

Election of AAAS Officers

The Committee on Nominations and Elections, at a meeting on 25 May, selected the following nominees for AAAS offices. All have agreed to serve if elected.

President-elect (one to be elected)

Henry Eyring
Mina S. Rees

Members of the Board of Directors
(two to be elected)

David R. Goddard
Philip Handler
Athelstan F. Spilhaus
H. Burr Steinbach

Members of the Committee on Council Affairs (four to be elected)

Harriet B. Creighton
William O. Field
Robert C. Miller
Herbert B. Nichols
Henry M. O'Bryan
Frederick D. Rossini
Randall M. Whaley
William A. Wildhack

On petition signed by no fewer than 30 members of the Council and submitted to the Executive Officer no later than 1 November, additional nominees may be included on the election ballot to be mailed to Council members shortly after 1 November. Results of the election will be announced at the Council meeting on 27 December in Cleveland.

Biographical information concerning the nominees follows.

For President-elect

Both of the nominees for President-elect are presently serving as members of the Board of Directors. Dr. Eyring's term expires in 1965 and Dr. Rees's in 1964.

Henry Eyring

Henry Eyring, 62 (chemistry), instructor, University of Arizona, 1924-25; teaching fellow, University of California, 1925-27; instructor, University of Wisconsin, 1927-28, research associate, 1928-29; national research fellow, Kaiser-Wilhelm Institute, Berlin, 1929-30; lecturer, University of California, 1930-31; research associate and assistant professor, Princeton University, 1931-38, professor, 1938-46; director, Textile Research Foundation, 1944-46; professor and dean of the Graduate School, University of Utah, 1946-; vice president, Society of Rheology, 1946; Board of Directors, Annual Reviews, 1954-; editor, *Annual Review of Physical Chemistry*, 1956-; Scientific Advisory Committee, Welch Foundation, 1954-; National Science Board, 1962-; president, American Chemical Society, 1963; received Newcomb Cleveland Prize, AAAS, 1932; Research Corporation Award, 1949; second Bingham Medal, Society of Rheology, 1949;



Henry Eyring

Award of Merit, University of Arizona, 1960; Distinguished Alumni Award, University of Utah, 1961; Talmage Award, Brigham Young University, 1958; G. N. Lewis Award, 1962; Delye Award, 1962; member, National Academy of Sciences.

AAAS activities: vice president and chairman, Section on Chemistry, 1946; president, Pacific Division, 1959; Council, 1961-; Board of Directors, 1961-65; Committee of Judges, Newcomb Cleveland Prize, 1962-.

Mina S. Rees

Mina S. Rees (mathematics), instructor to professor and dean of faculty, Hunter College, 1926-61; professor and dean of graduate studies, City University of New York, 1961-; technical aide and executive assistant to chief, Applied Mathematics Panel, National Defense Research Committee, Office of Scientific Research and Development, 1943-46; head, Mathematics Branch, Office of Naval Research, 1946-49; director, Mathematical Sciences Division, 1949-53, deputy science director, 1952-53; National Research Council: Mathematics Division, 1953-56, chairman, Subcommittee on Applied Mathematics, Committee on Survey of Research in Mathematics in U.S.A., 1954-56; chairman, Advisory Committee on Mathematics, National Bureau of Standards, 1954-57; Advisory Panel on Mathematics, National Science Foundation, 1955-58; trustee, American Mathematical Society, 1955-59; councilor, New York Academy of Sciences, 1957-60;



Mina S. Rees [Blackstone-Shelburne]

Conference Board of the Mathematical Sciences, 1959–62; Commission on Administration, American Council on Education, 1963–; Advisory Board, School Mathematics Study Group, 1963–; received President's Certificate of Merit, 1948; King's Medal for Service in the Cause of Freedom (British), 1948; First Award for Distinguished Service to Mathematics, 1962.

AAAS activities: vice president and chairman, Section on Mathematics (A), 1954; Council, 1954, 1958–; Committee on the Public Understanding of Science, 1962–63; Board of Directors, 1958–60, 1962–64.

For Board of Directors

H. Burr Steinbach was appointed to the Board in 1963 to complete the remaining months of a term vacated by the resignation of Harrison Brown; the other three nominees have not previously served on the Board of Directors. Two are to be elected for 4-year terms.

David R. Goddard

David R. Goddard, 55 (botany, plant physiology), fellow in botany, University of California, 1929–33; National Research Council fellow, Rockefeller Institute, 1933–35; instructor to professor, University of Rochester, 1935–46, chairman, Department of Botany, 1941–46; professor, University of Pennsylvania, 1946–57, chairman, Department of Botany, 1953–57, director, Division of Biology, 1957–61, Kuemmerle Professor, 1958–, provost, 1961–; Guggenheim fellow, University of Chicago, 1942–43, Cambridge University, 1950; Walker-Ames Professor, University of Washington, 1955; visiting professor, Rockefeller Institute, 1956–63; president, Society of General Physiologists, 1948; trustee, *Biological Abstracts*, 1951–57, president, 1956–57; president, Society for the Study of Development and Growth, 1953; editor-in-chief, *Plant Physiology*, 1953–57, associate editor, 1958–; president, American Society of Plant Physiologists, 1958; consultant, President's Science Advisory Committee, member, Pesticide Panel, chairman, ad hoc Panel on Drug Abuse; National Advisory Council on Health Research Facilities, National Institutes of Health; received Stephen Hales Award, American Society of Plant Physiologists,

1948; Merit Award, Botanical Society of America, 1962; member, National Academy of Sciences.

AAAS activities: Council, 1956–61; Committee on Nominations, 1960–61; committeeman-at-large, Section on Botanical Sciences (G), 1961–; Editorial Board, 1962–; Committee on AAAS Meetings, 1962, chairman, 1963.

Philip Handler

Philip Handler, 46 (biochemistry), junior chemist, U.S. Regional Soybean Byproducts Laboratory, 1937–39; instructor to professor, Duke University School of Medicine, 1939–61, chairman, Department of Biochemistry, 1950–, James B. Duke Professor, 1961–; Panel on Metabolism, Committee on Growth, National Research Council, 1950–53; president, Southeastern Section, Society for Experimental Biology and Medicine, 1951–53; secretary, American Society of Biological Chemists, 1953–58, president, 1962–63; Board of Directors, Federation of American Societies for Experimental Biology, 1952–, Executive Committee of Board, 1959–; National Institutes of Health: chairman, Biochemistry Study Section, 1956–58, chairman, Advisory Committee to NIH and AEC on Radiation and Aging, 1957–60, member National Advisory Health Council, 1958–61, member National Advisory Committee of Research Facilities and Resources, 1963–; National Science Foundation: Biological Research Facilities Panel, 1958–60, Divisional Committee for Biology and Medicine, 1960–62, National Science Board, 1962–; chairman, Award Committee, Osborne-Mendel Award, American Institute of Nutrition, 1959–62; Steering Committee, Biological Sciences Curriculum Study, American Institute of Biological Sciences, 1960–; trustee, Foundation for Advancement of Education in the Sciences, 1960–, Cold Spring Harbor Laboratory for Quantitative Biology, 1962–; Task Force 20, Institute of Defense Analyses, 1961–62.

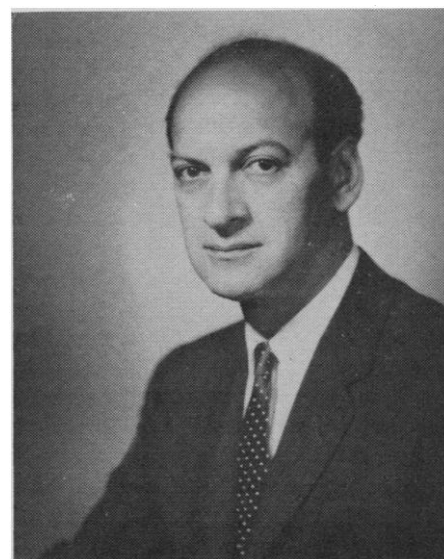
AAAS activities: Committee on AAAS Meetings, 1962–.

Athelstan F. Spilhaus

Athelstan F. Spilhaus, 51 (meteorology, oceanography), research assistant, Massachusetts Institute of Technology, 1933–35; assistant director of technical services, Union of South Africa Defense Forces, 1935–36; research assistant in oceanography, Woods Hole



David R. Goddard



Philip Handler [Fabian Bachrach]



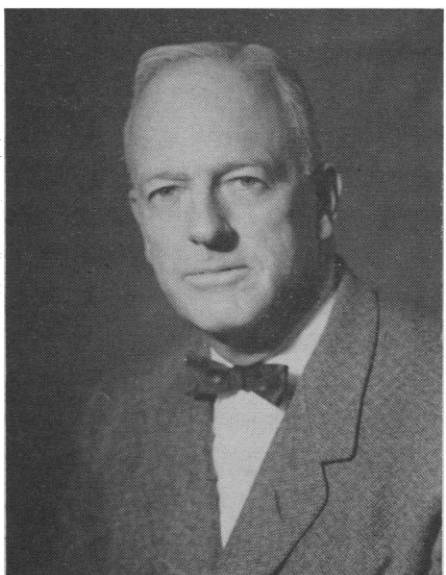
Athelstan F. Spilhaus



H. Burr Steinbach



Harriet B. Creighton



William O. Field [Blackstone-Shelburne, New York]

Oceanographic Institution, 1936-37, investigator in physical oceanography, 1938-; assistant professor of meteorology to professor and director of research, New York University, 1937-48; dean, Institute of Technology, University of Minnesota, 1949-; meteorological adviser to Union of South Africa Government, 1947; Baker Mission to Korea, 1952; U.S. representative to Executive Board, UNESCO, 1954-58; Editorial Board, *The Underwater Yearbook*; U.S. National Committee for the International Geophysical Year; Advisory Panel on General Sciences, Office of the Secretary of Defense; Scientific Advisory Board, U.S. Air Force; Advisory Committee on Weather Services, Department of Commerce; chairman, National Fisheries Center and Aquarium Advisory Board, Department of the Interior; National Academy of Sciences-National Research Council: Committee on Polar Research, Committee on Natural Resources, Pacific Science Board, chairman, Committee on Oceanography, 1961-; Advisory Panel on Specialized Biological Facilities, National Science Foundation; trustee, Woods Hole Oceanographic Institution, International Oceanographic Institution, Pacific Science Center Foundation; U.S. Commissioner, Seattle World's Fair, 1961-62; chairman, Scientific Advisory Committee, American Newspaper Publishers Association; author of "Our New Age" Sunday illustrated feature; received Legion of Merit, U.S. Air Force, 1946; Exceptional Civilian Service Medal, U.S. Air Force, 1952; Patriotic Civilian Service Award, Department of the Army, 1959.

H. Burr Steinbach

H. Burr Steinbach, 57 (zoology, physiology), assistant in physiology and biochemistry, Brown University, 1928-30; instructor in zoology, University of Pennsylvania, 1930-33; National Research Council fellow, University of Chicago, 1933-34; instructor to assistant professor, University of Minnesota, 1935-38; assistant professor, Columbia University, 1938-42; associate professor to professor, Washington University, 1942-47; professor, University of Minnesota, 1947-57; professor and chairman of Department, University of Chicago, 1957-; assistant director, National Science Foundation, 1953-54; visiting professor University of Hawaii, 1963; managing editor, *Biological Bulletin*, 1942-50; served on editorial boards of *American Journal of Physiology*, *AIBS Bulletin*, *Physiological Zoology*; member of the Corporation, Woods Hole Oceanographic Institution; trustee, Marine Biological Laboratory; charter Council member, Biophysical Society; president, Society for General Physiologists, 1956-57; president, American Society of Zoologists, 1958-59; AIBS Curriculum Study Committee, 1958-62; chairman, Division of Biology and Agriculture, National Research Council, 1958-62; member, Heart Council, National Institutes of Health, 1959-; consultant, President's Science Advisory Committee and Office of Science and Technology; President's Special Committee on Heart Disease and Cancer.

AAAS activities: Council, 1953-54, 1957, 1963; Committee on AAAS Research Grants, 1954-58; Editorial Board, 1958-; committeeman-at-large, Section on Zoological Sciences (F), 1961-; Board of Directors, 1963.

For Committee on Council Affairs

At the end of 1963, William A. Wildhack will have completed a 3-year term on the Committee on Council Affairs; none of the other nominees has previously served on that committee. Three are to be elected for 3-year terms and one for a period of one year (1964) to complete the term vacated by the resignation of Stanley A. Cain.

Harriet B. Creighton

Harriet B. Creighton, 54 (botany), assistant in botany, Cornell University, 1929-32, instructor in cytology, 1932-34; instructor in botany, Connecticut College, 1934-38, assistant professor, 1939-40; associate professor, Wellesley College, 1940-52, professor, 1952-; Fulbright lecturer in genetics, University of Western Australia and University of Adelaide, Australia, 1952-53, University of Cuzco, Peru, 1959-60; secretary, Botanical Society of America, 1950-54, vice president, 1955, president, 1956.

AAAS activities: Council, 1960-63; secretary, Section on Botanical Sciences (G), 1960-63.

William O. Field

William O. Field, 59 (geography), joined American Geographical Society, 1940, head, Department of Exploration and Field Research, 1947-, project director of World Data Center A for Glaciology, 1957-; American Geophysical Union: Committee on

Glaciers, Section of Hydrology, 1931–57, 1961–63, chairman, 1948–54, Committee on Status and Needs, Section of Hydrology, 1963; chairman, Glaciology Panel, U.S. National Committee for the International Geophysical Year, 1955–58; National Academy of Sciences–National Research Council: Committee on Polar Research, 1958–, ad hoc Committee on International Programs in Atmospheric Sciences and Hydrology, 1962–63; vice-president, Commission of Snow and Ice, International Association of Scientific Hydrology, International Union of Geodesy and Geophysics, 1960–63. AAAS activities: Council, 1962–.

Robert C. Miller

Robert C. Miller, 64 (zoology), research associate, University of California, 1923–24; assistant professor to professor, University of Washington, 1924–38; director, California Academy of Sciences, 1938–; visiting professor, Lingnan University, China, 1929–31; president, Western Society of Naturalists, 1936; president, Cooper Ornithological Society, 1943–45; California State Marine Research Committee, 1948–56.

AAAS activities: secretary-treasurer, Pacific Division, 1944–; Council, 1951–; Committee on Agenda and Resolutions, 1959–60; president, Academy Conference, 1961.

Herbert B. Nichols

Herbert B. Nichols, 55 (botany, science journalism), natural science editor, *Christian Science Monitor*, 1930–49; information officer, U.S. Geological Survey, 1949–62; information officer, Division of Research Facilities and Resources, National Institutes of Health, 1962–; manager of public information, General Electric Research Laboratory, 1944–45; vice president, National Association of Science Writers, 1939, president, 1947; Board of Editorial Advisers, American Chemical Society, 1956–59; U.S. Antarctic expedition to Weddell Sea, 1956–57, and to Bellingshausen Sea, 1960; received Westinghouse Medal, 1946.

AAAS activities: Council, 1948–; ad hoc Committee on the Formation of Section on Information and Communication (T), 1961.

Henry M. O'Bryan

Henry M. O'Bryan, 58 (physics), Ward fellow in Biophysics, Northwestern University, 1927–28; instructor, Johns Hopkins University, 1930–



Robert C. Miller

31; instructor in physics and research, Massachusetts Institute of Technology, 1931–34; instructor, Harvard University, 1934–36; Wills fellow, University of Bristol, England, 1937–38; associate professor, Georgetown University, 1938–41; physicist, Naval Ordnance Laboratory, 1940–43; director of research, Baird Associates, 1944–47; Research and Development Board, Department of Defense, 1947–51; manager, physics laboratory, Sylvania Electric Products, 1951–55, scientific liaison, 1955–60, and General Telephone and Electronics Laboratories, 1960–61; scientific assistant to the vice president-engineering and research, Bendix Corporation, 1961–.

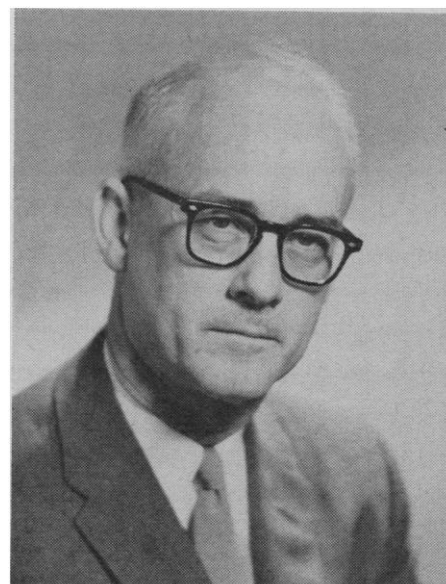
AAAS activities: Council, 1958–; chairman, Council Study Committee on Administration of Scientific Work, 1961–62.

Frederick D. Rossini

Frederick D. Rossini, 64 (physical chemistry), assistant chemist to chief, Section on Thermochemistry and Hydrocarbons, National Bureau of Standards, 1928–50; professor, head, Department of Chemistry, and director, Chemical and Petroleum Research Laboratory, Carnegie Institute of Technology, 1950–60; dean, College of Science, associate dean, Graduate School, and chairman, Research Council, University of Notre Dame, 1960–; Editorial Board, *Journal of the American Chemical Society*, 1946–56; president, Washington Academy of Sciences, 1948; International Union of Pure and Applied Chemistry: chairman, Commission on Thermochemistry, 1948–51, chairman, Commission



Herbert B. Nichols



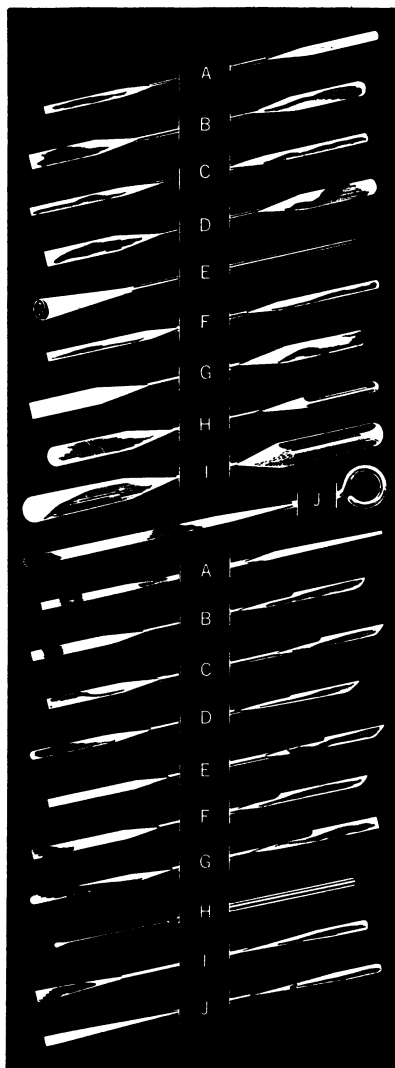
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D	One square — One rounded	125 x 5
E	One rounded, bent — One handle	130 x 6
F	One rounded — One square	150 x 3
G	One rounded — One square	150 x 5
H	One shovel type — One rounded	130 x 4(1)
I	One shovel type — One rounded	150 x 8(2)
J	One rounded — One ring handle	250 x 5

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C	One square — One knife	150 x 3
D	One rounded, bent — One knife	150 x 4
E	One rounded — One knife	180 x 4
F	One rounded — One knife	200 x 4
G	One rounded — One "chopper"	200 x 4
H	One short, rounded — One round handle	140 x 2
I	One spoon — One square	160 x 3
J	One spoon — One square	210 x 3

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on Chemical Thermodynamics, 1951–61; American Chemical Society: chairman, Committee on Constitution and By-laws, 1949–50, chairman, Division of Petroleum Chemistry, 1954; Sigma Xi: Executive Committee, 1953–58, president, 1963–64; National Academy of Sciences–National Research Council: chairman, Division of Chemistry and Chemical Technology, 1955–58, member, Executive Committee, 1958–60, chairman, Executive Committee of the Office of Critical Tables, 1963–; National Science Foundation: Committee for the Division of Mathematical, Physical and Engineering Sciences, 1955–59, Advisory Panel for Graduate-Level Research Facilities in the Physical Sciences, 1959–62; president, Albertus Magnus Guild, 1961–; received Hillebrand Award, Chemical Society of Washington, 1934; Gold Medal Exceptional Service Award, Department of Commerce, 1950; Pittsburgh Award, American Chemical Society, 1959; member, National Academy of Sciences.

AAAS activities: Council, 1951–52, 1963–.

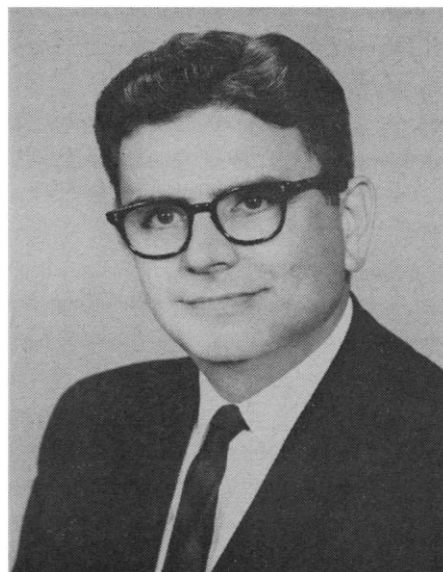
Randall M. Whaley

Randall M. Whaley, 48 (physics), instructor to professor, Purdue University, 1945–60, associate dean, School of Science, Education and Humanities and acting research director, Research Foundation, 1959–60; vice president for graduate studies and research, Wayne State University, 1960–; Board of Directors, Midwestern Universities Research Association, 1955–57; National Academy of Sciences–National Research Council: executive director, Advisory Board on Education, 1957–59, chairman, Committee on Laboratory Science in South-East Asia, Office of Scientific Personnel, 1960–62; president, American Science Film Association, 1961–; vice president, International Scientific Film Association, 1962–; trustee, Cranbrook Institute of Science, 1962–.

AAAS activities: Council, 1961–; chairman, Council Study Committee on Graduate Science Education and Standards, 1961–.

William A. Wildhack

William A. Wildhack, 55 (physics), assistant in physics, University of Colorado, 1931–34; instructor, engineering and mathematics, Boise Junior College, 1934–35; physicist to special assistant to director, National Bureau



Randall M. Whaley

of Standards, 1935–61, associate director, 1961–; Editorial Board, *Review of Scientific Instruments*; chairman, Committee on Scientific Equipment, National Research Council, 1947–52; vice president, Instrument Society of America, 1951, secretary, 1953, president, 1954, first fellow, 1960; chairman, Data Processing Committee, U.S. National Committee for the International Geophysical Year, 1956; editor, Engineering and Instrumentation Section, *NBS Journal of Research*, 1959–62; general chairman, International Symposium on Temperature, 1961; Panel on Exchange of Scientific Information and Materials, U.S.–Japan Committee on Scientific Cooperation, 1962–; general chairman, International Symposium on Humidity and Moisture, 1963; chairman, U.S.



William A. Wildhack

Delegation, U.S.-U.S.S.R. Metrology Exchange, 1963; received Medal, Royal Swedish Academy of Engineering Sciences, 1949.

AAAS activities: chairman, Gordon Research Conference on Instrumentation, 1953; Council, 1954-; chairman, Council Agenda and Resolutions Committee, 1958; chairman, Committee on Council Activities and Organization, 1959-60; Committee on Council Affairs, 1961-63.

Southwestern and Rocky Mountain Division

The Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science held its 39th annual meeting in Albuquerque, N.M., 28 April to 2 May, 1963.

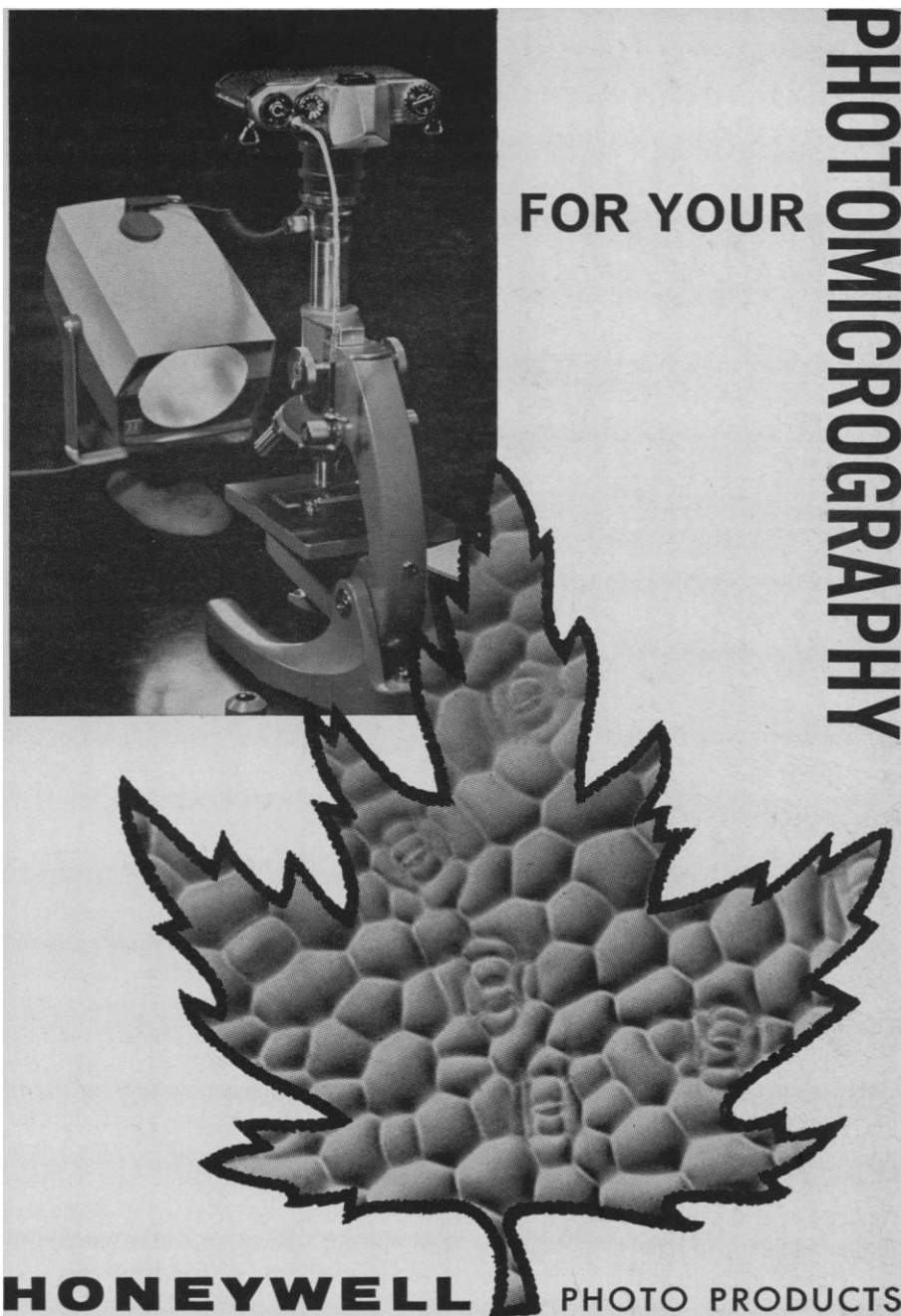
Eighty individual research papers were included on the programs of the sections of the division, and 12 reports were made on undergraduate research projects by student members of Beta Beta Beta, which held a concurrent district meeting.

Special symposiums consisting of invited papers included "Aridity and man," under the sponsorship of the Committee on Desert and Arid Zones Research, and "Improvement of science teaching," sponsored by the divisional committee concerned with subject.

The 30th John Wesley Powell memorial lecture, a public event featured in each year's meetings of the division, was given by Kirtley F. Mather on "The earth sciences in the sixties."

In an address at the opening session of the meetings, Alan T. Waterman, president of the Association, delivered a very penetrating analysis of "The national and regional role of the AAAS."

Anton H. Berkman, president of the division, diverted from the usual pattern of a presidential address and conducted a panel discussion on the challenge to the division of arid land studies. Members of the Committee on Desert and Arid Zones Research made up the panel. The president's program was further featured by the presentation of the first annual award of a certificate of merit for outstanding contributions in the field of arid zones progress. This award was made posthumously to Clayton W. Botkin, a past president of the division, and was accepted in his name by his son Charles Botkin.



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