. Annual rainfall 650 mm.
294268. No. 57-54. Terra rosa limestone, Segev. Annual rainfall 700 mm.
294269. No. 58-54. Field of loess and salaga, Beit Kama. Annual rainfall 250 mm.
294270. No. 59-54. Loess soil, edge of field in Wadi with good irrigation, Lahav. Annual rainfall 200 mm.
- 294271 to 294274. TETRAGONLOBUS PALAESTINUS Boiss. Fabaceae.
294271. No. 30-54. Heavy alluvium in neglected field, Achziv. Annual rainfall 800 mm.
294272. No. 31-54. Heavy alluvium, Jordan River bank, Yardena.
294273. No. 32-54. Terra rosa soil, Kfar Azaria. Annual rainfall 550 mm.
294274. No. 33-54. Gravel streambed, Jordan River, Ashdod-Yaakov.
294275. TETRAGONLOBUS SILIQUOSUS (L.) Roth
No. 34-54. *Quercus aegilops* forest on deep brown rendzina, Gat. Annual rainfall 700 mm.

294222 to 294315—Continued

- 294276.** *TETRAGONOLOBUS PALAESTINUS* Boiss.
No. 35-54. Basaltic field, Kfar Chitin. Annual rainfall 450 mm.
- 294277 to 294286.** *VICIA ANGUSTIFOLIA* L. Fabaceae.
- 294277.** No. 82-53. Edge of heavy alluvial field, Ein Chod. Annual rainfall 600 mm.
- 294278.** No. 97-53. Shallow terra rosa soil on limestone, Jerusalem. Annual rainfall 600 mm.
- 294279.** No. 98-53. Heavy alluvial field, Rosh Hanikra. Annual rainfall 800 to 900 mm.
- 294280.** No. 99-53. Sandy field, Ashkelon. Annual rainfall 400 mm.
- 294281.** No. 1-54. Heavy alluvial field, Gezer. Annual rainfall 450 mm.
- 294282.** No. 4-54. Heavy alluvial field, Malacha. Annual rainfall 450 mm.
- 294283.** No. 8-54. Sandy loam wadi bed, Erez. Annual rainfall 300 mm.
- 294284.** No. 10-54. Heavy alluvial bank of Chatzbani River, Chatzbani. Annual rainfall 800 mm.
- 294285.** No. 16-54. Heavy alluvial field, Balfouria. Annual rainfall 450 mm.
- 294286.** No. 17-54. Heavy alluvial swamp, Malacha.
- 294287.** *VICIA DASYCARPA* Ten. Fabaceae. **Woollypod vetch.**
No. 95-53. Terra rosa soil, Beit Govrin. Annual rainfall 350 mm.
- 294288.** *VICIA GALEATA* Boiss.
No. 6-54. Heavy alluvial soil, ditch at edge of field, Malacha.
- 294289 to 294294.** *VICIA HYBRIDA* L.
- 294289.** No. 80-53. Brown rendzina soil, open oak woods, Segev. Annual rainfall 700 mm.
- 294290.** No. 5-54. Heavy basaltic field, Kurazim. Annual rainfall 400 mm.
- 294291.** No. 7-54. Heavy alluvial bank of Jordan River, Shaar Yashuv. Annual rainfall 500 mm.
- 294292.** No. 11-54. Heavy alluvial bank of Dan River, Shaar Yashuv. Annual rainfall 500 mm.
- 294293.** No. 15-54. Heavy alluvial soil, Chatzbany River Bank, Upper Galilee.
- 294294.** No. 19-54. Mediterranean chaparral, on terra rosa, western sea slope, Mt. Carmel.
- 294295 to 294303.** *VICIA NARBONENSIS* L. **Vetch.**
- 294295.** No. 88-53. Mediterranean chaparral on basaltic soil, Kerem Ben Zimra. Annual rainfall 1,000 mm.
- 294296.** No. 89-53. Sandy loess field, Maslul. Annual rainfall 250 mm.
- 294297.** No. 90-53. Heavy alluvial field, Hadera. Annual rainfall 600 mm.
- 294298.** No. 92-53. Edge of field, light rendzina soil, Wadi Milek. Annual rainfall 500 mm.
- 294299.** No. 93-53. Loess soil, Gilat. Annual rainfall 250 mm.
- 294300.** No. 96-53. Heavy alluvial field, Tel El-Kadi. Annual rainfall 1,000 mm.

294222 to 294315—Continued

294301. No. 9-54. Heavy alluvial field, Hertzlia. Annual rainfall 550 mm.
294302. No. 12-54. Field of heavy basaltic soil, Gonen. Annual rainfall 400 mm.
294303. No. 13-54. Field of heavy basaltic soil, Kfar Szold. Annual rainfall 600 mm.
- 294304 to 294310. *VICIA PALAESTINA* Boiss.
294304. No. 81-53. Roadside ditch, Tel Chatzor.
294305. No. 84-53. Heavy alluvial fieldside ditch, Malacha.
294306. No. 85-53. Basaltic soil between basaltic rocks, Gonen. Annual rainfall 450 mm.
294307. No. 86-53. Terra rosa soil, Eilabun. Annual rainfall 700 mm.
294308. No. 3-54. Shallow terra rosa soil, Ofer. Annual rainfall 700 mm.
294309. No. 14-54. Basaltic soil between basaltic rocks, Kfar Szold. Annual rainfall 600 mm.
294310. No. 18-54. Mediterranean chaparral on shallow light randzina soil between rocks, Adulam.
- 294311 to 294315. *VICIA PEREGRINA* L.
294311. No. 83-53. *Pinus halepensis* forest on shallow terra rosa soil, Mt. Gilboa. Annual rainfall 550 mm.
294312. No. 87-53. Loess soil, Beersheba. Annual rainfall 200 mm.
294313. No. 91-53. Loess soil, Tel Yerucham. Annual rainfall 120 mm.
294314. No. 94-53. Sandy loess soil, Tze'elim. Annual rainfall 150 mm.
294315. No. 2-54. *Pinus halepensis* forest on terra rosa soil, Mt. Gilboa. Annual rainfall 550 mm.

294316 to 294319.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Dec. 9, 1963.

294316 to 294318. *GOSSYPIMUM ARBOREUM* L. Malvaceae.

Asiatic tree cotton.

294316. C.J. 73. Unirrigated. Yield per acre: seed cotton 441 lb., lint 150 lb.; 34 percent lint; 15/16 inch; fiber weight per inch in millionth ounce 0.172; average mill spinning capacity 32 to 34.
294317. 'Jarilla'. Unirrigated. Yield per acre: seed cotton 490 lb., lint 167 lb.; 33 to 35 percent lint; 7/8 inch; fiber weight per inch in millionth ounce 0.166; average mill spinning capacity 20 to 24.
294318. 'Virnar'. Unirrigated. Yield per acre: seed cotton 500 lb., lint 198 lb.; 38 to 41 percent lint; 29/32 inch; fiber weight per inch in millionth ounce 0.191; average mill spinning capacity 24 to 28.

294319. *GOSSYPIMUM HIRSUTUM* L.

Upland cotton.

No. 320 F. Irrigated. Yield per acre: seed cotton 1,114 lb., lint 379 lb.; 34 percent lint; 15/16 inch; fiber weight per inch in millionth ounce 0.15; average mill spinning capacity 28 to 30.

294320 to 294413. *ORYZA SATIVA* L. Poaceae.

Rice.

From the Philippines. Seeds presented by the International Rice Research Institute, Los Banos, Laguna. Received Dec. 9, 1963.

294320. No. 45. C 46-15. From Burma.
294321. No. 49. M-302. From Ceylon.
294322. No. 52. H-6. From Ceylon.

294320 to 294413—Continued

294323. No. 58. 59-811 ('Mas' × Ptb-16). From Ceylon.

294324 to 294343.

From India.

294324. No. 68. 'Sukhwel 20'.
 294325. No. 69. 'SLO 15'.
 294326. No. 70. T 141.
 294327. No. 71. PTB 10.
 294328. No. 72. 'Chinsurah 35'.
 294329. No. 73. 'Kolamba 42'.
 294330. No. 74. T 21.
 294331. No. 75. 'Ram Tulasi' (Sel).
 294332. No. 76. 'Nepali Tulasi' (Sel).
 294333. No. 77. 'Nhata-6'.
 294334. No. 78. M.T.U. 3.
 294335. No. 79. M.T.U. 15.
 294336. No. 80. CO 25.
 294337. No. 83. T.K.M. 6.
 294338. No. 85. ASD-1.
 294339. No. 86. B.J. 1.
 294340. No. 87. G.S. 336.
 294341. No. 88. BR 7.
 294342. No. 89. BR 24.
 294343. No. 90. No. 10022.

294344 to 294350.

From Indonesia.

294344. No. 98. 221/BCIV/I/178/6.
 294345. No. 99. 221/BCIV/I/178/9.
 294346. No. 100. 221/BCIV/I/45/10.
 294347. No. 101. 221/BCIV/I/178/11.
 294348. No. 102. 221/BCIV/I/178/13.
 294349. No. 103. 221/BCIV/I/178/3.
 294350. No. 104. 221/BCIV/I/45/8.

294351 to 294368.

From Japan.

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| 294351. No. 105. 'Zuiho'. | 294360. No. 114. 'Norin 29'. |
| 294352. No. 106. 'Kanto 53'. | 294361. No. 115. 'Norin 22'. |
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294369. No. 130. 'Acheh'. From Malaya.

294370 to 294374.

From Pakistan.

294370. No. 149. 'Panbira'.

294371. No. 150. 'Latisail'.

294372. No. 151. 'Patnai-23'.

294373. No. 152. 'Tilok-Katchary'.

294374. No. 153. Da-31.

294375 to 294383.

From the Philippines.

294375. No. 163. 'Bengawan'.

294376. No. 164. 'Tjere Mas'.

294377. No. 170. B-436.

294378. No. 171. 'Dud Kuning'.

294379. No. 173. FB-86.

294380. No. 174. 'Milbuen 5' (3).

294381. No. 175. C 22.

294382. No. 176. 'Nang Thay'.

294383. No. 177. FK 165.

294384 to 294401.

From Taiwan.

294384. No. 184. 'Taipei 127'.

294385. No. 185. 'Taipei 306'.

294386. No. 187. 'Taichung 150'.

294387. No. 188. 'Taichung 155'.

294388. No. 189. 'Taichung 181'.

294389. No. 190. 'Chianung 242'.

294390. No. 191. 'Chianung Yu 280'.

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294392. No. 193. 'Tainan 3'.

294393. No. 194. 'Kaohsiung 24'.

294394. No. 195. 'Kaohsiung 64'.

294395. No. 196. 'Taichung 170'.

294396. No. 198. 'Kaohsiung Ta-Li-Chin-Yu'.

294397. No. 199. 'Taipei Woo-co'.

294398. No. 200. 'I-Kung-Pao'.

294399. No. 201. 'Taitung Woo-Tsan'.

294400. No. 202. 'Tsai-Yuan-Chon'.

294401. No. 203. 'Woo-Gen'.

294402 to 294407.

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294402. No. 205. 'Leuang Yai 34'.

294403. No. 207. 'Nahng Mon S-4'.

294404. No. 210. 'Pah Leuad 29-8-11'.

294405. No. 211. 'Muey Nawng 62'.

294406. No. 212. 'Sapan Kwai 5'.

294407. No. 216. 'Leuang 28-1-14'.

294408 to 294413.

From Vietnam.

294408. No. 237. 'Nang Quot'.

294409. No. 241. 'Trang Lon'.

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294410. No. 242. 'Samo Ran'.
 294411. No. 243. 'Puang Ngeon'.
 294412. No. 244. 'Samo Trang'.
 294413. No. 246. 'Nang Quot' (Floating).

294414. CAMELLIA CONFUSA Craib. Theaceae.

From Thailand. Seeds presented by the Royal Forestry Department, Khao Yai, Nakornrajasima. Received Dec. 9, 1963.

294415 to 294419. PRUNUS AMYGDALUS Batsch Amygdalaceae. Almond.

From Spain. Scions presented by Juan Maria Serres, Palma. Received Dec. 11, 1963.

Grown at Mallorea (Balears).

- | | |
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| 294415. 'Fotsol'. | 294418. 'Quetglas'. |
| 294416. 'Marinata Forta'. | 294419. No label. |
| 294417. 'Mollareta'. | |

294420. PSOPHOCARPUS PALUSTRIS Desv. Fabaceae.

From Singapore. Seed presented by Hooglandt & Co. Received Dec. 13, 1963.

294421 to 294424. ORYZA SATIVA L. Poaceae. Rice.

From Iraq. Seeds presented by the Food and Agricultural Organization Mission, Abu-Ghraib. Received Dec. 13, 1963.

294421. FAO G.S. No. 1137. 'Ambar'.
 294422. FAO G.S. No. 1138. 'Bazian'.
 294423. FAO G.S. No. 1139. 'Ghraiba'.
 294424. FAO G.S. No. 1140. 'Nayima'.

294425 and 294426. CAMELLIA THEIFERA Griff. Theaceae.

From Thailand. Seeds presented by the United States Agency for International Development, Bangkok. Received Dec. 16, 1963.

294425. 'Miang Klam Bai Khao'. White leaf. Elevation 3,000 to 4,000 feet. Flowering time September to October.
 294426. 'Miang Klam Bai Khiew'. Green leaf. Elevation 3,000 to 4,000 feet. Flowering time September to October.

294427 to 294429.

From the Union of Soviet Socialist Republics. Seeds presented by the Plant Industry Section, Nikitske Botanic Garden, Yalta, Crimea. Received Dec. 19, 1963.

294427. QUERCUS CASTANAEAFOLIA C. A. Meyer Fagaceae.
 294428. QUERCUS CRISPATA Steven
 294429. QUERCUS HARTWISSIANA Steven

294430 to 294434. TRIFOLIUM OCCIDENTALE D. E. Coombe Fabaceae.

From Great Britain. Seeds presented by the University of Cambridge, Cambridge, England. Received Dec. 23, 1963.

Grown as open-pollinated material.

294430. Clone O/Port Soif.
 294431. Clone O/IV. St. Ives, West Cornwall.

294430 to 294434—Continued

294432. Cloné O/Marasion. Marasion Sands, West Cornwall.

294433. Clone O/Gr. Grandes Rocques, Isle of Guernsey.

294434. Clone O/CA. Caerthillian Clove, West Cornwall.

294435 and 294436. SACCHARUM (hybrids). Poaceae.

Sugarcane.

From China. Cuttings presented by the Taiwan Sugar Experiment Station, Tainan, Taiwan. Received Dec. 30, 1963.

294435. F 146.

294436. F 148.

294437 and 294438. CANNA (hybrids). Cannaceae.

From the Republic of South Africa. Roots presented by the Botanic Gardens, Durban, Natal. Received Dec. 30, 1963.

294437. 'Ambassador'.

294438. 'King Midas'.

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