

2nd  
Minutes - Rice Crop Advisory Committee Meeting

The second meeting of the Crop Advisory Committee-Rice (CAC) was held February 23, 1984 at Crowley, LA. Members present at the meeting were J.N. Rutger-Chairman, C.N. Bollich, R.H. Dilday, F.N. Lee, M.A. Marchetti, K.S. McKenzie, and B.K. Gustavson and K.L. Koonce representing P.E. Schilling and ex-officio D.H. Smith. H.L. Carnahan and M.C. Rush were unable to attend. Others present were: T.P. Croughan, D.E. Groth, B.J. Hoff, T.H. Johnston, K.A. Kuenzel, E.M. Nowich, J.E. Scott, J.M. Stansel and B.D. Webb.

1. J.N. Rutger outlined the six functions of the Crop Advisory Committee.

These functions are:

- (a) Monitor breeding progress of other nations
- (b) Make specific recommendations for plant introduction and exploration
- (c) Recommend maintenance procedures for specific crops (rice) to the curator
- (d) Suggest new research programs to maximize U.S. resources (eg. germplasm evaluation and enhancement)
- (e) Periodic reports (Rice Technical Working Group)
- (f) Form commodity committees

Charles Murphy, National Program Staff representative for rice and Lorenzo Pope - industry representative (Rice Research Incorporated - Cal.) became members of CAC - Rice.

A sub-committee composed of F.N. Lee - Chairman, C.N. Bollich, K.S. McKenzie and J.N. Rutger was appointed to make recommendations as to how members of CAC-Rice are to be selected, when do the appointments begin, how long are the terms, and the general composition of the committee.

CAC discussed the feasibility of this committee replacing the RTWG germplasm committee. It was suggested by C.N. Bollich that this be recommended to the Executive Committee of RTWG. Discussions followed but a motion was not made and a vote was not taken.

Dave Smith stated that the other small grain CAC's varied in size.

2. Rejuvenation of Rice World Collection.

T.H. Johnston reported that deficiencies were found in the rice collection at

Beltsville and in general the collection was in disarray. The deficiencies were brought to A.K. Stoner and Q. Jones' attention by Johnston, Rutger, and Dilday at Beltsville in 1983. A cooperative agreement (\$149,000) between the USDA-ARS and Arkansas was developed for a grow-out of the rice world collection. Arkansas hired Johnston to coordinate the grow-out which will take place over a two year period (@ 8000 accessions each year). Johnston reported that the list of accession submitted in 1962 and 1965 are probably labeled properly. However, the more recent accessions may not be accurate. Smith did not think that the cooperative agreement was written for 2 years. Smith and Johnston will verify the length of the agreement.

### 3. Status of the germplasm evaluation program.

R. H. Dilday reported that the evaluation of rice germplasm was still important and that a germplasm evaluation plan for rice was prepared and submitted to L.W. Briggie (National Coordinator-Germplasm evaluation) in March, 1983. The total proposed budget was in excess of \$646,000. However, T.H. Johnston's report that the rice collection at Beltsville is in disarray has placed the rice evaluation plans on hold until deficiencies in the collection are corrected. Wheat and oats received \$174,000 net for evaluation in 83 FY and barley received \$150,000 gross for 84 FY and these are reoccurring funds. Field descriptors of 5,000 wheat and 2500 oat accessions were taken in 1983. Lee Briggie is responsible for the evaluation of wheat, oats, and barley. He works closely with Dave Smith. The small grains industry has been working at Washington D.C. and USDA-ARS since 1975 to generate support for evaluation. It was suggested that the rice group try to generate the same type of support.

Dave Smith discussed how data are stored on tapes at Beltsville. It is not organized and the data are in "bits-and-pieces".

### 4. Status of germplasm enhancement plan.

J.N. Rutger reported that a rice enhancement plan was submitted in July, 1983. It was a 5 year plan for \$650,000. He attended a meeting on germplasm enhancement and found that there were no funds available for rice enhancement research. The enhancement plan is also on hold at the present time.

### 5. Plant exploration proposals.

E.M. Nowick discussed an exploration proposal with the committee. The proposal involves the collection of wild rice in South America. The last trip to that area

was in 1961 and there were no collections south of the equator. The wild species collected in the area would be screened specifically for disease and insect (rice water weevil) resistance.

A motion concerned only with the objective of the proposal to collect wild rice in South America was made by K.S. McKenzie (F.N. Lee - second). The motion passed.

6. Report on workshop on "Integration of emerging technologies into plant germplasm improvement programs".

J.N. Rutger reported on the workshop held in Beltsville, Maryland (November 29 - December 1, 1983). The programs were part of a 6-year plan with four goals.

Goal A - Develop basic knowledge concerning the organization of plant genomes, gene structure, and the regulation of gene expression.

Goal B - Develop more efficient methods for the identification and transfer of desirable genes between and within species.

Goal C - Develop effective and efficient selection methodologies for modifying traits associated with genetic improvement of plants.

Goal D - Develop effective reproductive and propagation systems.

7. Other business

Funding was approved for revising ARS handbook 289 - Rice in the United States: Varieties and Production. The present 1973 handbook is a revision of a 1960 edition. J.N. Rutger will coordinate the revision.

An International Genetics Rice Symposium will be held at IRRI in 1985.

An International Genetics Rice Newsletter is being started by Japan.

The introduction of new varieties from foreign countries was discussed. It was suggested that (a) a list of the seed request be given to CAC (b) a list be given to the research stations by Dave Smith and (c) a list be published in the RTWG proceedings.

Methods to follow and contacts to make in obtaining foreign varieties were discussed. A sub-committee was appointed to develop recommendations for obtaining foreign varieties - C.N. Bollich - Chairman, R.H. Dilday and D.H. Smith.

The next CAC meeting will be at 6:00 pm June 25 (Monday) at the 1984 RTWG meeting.

The 1984 RTWG will be at the Lafayette Holidome, Lafayette, Louisiana June 25-27.

R.H. Dilday  
Member Rice-CAC

## Minutes of the Rice Germplasm/Crop Advisory Committee Meeting

June 25, 1984

The third meeting of the Rice Crop Advisory Committee (CAC) was held June 25, 1984 at Lafayette, LA, during the 20th meeting of the Rice Technical Working Group (RTWG). Members attending the meeting were J.N. Rutger (Chairman), C.N. Bollich, H.L. Carnahan, R.H. Dilday, T.H. Johnston, F.N. Lee, K.S. McKenzie, M.A. Marchetti, C.F. Murphy, C.L. Pope and M.C. Rush. Also present were K.A. Kuenzel, J.F. Robinson and A.K. Stoner.

### 1. Introduction of new members and guests

J.N. Rutger introduced the new CAC members, C.F. Murphy and C.L. Pope. He then called upon A.K. Stoner, Chairman of the Plant Genetics & Germplasm Institute, Beltsville, and Facilitator for the CAC's. Stoner outlined the role and concerns of the Facilitator's office for NPGS. Within the NPGS it was recognized that one central office was needed to record the activities of the approximately 25 CAC's, including providing a central storage place for CAC minutes. Stoner's office is presently being used for this. This office has taken over the Germplasm Resources Information Network (GRIN). GRIN is now operational; data loading has high priority. Certain sections need modification but it is a workable system, even though there are problems with the tapes, i.e., the data do not fit the format for entering into GRIN. Stoner's office should facilitate meetings to discuss needs, keep CAC's advised of possible additional funds for evaluation and enhancement, and advise on how to prepare proposals.

C.F. Murphy discussed evaluation and enhancement situations for all crops. Some \$40 million is needed by mid-1990's to adequately fund the plans, but current funding is \$11 million, including the \$3.8 million in FY83. There seems to be another surge of interest in funding plans; the money will go to the crop group that has done their homework. Rutger emphasized that we need to update our evaluation and enhancement plans. Certain crop groups saw a need to organize CAC and did so 7-9 years ago, and those tended to be the ones that got funds. Enhancement proposals should be sent to A.K. Stoner and Quentin Jones and evaluation proposals should go to C.F. Murphy.

It was noted that USDA has put seed money into the journal Diversity but the journal must function on its own merits.

### 2. Report of subcommittee to determine CAC membership

At the 1982 meeting RTWG the Rice Germplasm Committee was formed and this committee originally served as the CAC for rice. Subsequently, at the February 23, 1984 CAC meeting, Chairman Rutger appointed a subcommittee to determine membership of the CAC. F.N. Lee, Chairman of the subcommittee, presented the report of the subcommittee. Lee moved that the committee be called the RTWG Germplasm Committee with the following composition (11 voting and 2 ex-officio members):

11 voting members

4 plant breeders

C.N. Bollich  
H.L. Carnahan  
K.A. Kuenzel  
K.S. McKenzie

2 geneticists

R.H. Dilday  
J.N. Rutger

3 pathologists

F.N. Lee  
M.A. Marchetti  
M.C. Rush

1 entomologist

J. F. Robinson

1 industry representative

C. L. Pope

2 ex-officio members

D.H. Smith, Curator, National Small Grains Germplasm Collection  
C.F. Murphy, National Research Program Leader, Grain Crops

The motion included a statement that every two years the Chairman of the Germplasm Committee will appoint a nominating committee to renominate the entire committee, including at least 3 new members. Also, the motion stated that the Germplasm Committee will elect its own chairman from among the 11 voting members every two years. Seconded by K.S. McKenzie and passed.

Rutger then moved that we recommend to the RTWG Executive Committee that it continue the Germplasm Committee with one of its functions being to serve as the CAC to the National Plant Germplasm System and that the composition and procedures to be as noted above. Motion seconded by K.S. McKenzie and passed. (This motion was presented to the entire RTWG at the final business meeting on June 27, 1984, and passed.)

3. Report of subcommittee on developing recommendations for obtaining foreign varieties

At the February 23, 1984 CAC meeting, a subcommittee was appointed to develop recommendations for obtaining foreign varieties. C.N. Bollich, Chairman of the subcommittee, presented the report. There is a need to coordinate with D. H. Smith and get an annual list of entries that have entered the U.S. We need to make contacts on how to obtain varieties. Following further discussion, Rutger presented a motion requesting curator Dave Smith to make available to the Chairman of the Germplasm Committee a list of the newly imported and released varieties each year in January. Seconded by Dilday and passed. Also, Murphy suggested that we make available the location of the grow-out each year. It was suggested that a letter from the chairman of CAC be sent to D. H. Smith on the above motion.

4. Placement of privately imported germplasm into the PI collection

Rush expressed concern about introducing new germplasm which may by-pass official APHIS procedures. Murphy suggested that Carl Johnson's Crop Science Germplasm Committee make Crop Science aware of the Germplasm procedures for new introductions. Following further discussion, it was suggested that the Chairman of the Germplasm Committee contact George White about our concerns about illegal importation of materials, so that he could put a note in Diversity or other appropriate publications. Some privately imported germplasm grown at El Centro is

not always getting into the germplasm collection. The Germplasm Committee suggests that the importer put a sample of the germplasm in the national collection - however, we can not make it mandatory. It was suggested that the chairman also include the latter concern in the letter to George White.

5. Other business

E.M. Nowich's plant exploration proposal must be presented to the Germplasm Committee for review. Bollich moved that J.N. Rutger serve as the Germplasm Committee chairman for the next two years. Seconded by Dilday and passed.

(List of members attached.)

RTWG Germplasm Committee

1984-86

Voting Members

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Ex-Officio Members

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C.F. Murphy  
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Facilitation

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