

# Association Affairs

## Fifth Berkeley Symposium on Statistics and Probability

The second part of the Berkeley symposium, emphasizing applications, will be held in conjunction with the AAAS meetings, 26–30 December 1965, in Berkeley, California. The special Weather Modification sessions will summarize the experience of the last decade in experimentation with weather control. There will be four sessions with 16 papers on the various experiments, including five conducted abroad—in Australia, France, Germany, Israel, and Switzerland. The fourth session will be devoted to a roundtable discussion of outstanding problems, both substantive meteorological and theoretical statistical. It is planned to publish the contributions to the Weather Modification Section in a special volume of *The Proceedings of the Symposium*.

Organized at 5-year intervals since 1945, the Berkeley Statistical Symposia summarize recent progress in probability, statistics, and in selected fields of application—astronomy, biology, meteorology, physics, and problems of health. While personal presentation of papers has been usual, the emphasis has been and still is on *Proceedings* regularly published by the University of California Press.

There will also be a three-session symposium on “Statistical Problems of Genetics” and other sessions on “Decision Theory Applied to Medical Diagnosis,” “Information Processing and Cognition,” “Astronomy,” “Demography,” “Statistical Theory,” “Chance Mechanisms in Live Organisms,” “Ecology and Epidemiology,” sessions on “Carcinogenesis” and on “Sequential Clinical Trials” will be held 3–7 January 1966.

The Fifth Symposium Dinner will be held 29 December and a special invited paper will be given by Oscar Kempthorne of Iowa State University on “The Classical Problem—Goodness of Fit” on 30 December.

The first part of the Fifth Symposium, emphasizing theory of probability and statistics, was held from 21 June

through 18 July 1965, with a total of 98 papers presented. Numerous contributors from abroad included a three-man delegation from the Soviet Union, headed by the Academician Yu. V. Linnik; the other members were Yu. V. Prohorov and A. M. Yaglom. Russian scholars have been invited to the earlier Berkeley symposiums. The proceedings of the Fourth Symposium, held in 1960, contain nine papers that were submitted. However, 1965 was the first year that Soviet probabilists attended the symposium in person.

The Berkeley Symposium sessions at the AAAS meetings are cosponsored by AAAS Section U-Statistics. Other sessions which the Section is cosponsoring include “Experiments on Operating Information Systems,” “Statistics of Mental Disorder,” “Statistical Methods in Bio-Assay,” “Measurement of Quality in Education,” “The Computer and the University,” and others.

Inquiries about the Berkeley Symposium should be addressed to Statistical Laboratory, University of California, Berkeley.

## Southwestern and Rocky Mountain Division, AAAS

The Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science, held its 41st annual meeting in Flagstaff, Arizona, 2–6 May 1965. Arizona State College served as host and provided facilities for the meetings, in which the Arizona Academy of Science and the Eastern District of the Western Region of Beta Beta Beta joined. Henry Eyring (president, AAAS) addressed the opening general session of the meetings on the subject, “Methods and opportunities for scientific research.” Other specially featured addresses were the annual John Wesley Powell Memorial lecture given by Marx Brook (New Mexico Institute of Mining and Technology); he spoke on “Lightning and thunderstorms.” Lorenzo Lisonbee (retiring president, Arizona Academy of

Science) delivered an address on “Galileo, Darwin, and Mr. Moore.” As retiring president of the Southwestern and Rocky Mountain Division, Aden B. Meinel (University of Arizona) spoke on “Late twilight glows from stratospheric dust.”

A new planetary research center, established with the aid of the National Aeronautics and Space Administration at the Lowell Observatory in Flagstaff, was dedicated. The ceremonies included a symposium, “Problems in planetary physics,” which was conducted by a group of invited speakers.

The Southwestern and Rocky Mountain Division’s Committee on Desert and Arid Zones Research conducted another in its series of symposiums with a full-day series of invited papers on “Native plants and animals as resources in arid lands of Southwestern United States.”

Programs of the sections of the Division and of the cooperating organizations included 141 individual research papers. The sessions for these papers were well attended, and generated a great deal of interest.

Newly elected officers of the Division include Harold E. Dregne (New Mexico State University) president-elect and Robert E. Lindeborg (New Mexico Highlands University) as a member of the Executive Committee. Earl D. Camp (Texas Technological College), having served during the past year as president-elect, becomes the president. Marlowe G. Anderson (New Mexico State University) will continue as executive secretary-treasurer and as council representative.

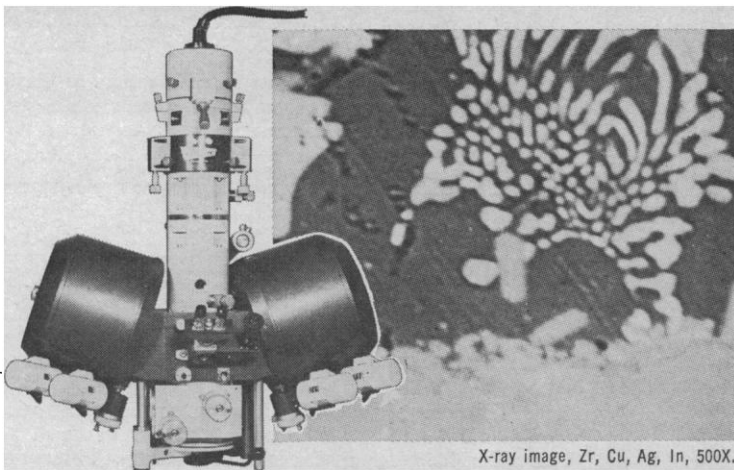
Las Cruces, New Mexico, was confirmed as the location for the 1966 meetings, and the dates were set for 1–4 May. The Division will meet in Tucson, Arizona, in 1967, and in El Paso, Texas, in 1968.

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## Botanical Society of America, Pacific Section

The annual meeting of the Pacific Section of the Botanical Society of America was held in conjunction with the 46th annual meeting of the Pacific Division of the American Association for the Advancement of Science at the University of California, Riverside.

A joint symposium with the Western



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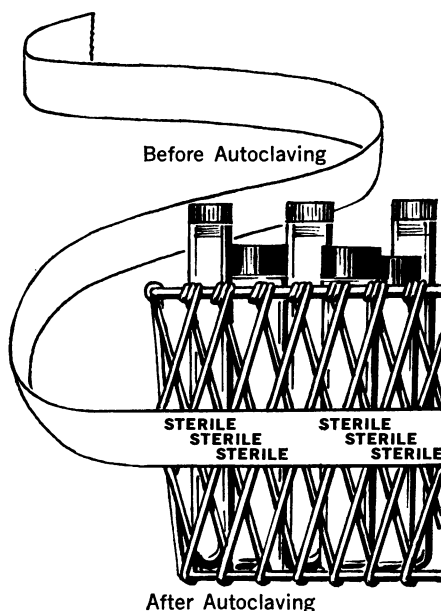
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Section of the American Society of Plant Physiologists and the Western Region of the American Society for Horticultural Science considered "Salinity and the growth of plants." Paul Saltman (University of Southern California) was chairman of the symposium. L. Bernstein (U.S. Salinity Laboratory, Riverside) reported on the salinity and the mineral composition in plants; his colleague at the Riverside Laboratory, R. H. Nieman, discussed the suppression of plant growth due to salinity. The symposium ended with E. Epstein (University of California, Davis) reporting on salinity and its effect on the pattern of selective ion transport in plants.

Several sessions of contributed papers were held. These included a discussion by D. Chapman (Scripps Institution of Oceanography) on a new xanthophyll in the cryptomonad algae. Other reports from Scripps concerning algae included J. Lewin on the weakly silicified diatoms, B. Reimann on ultrastructure of certain diatom walls, and R. Lewin on the apochlorotic counterparts of filamentous blue-green algae. Researchers at the University of California at Berkeley considered fungal zoospores with regard to production (V. Holsinger and D. Branton), morphology (E. Crump and D. Branton), and ultrastructure (M. Fuller, R. Reichle, and H. Whisler).

Another session considering morphology of vascular plants included the ontogeny of the *Vitis* tendril (S. Tucker and L. Hoefert), ultrastructure of *Che-nopodium* apices (E. Gifford and K. Stewart), and growth of pollen tubes in *Oenothera* (A. Hecht and S. Kumar). Other papers reported on the leaf surface wax of garden beet (B. Bystrom and co-workers), drought resistance in mosses (M. Iman and H. Currier), and information concerning the nature of biological membranes as a result of freeze-etch techniques (D. Branton).

The annual business meeting was chaired by Katherine Esau (University of California, Santa Barbara). The new officers for 1965-66 are: Paul C. Silva (University of California, Berkeley), chairman; and Arthur R. Kruckeberg (University of Washington), vice-chairman. The Section will participate at the national meeting of the AAAS in Berkeley, December 1965, and the next meeting will be in Seattle, Washington, with the Pacific Division of AAAS.

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