

of the AAAS in 1937, the journals, *SCIENCE* and the *SCIENTIFIC MONTHLY*, were still the property of Dr. J. McKeen Cattell. When the Association took over these journals, the editorial and financial burdens were great. The AAAS had no office space of its own in Washington in 1937; it was the guest of the Smithsonian Institution. The acquisition of the present quarters on Massachusetts Avenue called for careful planning and much work to raise funds. In 1937, the direct membership of the Association was less than 20,000. When Dr. Moulton retired from the Washington office in 1946, the direct membership had reached 43,000, largely the result of his plans and efforts. The scientific conferences, symposia, and publications (20 volumes) were other burdens on Dr. Moulton's active mind, and so were the efforts to make the Annual Meeting of the Association a more and more significant contribution to the advancement of science and human welfare.

Dr. Moulton's former students in the University of

Chicago agree that he was a great teacher. This is also indicated in the last sentence of his chapter on astronomy, written for college freshmen in 1926: "The orderliness of the universe is the supreme discovery in science; it is that which gives us hope that we shall be able to understand not only the exterior world but also our own bodies and our own minds." And this last sentence of his 1937 chapter, directed to all adult citizens: "Though science has placed us on an eminence from which we see very far beyond our horizon there still lies a challenge unknown." His achievements, his integrity, and his industry were recognized by honorary degrees awarded him by several colleges; by early (1910) election to membership in the National Academy of Sciences and as a Fellow of the Royal Astronomical Society of Great Britain.

Colleagues who knew Dr. Moulton most intimately over many of his 80 years will agree that he was a man of outstanding ability, integrity, and industry; that he devoted his life to science and human welfare.



News and Notes

National Entomological Societies Merge

ON January 1, 1953, the two national entomological societies, the former Entomological Society of America and the American Association of Economic Entomologists, were united. The resultant single society, representing all phases of the science of entomology, has taken the appropriate name, The Entomological Society of America. Each of the amalgamating societies brings a distinguished reputation into the new organization.

With entomologists of the state agricultural experiment stations taking the initiative, the American Association of Economic Entomologists was organized at a meeting in Toronto, Canada, in 1889. The Entomological Society of America was organized in 1906 in response to a need for a society in which emphasis would be placed on non-economic phases of entomology. Professor J. H. Comstock, of Cornell University, himself a charter member of the Association, was chosen as the first president of the Entomological Society; and the two societies have held what were to all intents and purposes joint meetings every year, with the exception of 1942 when conditions resulting from the war caused omission of the annual meetings, and 1945 when the Association met at Dallas, Texas, and the Entomological Society met with the American Association for the Advancement of Science at St. Louis, Missouri.

Although the two organizations had supposedly different interests, it was apparent from the beginning that in reality these interests overlapped widely; and as time passed, it became increasingly evident that no

clear line of demarcation between the two fields could be recognized. Merger of the two societies was considered many years earlier, but it was not until 1949 that a serious effort in that direction was undertaken. That year each society appointed a committee of three men to consider the feasibility of such a merger and to make recommendations to their respective societies. After presenting preliminary reports in favor of amalgamation at the Tampa, Florida, meetings in December, 1949, the two committees were continued as a joint committee to draw up a proposed constitution and by-laws, which were presented to the membership of each society at Denver, Colorado, in December, 1950, together with recommendations for procedure to effect the amalgamation. After due deliberation the merger proposal was submitted, by mail, to the membership of each society early in 1951. Ratification required a favorable vote by a two-thirds majority of the membership of each organization. The Association, in 1951, and the Society, in 1952, voted to ratify the new constitution, making it possible for the newly constituted Entomological Society of America to begin functioning as of January 1, 1953.

During the current year an Interim Governing Board, composed of the Executive Committees of the two former organizations, is conducting the affairs of the Society, and a full-time Executive Secretary will be selected by the Board. Dr. Charles E. Palm, of Cornell University, is President of the Society for 1953, and Herbert H. Ross, of the Illinois State Natural History Survey, is President-Elect. The Constitution provides that the President-Elect shall serve in that capacity for one year and is then to become Presi-

dent. In 1953 a President-Elect, for 1954, and the Governing Board will be chosen by members of the various Branches and Sections, in accordance with prescribed procedures.

The Society will continue to publish the *Annals of the Entomological Society of America* and the *Journal of Economic Entomology*. Each of these journals will appear in its forty-sixth volume in 1953. The Index of American Economic Entomology and Memoirs of the Thomas Say Foundations will continue to be published intermittently. *Entoma*, a directory of insect and plant disease control, will be continued, and a new monthly Bulletin, to contain current items of general interest, will also be issued.

The amalgamation should result in a society even stronger than the sum of its component parts, a society that can give effective support not only to all aspects of applied entomology but also to research in such fundamental fields as insect physiology, taxonomy, toxicology, bionomics and insecticidal chemistry. It will serve the interests of all entomological fields with a greater singleness of purpose and will enhance the already considerable reputation of the science.

C. F. W. MUESEBECK

*Bureau of Entomology and Plant Quarantine
U. S. Department of Agriculture
Washington, D. C.*

Scientists in the News

Ernst A. Bessey, professor of botany at Michigan State College, is visiting professor in the Department of Plant Pathology at Cornell University during May. Dr. Bessey will lecture on the phylogeny of the fungi, and on European botanists and early U. S. Department of Agriculture plant pathologists, and participate in mycology field trips and conferences.

Bernard J. Brent has joined Reed & Carnrick as director of research. Dr. Brent formerly was director of the Endocrine Division of Warner-Hudnut, Inc., and vice president of Organon, Inc. For the past seven years, he has been honorary professor of endocrinology in the Department of Pharmacology at Rutgers University.

James E. Canright has been awarded a one year grant from the Penrose Fund of the American Philosophical Society for his research project entitled "The Phylogenetic Significance of the Floral Morphology and Seedling Anatomy of the Annonaceae."

Marvin Carmack, Professor of Chemistry at the University of Pennsylvania, has been appointed Professor of Chemistry at Indiana University, effective July 1.

Yun Ti Chen, who has been doing postgraduate work on the stability of co-ordination compounds at Northwestern University, has joined the research staff of the National Aluminate Corporation.

E. J. Crane, editor for the past 39 years of *Chemical Abstracts*, has won the Austin M. Patterson Award of the American Chemical Society's Dayton Section. In addition to his leadership in chemical literature, Dr. Crane has had a prominent part in the development of chemical terminology as chairman of the ACS's Committee on Nomenclature, Spelling and Pronunciation.

Lewis W. Douglas, former Ambassador to Britain, was named chairman of a mid-century conference on the evaluation and long-range use of the country's natural resources, to be held in the late fall. Vice-chairmen will be **Karl T. Compton** of MIT, **Lewis W. Jones** of Rutgers, and **Herman W. Steinkraus** of the Bridgeport Brass Company.

Pol Duwez, Professor of Mechanical Engineering at the California Institute of Technology, has left on a five-week mission in western Europe for the U. S. Air Force. Dr. Duwez will help set up a program under which the Office of Air Research and Development Command will sponsor basic research by western European scientists. He will visit Belgium, France, Italy, Holland, and England to inspect scientific and technical institutions which will participate.

Abraham S. Friedman, formerly research associate at the Cryogenics Laboratory of Ohio State University and Fulbright fellow at the University of Amsterdam, has joined the Thermodynamics Section of the National Bureau of Standards. Dr. Friedman will head a group of scientists investigating the properties of various deuterium compounds.

A. R. Gordon will become dean of the School of Graduate Studies at the University of Toronto on July 1. Dr. Gordon will succeed the late **Harold Innis**, and will continue as director of the Chemistry Department.

J. A. Gray has been honored by a special issue of the *Canadian Journal of Physics* (Feb. 1953), dedicated by his friends and former students as a tribute on the occasion of his retirement as Chown Research Professor of Physics, Queen's University, Kingston, Ontario.

Beno Gutenberg, Director of the Seismological Laboratory, California Institute of Technology, has been named recipient of the William Bowie Medal by the American Geophysical Union.

Chester I. Hall has retired after 34 years with General Electric. Mr. Hall has been the inventor of 139 patented devices, all of them of importance to everyday living. His contributions have been in the fields of refrigerator controls, synchronous time systems, aircraft and marine engines, dairy equipment, and motor starters.

Peter Hosler and **Frederick W. Kavanagh** have joined Eli Lilly and Company as biochemists in the Antibiotics Manufacturing and Development Division.

Roland T. Lakey will retire at the end of the present semester as dean of the Wayne University College of Pharmacy.

Aaron A. Levin has been appointed director of research and development for the Zenith Optical Company Division of Polan Industries Incorporated of Huntington, W. Va. Dr. Levin was formerly with the Scientific Bureau of Bausch and Lomb.

Herman Mark, head of the Division of Polymer Chemistry, Polytechnic Institute of Brooklyn, will receive the 1953 Honor Scroll of the New York Chapter of the American Institute of Chemists. Dr. Mark will be honored as teacher, scientist and researcher.

Emil Ott, director of research for Hercules Powder Company of Wilmington, Del., has been elected president of the American Section, Société de Chimie Industrielle. Dr. Ott's presidency will succeed that of **Worth Wade** of American Viscose Corporation.

Charles B. Spencer, president of Spencer, White & Prentiss of New York, has been named this year's winner of the Eggleston Medal, given by Columbia University's Engineering Alumni Association.

Bjorn Vestergaard, Danish psychiatrist, has been appointed as research scientist to the staff of a special research project at Rockland State Hospital, New York. Dr. Vestergaard's work will be concerned with the relationship of hormones to mental disease.

Charles L. Walker, who has been an associate in the Bacteriology Department, University of California, since 1950, has joined the technical staff of National Aluminate Corporation to do research in industrial microbiology.

Education

The Department of Anthropology of **Auckland University College**, N. Z., has reported as follows on the 1952 research of its staff: **Ralph Piddington** and **B. G. Biggs** made survey tours of Maori communities in Northland and the Rotorua-Te Whaiti area to select possible communities for intensive study. Mr. Biggs also completed the first of his annotated translations of unpublished manuscripts of Sir George Grey, to appear in the *Journal of the Polynesian Society*, a Maori reader, and tape recordings of Maori dialects. **W. R. Geddes** completed a report on the Sadong Dayaks of Sarawak and is engaged in a study of Maori social structure in pre-European times. **Donald Marshall** surveyed research problems in Western Samoa and the Cook Islands on an expedition of the Peabody Museum of Salem. **Helene Newbrand** is continuing a phonemic analysis of Maori in the Bay of Plenty area after work at Te Kao.

Commemorating the fiftieth anniversary of plant pathology in the **University of California**, an All-University Plant Pathology Conference was held at Berkeley in April to consider problems of mutual im-

portance on the Los Angeles, Riverside, Davis, and Berkeley campuses. The occasion served to honor professor of plant pathology, emeritus, **Ralph E. Smith** who on April 1, 1903, came to the University of California as assistant professor of plant pathology. His arrival marked the establishment of the first permanent, independent department of plant pathology in an American university.

New administrative responsibilities have been assigned to staff members of the Experimental Towing Tank Laboratory of **Stevens Institute of Technology**. **Hugh W. MacDonald**, formerly executive director, has been named deputy director to **Kenneth S. M. Davidson**, who remains as director. Advanced to assistant directors to join **Allan B. Murray**, assistant director, Industrial Research and Plant Operations, were **Wilfred C. Hugli**, plans and coordination; **John B. Drisko**, research services; and **George R. Morris**, business and finance. **Alice Winzer**, formerly research attaché at the French National Research Center in Paris, was appointed to conduct mathematical studies of problems in hydrodynamics.

Grants and Fellowships

The **Conference of State and Provincial Public Health Laboratory Directors** invites nomination of candidates for the Kimble Methodology Research Award to be granted at its annual meeting for either: "A fundamental contribution which serves as a baseline for development of diagnostic methods which fall within the province of the public health laboratory" or "The adaptation of a fundamental contribution to make it of use in a diagnostic laboratory." Rules and nomination blanks may be obtained from: **F. C. Lawler**, Vermont Department of Health, 2 Colchester Ave., Burlington, Vt.; or **Henry Bauer**, Minnesota Department of Health, University Campus, Minneapolis 14, Minn.

George Washington University will conduct a study of the effects of aureomycin, terramycin, and penicillin on cancer, when they are used in conjunction with mustard drugs and x-ray treatments. Two grants, totaling \$21,271, have been received for this work, from American Cyanamid Company and the Charles Pfizer Company.

Hahnemann Medical College and Hospital announce the following research grants: \$2000 from the National Drug Co. to the Department of Medicine for a study of trypsin in vascular occlusion; \$9000 from the Atomic Energy Commission to supplement a previous grant for studies on radiation burns; \$5000 from Homemakers Products Corporation to the Division of Pediatrics and Women for research on certain of their products; \$5000 from the Office of Naval Research for work on the relationship of methionine to brain metabolism; \$4185 from the Microbiological Institute; \$6600 from the National Cancer Institute; \$11,996 from the Office of Naval Research for virus research;

\$5610 from the National Institutes of Health; and \$4285 from the Ames Company for clinical research in Decholin.

A prize of \$1000, donated by the **Kappa Delta Sorority**, will be awarded annually by the American Academy of Orthopaedic Surgeons for the best research related to orthopaedic surgery and performed by an American citizen in the U. S. Selection will be made from publications after Jan. 1, 1951, or research presented to the Academy's Committee on Scientific Investigation before *Nov. 1*. Information may be obtained from Dr. John J. Fahey, 1791 W. Howard St., Chicago 26.

The **National Science Foundation** has awarded to U. S. citizens 556 graduate fellowships in the natural sciences for the academic year 1953-54. The successful fellows were selected from 3298 applications from all parts of the continental U. S., Hawaii, and Puerto Rico. In addition, the foundation named 1274 applicants to an honorable mention list, which will be forwarded to the fellowship offices of U. S. graduate schools. The list of fellowship winners includes 515 predoctoral candidates and 41 postdoctoral. All fellows were selected on the basis of ability, with awards made in cases of substantially equal ability, so as to result in a wide geographical distribution. The list includes 175 winners who were awarded fellowships for the current academic year. It is expected that the announcement concerning National Science Foundation graduate fellowships for 1954-1955 will be made about Oct. 1.

Rockefeller Foundation grants for the first quarter of 1953 included \$250,000 to Stanford University for experimental biology; \$125,000 to the University of Pennsylvania for research in zoology; \$500,000 to the Medical School of the American University of Beirut; \$64,900 to Cornell for studies in underdeveloped areas; and \$121,000 to the Indian Council of Medical Research. Other grants were made to foreign universities and hospitals and to individuals and institutions in the form of fellowships.

Meetings and Elections

The **American Geophysical Union** has elected the following officers, to serve until June 30, 1956; president, James B. Macelwane, St. Louis University; vice president, Maurice Ewing, Columbia University, Palisades, N. Y.; general secretary, John P. Marble, National Research Council, Washington, D. C.

Officers of the **American Oil Chemists' Society**, to serve until May, 1954, are: president, Procter Thomson, Procter and Gamble Company, Cincinnati; vice president, Charles E. Morris, Armour and Company, Chicago; secretary, T. H. Hopper, Southern Regional Research Laboratory, New Orleans; treasurer, A. F. Kapecki, Wurster and Sanger, Inc., Chicago. Members-at-large, to serve on the governing board, include H. C. Black, J. C. Konen, and W. A. Peterson.

The **Centre National de la Recherche Scientifique**, with the aid of the Rockefeller Foundation, will hold a symposium, entitled "Geometrie Differentielle," in Strasbourg, May 26-June 1. Invited participants will include: A. Weil and S. S. Chern, University of Chicago; J. L. Koszul and C. Ereshmann, University of Strasbourg; L. Schwartz, University of Paris; G. Reeb, Institut Fourier, Grenoble; René Thom, Montbéliard; P. Libermann, Institut de Mathématiques, Strasbourg; A. Lichnerowicz, Collège de France, Paris; N. H. Kuiper, Landbouwhogeschool, Holland; E. T. Davies, University of Southampton; Beno Eckmann, Ecole Polytechnique Fédérale, Zurich; Dr. Dedecker, Université Libre de Bruxelles; Erhard Heinz, Institut de Mathématiques, Göttingen; and Dr. Willmore, University of Durham.

The **General Electric Company** and the Eastern New York Section of the **American Chemical Society** will be hosts for the 1953 joint summer symposium of the Division of Physical and Inorganic Chemistry of the American Chemical Society and the Solid State Division of the American Physical Society. The symposium will be held June 16-18 at the Research Laboratory of the General Electric Company, Schenectady.

The **National Academy of Sciences** has elected George W. Corner, Carnegie Institution of Washington, Baltimore, as vice president. Edwin B. Wilson, Harvard School of Public Health, Boston, and Hugh L. Dryden, National Advisory Committee for Aeronautics, Washington, D. C., were elected to the Council of the Academy. Newly elected members of the Academy include: L. V. Ahlfors, Harvard; Percival Bailey, University of Illinois School of Medicine, Chicago; H. A. Barker, University of California, Berkeley; V. H. Benioff, California Institute of Technology; J. H. Bodine, University of Iowa; Leon Brillouin, IBM; M. J. Buerger, MIT; H. E. Carter, University of Illinois; D. M. Dennison, University of Michigan; J. P. Den Hartog, MIT; J. W. M. Dumond, Cal Tech; Carl Eckart, University of California, San Diego; R. Emerson, University of Illinois; J. F. Enders, Children's Hospital, Boston; P. J. Flory, Cornell; George Gamow, George Washington University, Washington, D. C.; Viktor Hamburger, Washington University, St. Louis; C. E. Hille, Yale; J. O. Hirschfelder, University of Wisconsin; J. G. Horsfall, Connecticut Agricultural Experiment Station, New Haven; E. H. Land, Polaroid Corporation, Cambridge, Mass.; D. P. C. Lloyd, Rockefeller Institute for Medical Research, New York; H. W. Nissen, Yerkes Laboratories of Primate Biology, Orange Park, Fla.; David Rittenberg, Columbia; J. F. Schairer, Carnegie Institution, Washington, D. C.; Theodore Shedlovsky, Rockefeller Institute for Medical Research, New York; J. C. Street, Harvard; Max Tishler, Merck and Company; H. G. Wood, Western Reserve University; R. B. Woodward, Harvard. Foreign Associates appointed were Jan Hendrik Oort, Observatory of Leiden, and Wilder Penfield, McGill University and Montreal Neurological Institute.

Sections of the **National Association of Corrosion Engineers** have been organized at Toronto and at Hamilton-Niagara. T. R. B. Watson of Corrosion Service, Ltd., Toronto, has been named chairman of the Toronto Section, and C. F. Makepeace of Page Hersey Tubes, Ltd., Welland, Ont., chairman of the Hamilton-Niagara Section.

A conference on "The Status of Multiple Sclerosis," sponsored by the **New York Academy of Sciences** and the **National Multiple Sclerosis Society**, was held in April in New York. Organized under the direction of H. R. Wainerdi and presided over by Pearce Bailey, director of the National Institute of Neurological Diseases and Blindness of the National Institutes of Health, the conference featured 33 eminent investigators reporting on recent research into the causes and control of the disease.

Members-at-large of the **Society of the Sigma Xi** from three different Illinois organizations joined forces with the installation of the Galesburg-Knox-Monmouth RESA Club at the Galesburg State Research Hospital. Officers of the new club are: president, Shannon C. Allen, State Research Hospital; secretary, Garrett W. Thiessen, Monmouth College; and treasurer, Curtis B. Coleman, Knox College.

The First Western Hemisphere Conference of the **World Medical Association** was held at Richmond, Va., in April, with representatives of 20 American countries in attendance. Delegates included heads of national medical associations, ministers of public health, medical college presidents and editors of national medical journals. Twenty special guest participants, covering the range of medical practice in the United States and reporting on subjects ranging from surgery of the heart and blood vessels to the use of atomic particles in cancer, took part in a series of panel discussions.

Miscellaneous

Establishment by the **American Council on Education** of a Commission on Instruction and Evaluation, with responsibility for planning and reviewing the council's activities relating to teaching and educational evaluation, has been announced. T. Raymond McConnell, Chancellor of the University of Buffalo, is chairman.

Nine electrical engineers have been elected fellows of the **American Institute of Electrical Engineers** by its Board of Directors. Those honored were: J. W. Allen, Bendix Aviation Corporation, Teterboro, N. J.; A. G. Clavier, Federal Telecommunication Laboratories, Inc., Nutley, N. J.; A. A. Nims, Newark College of Engineering; K. M. Smith, J. C. Woods, and W. W. Wishard, Commonwealth Edison Company, Chicago; M. H. Pratt, Niagara Mohawk Power Corporation, West Syracuse, N. Y.; G. B. Scheer, Kaiser Industries, Oakland, Calif.; and Demitri Trone, General Electric Company, Rio de Janeiro.

An eight months' expedition to Africa to collect mammals, birds, and anthropological specimens has been undertaken for the **American Museum of Natural History**, under the direction of Colonel and Mrs. William J. Morden. Thomas J. Larson, graduate student of the University of California, will be expedition anthropologist, and George W. McClellan will act as general assistant.

The Philosophy of Science Group of the **British Society for the History of Science** offers a prize of \$50, open to all, for the best essay of not more than 4000 words on "What is the logical and scientific status of the concept of the temporal origin and age of the universe?" Information may be secured from the Hon. Secretary of the Philosophy of Science Group, University College, Gower St., London, W. C. 1.

J. Griffiths Davies, Associate Chief of the **Commonwealth Scientific and Industrial Research Organization**, Melbourne, has stated that the recent transformation of poor scrub land in Australia to productive pasture is only a prelude to similar improvement throughout all better rainfall areas. Opportunities for development of about 340 million acres of unimproved land in Australia are being revealed by research into deficiencies of the trace elements, such as copper, zinc, molybdenum, and cobalt.

Columbia University's **Lamont Geological Observatory** has launched a two-month expedition to the Gulf of Mexico with twelve scientists and technicians aboard the schooner *Vema*. They will investigate the possibility of an underwater canyon discovered by Columbia geologists last summer. They will also check sediments from the bottom of the gulf to determine whether the bottom was ever above water.

Chemicals wanted by the **Registry of Rare Chemicals**, 35 West 33rd St., Chicago 16, Ill., include: molybdenum carbonyl; isophthalaldehyde; thiobenzoic acid; 3,4,5-trichlorobenzaldehyde; methyl α -benzylacrylate; trinaphthylmethane; 3-fluorophenylalanine; 3,3-dichloropropene-1; 2-cyanobutadiene-1,3; 2,6-dimethylheptanetriol-2,4,6; 5,5'-dichloro-6,6'-dimethylindigo; 1-methyl-4-methylglyoxaline; 1-methyl-5-cyanomethylimidazole; 2,6-dichlorodiphenylamine; camphane aldehyde; vulbocarpine; hypertensinogen; perillaldehyde; quercetagenin; and daidzin.

An internationally recruited team of medical scientists left Geneva Headquarters of the **World Health Organization** recently for a seven-week visit to Indonesia. Under the chairmanship of Arvid Wallgren, professor of pediatrics, Royal Carolina Institute, University of Stockholm, the team will work with their Indonesian counterparts in hospital and university departments. There will also be group discussions, lectures, films, and demonstrations.

ERRATUM. The Dr. Howard Sloan Memorial Grant was erroneously mentioned as given for the benefit of the University of Chicago Medical School (*SCIENCE*, 117, 446). The grant was given to The Chicago Medical School, 710 S. Wolcott Ave., Chicago.