

Minutes of the 54-4 Meeting, PSFIATC
PHREATOPHYTE SUBCOMMITTEE
December 7, 1954
Phoenix, Arizona

1. The 54-4 meeting of the PSFIATC Phreatophyte Subcommittee convened in the office of the Maricopa County Agent, 1201 West Madison Street, Phoenix, Arizona at 1:30 p.m., December 7, 1954 with the following members and visitors present:

<u>Members</u>	<u>Agency</u>	<u>Place</u>
T. W. Robinson, Chairman	Geological Survey	Menlo Park, Calif.
Henry J. Cremer, Secretary	Corps of Engineers	Los Angeles, Calif.
Herbert C. Fletcher	Forest Service	Tempe, Ariz.
H. Fred Arle	U.S.D.A. Weed Investigation	Phoenix, Ariz.
Harry B. Blaney	Agricultural Research Service	Los Angeles, Calif.
William Berry (Alternate for R. H. Rupkey)	Indian Service	Phoenix, Ariz.

Visitors

T. B. Waddell	Calif. Div. of Water Resources	Sacramento, Calif.
F. F. Friend	Corps of Engineers	Los Angeles, Calif.
S. F. Turner	Consulting Geologist	Phoenix, Ariz.
H. N. Wolcott	U. S. Geological Survey	Phoenix, Ariz.
J. M. Cahill	U. S. Geological Survey	Phoenix, Ariz.
Ernest Douglas	Editor, Arizona Farmer	Phoenix, Ariz.
J. E. Middleton	Agricultural Exten- sion Service, Dept. of Agriculture	Tucson, Ariz.
Frank Carlson	Corps of Engineers	Los Angeles, Calif.

2. The Chairman called the meeting to order at 1:30 p.m. The previous minutes of the 54-3 meeting were read by the Secretary of the Subcommittee and approved as read.

3. The Chairman gave a brief statement of the purpose of the Phreatophyte Subcommittee for the benefit of the visitors present. He also gave an outline of past phreatophyte problems and research developments.

4. The Chairman called on Mr. Ernest Douglas, editor of the Arizona Farmer, who gave an interesting talk and background on phreatophyte problems and local water conditions. Mr. Douglas offered his appreciation to all the members and visitors who furnished him such wonderful information for the preparation of his article "Phreatophytes - Water Hogs of the West", published in the December 1954 issue of Land Improvement magazine.

5. A letter with attached 33-sheet draft on phreatophytes from Mr. Fletcher was submitted to the members in November for comments with reference to publication in the Agricultural Yearbook for 1955. The Chairman asked Mr. Fletcher to discuss the preparation of the Agricultural Yearbook for 1955, which is devoted to the subject of water.

6. The Chairman called on Mr. Blaney to give a talk of his experiences while he was in Rome. Mr. Blaney stated that he attended the Tenth General Assembly of the International Union of Geodesy and Geophysics in Rome, Italy. He represented the United States Department of Agriculture and the American Geophysical Union, and was one of the delegates of the National Academy of Sciences and National Research Council of the United States. Mr. Blaney presented two papers, one entitled "Consumptive Use of Ground Water by Phreatophytes and Hydrophytes" and the other "Evapotranspiration Measurements in Western United States." Mr. Blaney stated that he was very much impressed by the manner in which the conference was conducted and that he enjoyed a wonderful visit. The committee requested, if possible, to have copies of the proceedings furnished by Mr. Blaney.

7. The Chairman made reference to a letter dated September 28, 1954, accompanied by a memorandum on the subject of phreatophyte control from the Director, Technical Review Staff, Secretary of the Interior's Office to Ernest O. Larson, Chairman of the Southwest Field Committee. Copies of the letter and memorandum were transmitted by the Chairman of the Subcommittee to all subcommittee members on November 4, 1954. The Chairman explained that the letter was the result of subcommittee action taken at the thirteenth meeting at El Centro, California on December 1, 1953, and the 54-1 meeting at Sacramento, California on March 2, 1954, in drafting a letter to the Chairman of FIARBC, Washington, D. C. from the Chairman, PSFIATC. This letter dated May 10, 1954, is given on page III of the 54-2 meeting of the parent committee. Shown as attachment, is a letter from the Planning Division of the Soil Conservation Service to Mr. Harold B. Elmendorf on the subject of phreatophyte control and management. This letter which was also in reply to the letter of May 10, 1954, was not available for discussion at the time of the subcommittee meeting.

8. Since the gist of the letter and memorandum from the Director, Technical Review Staff of September 28, 1954, was that the Department would look to the field committees and the bureau to recommend phreatophyte programs, the Chairman invited discussion, on the manner in

which the subcommittee could be of assistance. The ways and means discussed are given in items 9, 10, 11, 12, and 13 following.

9. One member thought that the problem of presenting the spreading condition of phreatophytes should be brought to the attention of a congressman for his views and proper action in the matter.

10. The problem of the preparation of a complete map outlining areas of heavy phreatophyte growth infestations was discussed. It was agreed to contact the various agencies for maps and other related materials which show infested phreatophyte areas for the preparation of a complete map.

11. It was suggested to contact local people for participation in the projects to stimulate local interest.

12. A discussion followed between Mr. Sam Turner, former member and first chairman of the Subcommittee, and Mr. Friend on water users, water losses, phreatophyte control, local interest, and salvage of water. It was stated that the Pecos River Commission had matching funds to carry on the 50,000 acres of saltcedar control.

13. The Chairman asked what happened to the preparation of the history of saltcedar. Mr. Arle stated that the history has been completed by Mr. Bowser of the Bureau of Reclamation.

A motion was made by Mr. Fletcher that the committee request Mr. Larson to check into the preparation of the history of saltcedar and have a copy made for the subcommittee. The motion was seconded by Mr. Blaney and passed.

14. The representation of a member of the Bureau of Reclamation was discussed and it was suggested that Mr. Larson be requested to confer with Mr. Nielson, Regional Director, Bureau of Reclamation, at Boulder City, Nevada, to have Mr. Bowser serve on the subcommittee.

15. Mr. Arle stated that the work Mr. Brown had carried on at the University of Arizona at Tucson dealing with parasitic infestations on plants has bogged down because of lack of funds.

16. Reference was made to a library for depository of photographs and other phreatophyte materials. The Chairman read a letter sent to Mr. Cremer from Mr. Wilson, librarian of U. C. L. A. Mr. Wilson agreed to the use of his facilities for a depository of our phreatophyte materials. Mr. Fletcher gave his understanding with the librarian of the Arizona State College at Tempe, Arizona. The difference between the housing of the two universities is the fact that U. C. L. A. will take the material as a gift while the Arizona university would take it as a loan. The Secretary suggested that Mr. Fletcher have his oral information confirmed by formal letter from the librarian of the State College at Tempe, Arizona, in a similar manner to U. C. L. A.'s statement of the conditions of acceptance. The Chairman instructed Mr. Fletcher to get a letter from Mr. Bachelor of the Tempe University.

