

Electro-Metallurgical Co.  
 Fibreboard Products, Inc.  
 Food Machinery and Chemical Corp.  
 General Electric Co.  
 General Metals Corp.  
 Haynes Stellite Co.  
 Henry J. Kaiser Co.  
 Hercules Powder Co.  
 Honolulu Oil Corp.  
 Ideal Cement Co.  
 Johns-Manville Corp.  
 Kaiser Aluminum and Chemical Corp.  
 Kaiser Engineers  
 Kaiser Steel Corp.  
 Kern County Land Co.  
 Levi Strauss and Co.  
 Linde Air Products Co.  
 Monsanto Chemical Co.  
 National Carbon Co.  
 Pabco Products, Inc.  
 Pacific Gas and Electric Co.  
 Pacific Telephone and Telegraph Co.  
 Permanente Cement Co.  
 Schlage Lock Co.  
 Shell Oil Co.  
 Spreckels Sugar Co.  
 Standard Oil Company of California  
 Stauffer Chemical Co.  
 Union Oil Company of California  
 Westinghouse Electric Corp.

To these should be added contributions made by the Hotel Claremont of Berkeley and by the United-Carr Fastener Corp. of Cambridge, Mass., the latter made to the AAAS for any worthy purpose and applied to the Berkeley meeting. The Association gratefully acknowl-

edges these contributions and expresses its deep appreciation to all members of the local committees for their services.

#### Awards and Prize Winners at the Berkeley Meeting

AAAS 27th Newcomb Cleveland Prize of \$1000—Daniel H. Alpert, research physicist, Westinghouse Electric Corp., for his paper, "Experiments at very low pressures," read before a joint session of the American Physical Society and Section B; presented 30 Dec.  
 AAAS 10th Theobald Smith Award in the Medical Sciences, given by Eli Lilly and Co.—\$1000, a bronze medal, and \$150 travel expenses—Winston Harvey Price, associate professor of biochemistry, School of Hygiene and Public Health, Johns Hopkins University, for his epidemiological studies on Rocky Mountain spotted fever and typhus; presented in absentia at a session of Section N, 27 Dec.  
 Scientific Research Society of America—4th William Procter Prize of \$1000—Vannevar Bush, president, Carnegie Institution of Washington, for scientific achievement and distinction in scientific administration; presented at the annual RESA address, 30 Dec.  
 Cranbrook Institute of Science—Mary Soper Pope medal—Irving W. Bailey, professor of plant anatomy, Harvard University, for distinguished work in botany; presented at the botanists' dinner sponsored by Section G and cosponsored by the American Society of Plant Physiologists, western section, the Botanical Society of America, Pacific section, and the Mycological Society of America.  
 John Scott Award—Robley C. Williams, research biophysicist, Virus Laboratory, University of California; presented at the end of the symposium on "Viruses" of Section C and the American Chemical Society, California section.



## The 1954 Meeting of the Council of the AAAS

Dael Wolfe

*Administrative Secretary*

The 1954 meeting of the Council was held in two sessions, at 4 P.M. on 27 December and at 9 A.M. on 30 December. Both sessions were held on the campus of the University of California at Berkeley. President Warren Weaver presided.

#### Elections and Officers

1) The Council elected Paul B. Sears as President Elect, and Chauncey D. Leake and Margaret Mead as members of the Board of Directors. The entire list of general officers of the Association (those elected by the Council), including those elected at earlier meetings, is as follows. (Expiration dates are given in parentheses following the names of officers who serve for fixed terms of more than one year.)  
 Retiring President and Chairman of the Board of Directors: Warren Weaver (1955), Rockefeller Foundation

President: George W. Beadle (1956), California Institute of Technology  
 President Elect: Paul B. Sears (1957), Yale University

#### Other Members of the Board of Directors

John R. Dunning (1955), Columbia University  
 Laurence H. Snyder (1955), University of Oklahoma  
 Mark H. Ingraham (1956), University of Wisconsin  
 Paul E. Klopsteg (1956), Glenview, Illinois  
 Wallace R. Brode (1957), National Bureau of Standards  
 Thomas Park (1957), University of Chicago  
 Chauncey D. Leake (1958), University of Texas Medical Branch, Galveston  
 Margaret Mead (1958), American Museum of Natural History  
 Paul A. Scherer (ex officio), Carnegie Institution of Washington  
 Dael Wolfe (ex officio), AAAS

#### **Vice Presidents and Chairmen of the Sections for 1955**

- A* Mathematics: H. F. Bohnenblust, California Institute of Technology  
*B* Physics: Alan T. Waterman, National Science Foundation  
*C* Chemistry: Robert S. Ingols, Georgia Institute of Technology  
*D* Astronomy: Seth B. Nicholson, Mount Wilson Observatory  
*E* Geology and Geography: Carl Tolman, Washington University  
*F* Zoological Sciences: J. Gordon Carlson, University of Tennessee  
*G* Botanical Sciences: Lawrence R. Blinks, National Science Foundation  
*H* Anthropology: W. Montague Cobb, Howard University  
*I* Psychology: S. S. Stevens, Harvard University  
*K* Social and Economic Sciences: Conrad Taeuber, Bureau of the Census  
*L* History and Philosophy of Science: Raymond J. Seeger, National Science Foundation  
*M* Engineering: Clarence E. Davies, American Society of Mechanical Engineers  
*N* Medicine:  
*Nd* Dentistry: H. Trendley Dean, American Dental Association  
*Np* Pharmacy: Glenn L. Jenkins, Purdue University  
*O* Agriculture: John Fielding Reed, American Potash Institute  
*P* Industrial Science:  
*Q* Education: Carter V. Good, University of Cincinnati

#### **Administrative Officers**

##### **Appointed by the Board of Directors**

Administrative Secretary and Acting Editor: Dael Wolfe  
Associate Administrative Secretaries: Raymond L. Taylor and John A. Behnke  
Business Manager: Hans Nussbaum  
Assistant Editor: Charlotte V. Meeting

##### **Secretaries of the Sections**

- A* Mathematics: Rudolph E. Langer (1956), University of Wisconsin, Madison  
*B* Physics: Fred L. Mohler (1955), National Bureau of Standards, Washington, D.C.  
*C* Chemistry: Ed. F. Degering (1956), Quartermaster Research and Development Laboratories, Natick, Mass.  
*D* Astronomy: Frank K. Edmondson (1957), Indiana University, Bloomington  
*E* Geology and Geography:  
*F* Zoological Sciences: Harold H. Plough (1955), Amherst College, Amherst, Mass.  
*G* Botanical Sciences: Barry Commonor (1955), Washington University, St. Louis, Mo.  
*H* Anthropology: Gabriel Lasker (1957), University of Wisconsin, Madison  
*I* Psychology: William D. Neff (1956), University of Chicago, Chicago, Ill.  
*K* Social and Economic Sciences: Donald P. Ray (1958), George Washington University, Washington, D.C.  
*L* History and Philosophy of Sciences:  
*M* Engineering: Frank D. Carvin (1956), Illinois Institute of Technology, Chicago, Ill.  
*N* Medicine: Allan D. Bass (1956), Vanderbilt University School of Medicine, Nashville, Tenn.

- Nd* Dentistry: Russell W. Bunting (1958), University of Michigan, Ann Arbor  
*Np* Pharmacy: John E. Christian (1958), Purdue University, Lafayette, Ind.  
*O* Agriculture: F. D. Keim (1957), University of Nebraska College of Agriculture, Lincoln  
*P* Industrial Science: Allen T. Bonnell (1956), Drexel Institute of Technology, Philadelphia, Pa.  
*Q* Education: Dean A. Worcester (1956), University of Nebraska, Lincoln

#### **Officers of the Pacific Division**

President: Edwin R. Guthrie, University of Washington, Seattle  
President Elect: Robert B. Brode, University of California, Berkeley  
Retiring President: A. H. Sturtevant, California Institute of Technology, Pasadena  
Secretary: Robert C. Miller, California Academy of Sciences, San Francisco  
Council Representative: A. H. Sturtevant, California Institute of Technology

#### **Officers of the Southwestern and Rocky Mountain Division**

President: Joe Dennis, Texas Technological College, Lubbock  
Vice President: E. F. Castetter, University of New Mexico, Albuquerque  
Secretary and Council Representative: Frank E. E. Germann, University of Colorado, Boulder

#### **Officers of the Alaska Division**

President: Neil W. Hosley, University of Alaska, College, Alaska  
Vice President: John A. Dassow, Fisheries Products Laboratory, USFWS, Ketchikan, Alaska  
Secretary: Arthur Buswell, Extension Service, College, Alaska  
Council Representative: Troy L. Péwé, U.S. Geological Survey, College, Alaska

#### **Affiliated and Associated Societies**

2) Upon recommendations by the Committee on Affiliation and Association and the Board of Directors, the Council voted to elect nine new affiliates, to change one associated society to an affiliated society, and to elect one new associate.

##### **New Affiliates**

American College of Chest Physicians  
American Ornithologists' Union  
American Physical Therapy Association  
Association of Geology Teachers  
Endocrine Society  
Instrument Society of America  
National Association for Research in Science Teaching  
Radiological Society of North America, Inc.  
Scientific Research Society of America

##### **Changed from Associate to Affiliate Status**

American Dairy Science Association

##### **New Associate**

National Association of Boards of Pharmacy

During 1954 two affiliated societies merged. At the end of the year the figures on affiliated and associated societies were

Affiliated Societies	163
Affiliated Academies of Science	42
Associated Societies	53
Total	258

### Changes in Bylaws

3) Changes in the Association's bylaws may be made by the Board of Directors but are subject to approval by the Council. The Council approved the following changes. (New material is in italics.)

Article VI, Section 3: The Southwestern and Rocky Mountain Division (organized in 1920) includes members of the Association resident in Arizona, New Mexico, Colorado, Wyoming, Montana east of the Continental Divide, Sonora, Chihuahua, and Texas west of the 100th meridian.

Article VI, Section 4: The Alaska Division (organized in 1951) includes members of the Association resident in Alaska and others who meet such requirements as may be established by the Division and approved by the Board of Directors.

Article VI, Section 5: Each division shall receive for its expenses an annual allowance not to exceed one dollar for each of its members *who is an AAAS member in good standing, or three hundred dollars (\$300) whichever is larger*, and shall make an annual report to the Board of Directors covering its financial situation and other activities.

4) At the time of the 1953 meeting, the constitution and bylaws under which the Association operates had been in effect for 1 year. In order to secure a general review and in order to correct some difficulties, a special committee on Constitution, Bylaws, and General Operations was authorized at the 1953 meeting. The chairman, Wallace R. Brode, presented a preliminary report in which he described the nature of the changes that the committee had considered and asked for advice and recommendations from the Council. The discussion led to agreement that the committee would propose specific changes for action in 1955.

### Resolutions

5) Upon recommendation by the Board of Directors, the Council approved the following statement concerning government grants for unclassified research in which problems of national security are not involved:

There is growing concern over the procedures under which scientists are judged worthy of receiving federal money for unclassified research which does not involve problems of national security. It is understood that this matter is being studied by representatives of government agencies.

The Board of Directors of AAAS and its Council urge the adoption of a uniform policy by all government agencies making grants for, or otherwise supporting, unclassified research. Specifically they recommend adoption of the policy under which the

National Science Foundation operates in awarding grants for unclassified research.

Under that policy, appraisal of merit of a proposal is based on the experience, competence, and integrity of the investigator, as judged by a panel of competent scientists who have a working knowledge of his qualifications.

However, certain persons are excluded from financial support by the National Science Foundation. It will not knowingly make or continue a grant to a person who is an avowed Communist or who has been established through judicial proceedings as being a Communist. Neither will it make a grant to anyone who avowedly advocates change in the United States Government by other than constitutional means, or to one who has been convicted of sabotage, espionage, sedition, or any similar crime involving the nation's security.

Thus, the policy excludes certain classes of individuals from receiving public funds for research, even though this research is unclassified. Such exclusion is based only upon due process of law. Except in cases of persons thus excluded, appraisals as to worthiness of applicants to receive government funds are made by qualified individuals exclusively upon positive criteria of experience, scientific competence, and integrity of the applicant.

6) The Committee on Resolutions reviewed and reported to the Council on a number of resolutions that had been proposed by individuals or other groups. The following resolution was recommended by Section Nd (Dentistry) and was endorsed by the Council:

Whereas "the objects of the American Association for the Advancement of Science are to further the work of scientists, to facilitate cooperation among them, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress" and

Whereas fluoridation of community water supplies is repeatedly demonstrating that it is an effective public health measure for the mass partial control of dental caries, and

Whereas fluoridation is soon to enter its eleventh year as a widely endorsed public health program, and

Whereas fluoridation was endorsed by Nd Section at the annual meeting of the AAAS in 1952,

Now, therefore, be it resolved that Nd Section (Section on Dentistry) request the Council of the Association, through the Board of Directors, through the Administrative Secretary, to go on record as endorsing fluoridation of community water supplies as a method for advancing dental public health, at this 121st meeting of the AAAS.

7) With respect to a series of recommendations proposed by the Association of Scientific Workers, the Committee on Resolutions reported as follows:

A memorandum to the Council of the AAAS by the Association of Scientific Workers has been referred to the Committee on Resolutions for consideration. The memorandum has three sections dealing with (i) thermonuclear weapons tests; (ii) the

training of scientists; (iii) restrictions on travel of foreign scientists to the U.S.

The memorandum of the A.Sc.W. should be read by every member of the Council. Each of the matters presented has received brief consideration by the committee, and our recommendations concerning them are presented in reverse order. With respect to restrictions on travel by foreign scientists due to the provisions of the Walters-McCarran Act, the AAAS Council has already taken a firm position in its resolution of two years ago, and in the subsequent activities of its secretary. A new resolution does not seem desirable.

The urgency of the problems concerned with the training of younger scientists is recognized in the program at the current Berkeley meeting. No good purpose would appear to be served by a resolution at this time.

Finally, there is the recommendation from the A.Sc.W. that the Council of AAAS go on record as favoring the ban on all tests of atomic weapons, and in particular the thermonuclear variety. The basic scientific facts on which conclusions on these questions could be drawn are not publicly available, and it appears that issues are involved which go beyond the scientific facts alone. The committee therefore does not favor a resolution at this time.

These recommendations were approved by vote of Council.

8) The members of the Committee on Resolutions, acting as individuals rather than in their capacity as a committee, moved the creation of a committee of the Association, to be appointed by the Board of Directors, to collect the facts on the possible biological effects of thermonuclear weapons, as recommended by A.Sc.W., and to report at a later date. Council voted to create such a committee.

9) The Committee on Resolutions proposed the following resolution of thanks to those who had been instrumental in making the Berkeley meeting the outstanding occasion that it was. The resolution was enthusiastically approved by Council.

At the close of the 121st meeting of the AAAS, the first national winter meeting to be held west of the Rocky Mountains, the Council wishes to express its grateful thanks and appreciation to the Local Committee, to the University of California at Berkeley, and to all the professional and business people associated with them in planning and holding the meeting. The physical arrangements have been admirably handled, and the large attendance from

every section of the United States has felt the genuineness and warmth of the welcome. Our members will return to their laboratories and their homes with a renewed respect for the competence and the cordiality of their fellow-scientists on the Berkeley campus and with an increased consciousness of the strength and unity of purpose of science throughout the United States as shown in the Berkeley meeting.

### Other Business

10) The National Citizens Committee for Educational Television presented the Association with a citation for its assistance in advancing the cause of educational television. On behalf of the Association, the citation was received by John A. Behnke, Associate Administrative Secretary.

11) Council discussed at some length possible alternative methods of electing the Association's President Elect. Consideration was given to the question of whether election should continue to be by the Council or should be broadened so that all Fellows, or perhaps even all members, would have the privilege of voting. Also discussed were methods of securing more extended consideration of the candidates from among whom the Council would select a President Elect, as were methods of securing votes from a larger fraction of the Council than is usually present at an annual meeting. After discussion of several specific proposals, none of which came to vote, it was agreed that the problem should be considered by the Committee on Constitution, Bylaws, and General Operations, and that at the 1955 meeting the Board of Directors should submit one or two specific proposals for Council consideration.

12) The chairman of the Association's Building Committee, John R. Dunning, described the headquarters building that the Association plans to erect and indicated that construction will start about the first of April 1955. In a discussion of the financing of the new building, it was pointed out that most of the cost could be met from the surplus of income over expenses in prior years.

13) The chairman of the Publications Committee, Paul B. Sears, reported that Duane Roller, who served as editor of *Science* and the *Scientific Monthly* since December 1953, had resigned, and that pending the completion of more permanent editorial arrangements, the Board of Directors had asked the Administrative Secretary to serve as Acting Editor.



*America's first need is leaders who can think accurately and with confidence.*—W. E. WELD.