

It would be difficult to lodge the power of a national organization in a more representative and democratically elected body than the AAAS Council.

Not only are members of the Council democratically elected, but they represent all the special fields of science of the 115 societies which appoint them. The Coun-

cil has fulfilled its obligation to speak on behalf of scientists on many occasions, most recently on legislation affecting a proposed National Science Foundation.

As the products of scientific minds exert more influence in world affairs, the responsibilities of the Association increase. With firm purpose it is serving to

facilitate cooperation among scientists, improve the effectiveness of science in the promotion of human welfare, and increase public understanding and appreciation of the importance and promise of the methods of science in human progress.

[This sketch will appear in the General Program for the Chicago Meeting.]

NEWS and Notes

The First International Salon, "Photography in Science," sponsored by *The Scientific Monthly* and the Smithsonian Institution, is under way. For judging on October 27 competitors from 30 states and three foreign countries submitted 361 prints—243 in the black-and-white division and 118 in the color division. Most of them are being shown during November in the northwest gallery of the Arts and Industries Building, Smithsonian Institution. They will be shown again at the International Science exhibition, Chicago meeting of the AAAS, December 26 through 31. Later they may be seen at the Buhl Planetarium, Pittsburgh, and at the Cranbrook Institute of Science, Bloomfield Hills, Michigan.

The prints exhibited show novel application of photography in physical and biological research and excellent examples of photography for conventional scientific purposes. In the color division first place was awarded to Thomas C. Poulter, Armour Research Foundation; second, to Albert M. Stover, Glenn L. Martin Company; third, to Ralph O. Marts, Forest Products Laboratory. In the black-and-white division first place went to Edwin R. Willis, The Ohio State University; second, to V. P. Hollis, University of Minnesota; third, to H. U. Rhoads, Lambert Pharmacal Company.

Five entries were awarded honorable mention in each division: color—Jane K. Glaser, Argonne National Laboratory; Inez V. deGruy, Southern Regional Research Laboratory (two entries); Alice Elizabeth Sutherland, Callaway Mills; Bradford B. Underhill, Pennsylvania State College; black-and-white—Frank H. J. Figge, University of Maryland, and Thomas Carver, Harvard University, collaborating at Woods Hole; H. Lou Gibson, Eastman Kodak Company; F. A. Hamm, General Aniline & Film Corporation; Cornelius B. Philips and N. J. Kramis, Rocky Mountain Laboratory; Robert Schrek, Veterans Administration Hospital, Hines, Illinois.

Under the same auspices and title the Second International Salon will be held in Washington, D. C., in September 1948, in connection with the Centennial Meeting of the AAAS, September 13 through 18.

About People

Paul M. Gross, head, Department of Chemistry, and chairman, Research Council, Duke University, has been appointed dean of the Graduate School, succeeding **Calvin B. Hoover**, who will continue as chairman, Department of Economics.

Charles H. Philpott, principal, Harris Teachers College, St. Louis, Missouri, has been appointed director of education in charge of curriculum research and development, St. Louis Public Schools.

Carl F. Cori and his wife, **Gerty T. Cori**, both professors of biochemistry, Washington University School of Medicine, and co-winners of the 1947 Nobel Prize in Medicine, will present the third Harrison Howe Lecture sponsored by the Rochester Section, American Chemical Society, in the Rochester Chamber of

Commerce building, November 17, on the topic, "The Mechanism of Enzymatic Synthesis of Polysaccharides."

James A. Baker, associate, Department of Animal and Plant Pathology, The Rockefeller Institute for Medical Research, has been appointed professor, Department of Pathology and Bacteriology, New York State Veterinary College.

John S. Nicholas, Sterling professor of biology, and chairman, Department of Zoology, Yale University, has been appointed director of the Osborn Zoological Laboratory, succeeding **L. L. Woodruff**, who died last June.

Otto A. Bessey, chief, Division of Nutrition and Physiology, Public Health Research Institute, New York City, has been appointed professor of biochemistry, and head, Department of Biochemistry, University of Illinois. He will assume his new duties on March 1, 1948.

Robert V. Drexler has been named Bert Heald Bailey professor of biology, and head, Division of Biology, Coe College, Cedar Rapids, Iowa.

Paul Kiernan, head, Section in General Surgery, Mayo Clinic, has been appointed associate professor of surgery, Georgetown University School of Medicine, Washington, D. C.

Daniel M. Popper, formerly of the staff of the Yerkes and McDonald Observatories, Universities of Chicago and Texas, has been appointed assistant professor of astronomy, University of California, Los Angeles.

J. Robert Oppenheimer, director, The Institute for Advanced Study, Princeton, New Jersey, will deliver the 1947 Arthur Dehon Little Memorial Lecture on the topic, "Physics in the Contemporary World," in Morss Hall, Walker Memorial, Massachusetts Institute of Technology, at 8:30 P.M., November 25.

The Lectureship, established in 1944 with funds donated by Arthur D. Little, Inc., in memory of its founder, was inaugurated last year by Sir Edward V. Appleton, who spoke on "Science, Government, and Industry."

Haven Emerson, emeritus professor of public health practice, Columbia University School of Public Health, will deliver the Cutter Lecture on Preventive Medicine in Amphitheatre D, Harvard Medical School, November 24 at 5:00 P.M. Dr. Emerson will speak on the topic, "Whither the Pegasus of Public Health?"

Andrew C. Ivy, vice-president in charge of the Chicago Professional Colleges, delivered the annual lecture of the Epsilon Chapter, Alpha Kappa Kappa, given in memory of George A. Ulrich, clinical professor of obstetrics, Jefferson Medical College of Philadelphia, at the College on October 20. Dr. Ivy's subject was "Experiments in Resuscitation From Asphyxia."

Visitors to U. S.

S. C. Pan, a member of the faculty of National Chungking University, Chungking, China, who has been appointed a Seagram International Fellow, will soon come to this country as a visiting professor in the Joseph E. Seagram & Sons program.

Cenek Adamec and **Ivan Viden**, staff members of the Czechoslovak Institute of Public Opinion, are in this country under a grant from the Rockefeller Foundation to study various aspects of poll interviewing. Their itinerary includes the American Institute of Public Opinion, where they have been working with George Gallup, the Statistical Laboratory at Iowa State College, the University of Michigan, Harvard University, and Columbia University.

Grants and Awards

Charles R. Hook, president, American Rolling Mill Company, Middletown, Ohio, has received the 1947 Medal for the Advancement of Research from the American Society for Metals. The medal, first awarded in 1943 to Roy A. Hunt, president, Aluminum Company of America, has been won in succeeding years by Robert C. Stanley, president, International Nickel Company; Gerard Swope, General Electric Company; and Rufus E. Zimmerman, vice-president, U. S.

Steel Corporation of Delaware. The medal, plaque, and citation were awarded at the annual banquet of the Society held in Chicago October 23, during the National Metal Congress and Exposition.

The American Society of European Chemists and Pharmacists, an association of scientists who have been graduated from European universities, at a meeting held in New York on November 5 presented to **Carl Neuberg**, research professor of chemistry at New York University, the newly established Carl Neuberg Medal for scientific achievement. Dr. Neuberg, who was born in Germany in 1877, is author of almost 1,000 publications and founder of *Biochemische Zeitschrift*, of which he was editor from 1906 until 1936. He was at one time director of the Kaiser Wilhelm Institute for Experimental Therapy and for Biochemistry.

Howard G. Swann, associate professor of physiology, University of Texas Medical Branch, has received a grant of \$12,500 from the AAF Laboratories for the support of research on resuscitation.

Harlow Shapley, director, Harvard College Observatory, has been awarded the Gold Medal of the Indian Association for the Cultivation of Science. The presentation was made by S. K. Banerji, member of the Governing Board of the Association, at the 95th National Meeting of the American Meteorological Society, held jointly with the American Geophysical Union's New England Meeting, September 18, at the Institute of Geographical Exploration, Harvard University.

Smith, Kline & French Laboratories, Philadelphia, has made a grant to **Stanley C. Harris**, professor of pharmacology and physiology, Dental School, Northwestern University, to enable him to conduct research on the pharmacology of analgesia and anorexia in the Dental and Medical Schools of Northwestern. **Clement A. Finch**, Harvard Medical School, has also received a grant for the support of research to be done at the Peter Bent Brigham Hospital, Boston, under the supervision of George W. Thorn, of Harvard Medical School.

The University of Michigan has received a grant of \$8,500 from Parke Davis & Company, Eli Lilly & Company, Abbott Laboratories, and the Upjohn Company to permit completion of experimental research and investigation of the synthesis of penicillin and related

compounds. This research is under the direction of **Werner E. Bachmann**, professor of organic chemistry at the University.

The James F. Lincoln Arc Welding Foundation has recently announced the rules of its Annual Engineering Undergraduate Award and Scholarship Program. Resident engineering undergraduate students registered in any school, college, or university in the United States which offers a curriculum in any branch of engineering (including agricultural engineering) or architecture leading to a degree, and cadets registered in the U. S. Military, Naval, and Coast Guard Academies, are eligible to submit papers dealing with design for arc welding of parts of machines, complete machines, trusses, girders, structural parts, or their maintenance. It is not necessary that the machine, structure, or part, be actually built, but the design or method of construction must be described in the paper. Papers must be mailed by May 15, 1948. A total of 77 awards are offered, the highest being \$1,000; the next highest, \$500; and the third highest, \$250. Four awards will be given of \$150 each, 8 of \$100 each, 12 of \$50 each, and 50 of \$25 each. The departments in the institutions in which the three highest awards are made will receive amounts of money equal, respectively, to those awards, to be used as scholarships within the departments. Further information may be obtained from the James F. Lincoln Arc Welding Foundation, Cleveland 1, Ohio.

Whittlesey House and *Science Illustrated* have announced the Second Biennial Prize Contest for books on scientific subjects written for the layman. First prize is \$3,500; second prize, \$1,000; third prize, \$500. In addition, a \$1,000 advance against royalties will be given to each of the prizewinners and also to each additional author whose project is accepted for publication. The contest opens December 1, 1947, and closes November 1, 1948. Manuscripts must be completed by November 1, 1949, and range in length from 80,000 to 150,000 words. The contestant must submit by November 1, 1948, a complete plan for the book, with 15,000 words of the manuscript, and a detailed account of the amount and kind of research he intends to do. He must also supply two typewritten recommendations, one professional and one personal, plus an autobiographical sketch of at least 250 words. All entries

must be typed in English, double-spaced, and the original typescript should be submitted to Beulah Harris, Science Editor, Whittlesey House, 330 West 42nd Street, New York 18, New York.

Judges for the contest will be: Harlow Shapley, director, Harvard College Observatory; C. C. Furnas, director, Aeronautical Laboratory, Cornell University, Buffalo, New York; Paul B. Sears, professor of botany, Oberlin College, Oberlin, Ohio; Gerald Wendt, editorial director, *Science Illustrated*; and the editors of Whittlesey House. The first contest, which closed November 1, 1946, was won by Clyde Kluckhohn, Department of Anthropology, Harvard University, for his manuscript, *Anthropology and the world today*.

In October 1945, Research Corporation, New York City, established the Frederick Gardner Cottrell Grants in Aid of Scientific Research, designed to assist in re-establishing academic research programs and teaching staffs disrupted during the war. The following year over 100 grants amounting to about \$430,000 were approved from the fund of \$2,500,000 set aside for this purpose. These grants, which are made to institutions on the basis of applications by individuals, have gone to about 30 states, Alaska, and the District of Columbia, more than half of the recipients being smaller colleges and universities. Since its founding in 1912 by F. G. Cottrell, the Corporation has awarded more than \$2,000,000 to some 120 institutions. Application forms and additional information may be secured from the Corporation's offices, 405 Lexington Avenue, New York 17, or 225 Santa Monica Boulevard, Santa Monica, California.

Colleges and Universities

Savage Hall, new headquarters of the Cornell University School of Nutrition (see *Science* cover, October 10), was officially placed in service October 10 at impressive dedication ceremonies on the campus which reflected the School's key role in the world food crisis.

The event was characterized by Governor Thomas E. Dewey, who spoke at the ceremony, as "the brightest spot I know in a period when the high price and scarcity of food are uppermost in the minds of the people of the Nation and the world." He went on to say: "This is a most fortunate time for the completion

of this first building of our great new Cornell School of Nutrition. Here is a happy union of university, farmer and state cooperation, all in one effort to improve the health of the American people."

Disclosing his views on the world food crisis, he asserted: "We need and want to do our honest share to feed hungry people overseas until they are better able to help themselves. We have at the same time a prior and a binding obligation to see that no American is poorly fed as a bitter result of thoughtlessness or badly planned generosity on our part."

"The farmers of our state and Nation have performed miracles at increasing production by nearly one-third over the prewar period. We can count on the farmers as always to do more than their share, and it is a matter of real gratification that the farm organizations of New York have taken such a vital interest in the nutrition of our people by contributing this beautiful new home of the School of Nutrition. . . . I am happy and proud to dedicate Savage Hall of the Cornell School of Nutrition to the better nutrition of the American people and to the science of using food for the advancement of the health, the vigor, and the good will of human beings everywhere."

Leonard A. Maynard, director of the School, stated that the new building provides greatly strengthened facilities for carrying out an over-all program of nutrition study. He added: "This gift by the farmers of the Northeast was a pioneer action—as much as the establishment of the School itself. So far as is known, no similar contribution to a university has ever been made. The action reflects the real interest of farmers in public service, their recognition of the importance of education and research and their appreciation of the interdependence of agriculture, nutrition, and health."

Before Savage Hall was built, the School had no buildings of its own. One of its laboratories was over a horse barn and the rest of its facilities were scattered in other University buildings. Now these facilities are centralized in a four-story, brick and limestone structure with 22,700 square feet of floor space and a number of fully-equipped research and student laboratories.

The School continues, however, to draw its staff and information from the Colleges of Arts and Sciences, Engineering, Agriculture, Home Economics, the

University Clinic, the College of Veterinary Medicine, and the U. S. Plant, Soil, and Nutrition Laboratory, all of which contribute to an across-the-board study of nutrition that covers every phase of the broad field from the soil to the consumer's table.

In addition to Governor Dewey the principal speakers included W. H. Sebrell, of the National Institute of Health, and Congressman Clifford R. Hope, of Kansas, chairman of the House Committee on Agriculture.

Presiding at the ceremony was Arthur S. Adams, provost of the University. The building was presented to the University by Frank M. Smith, chairman, New York State Conference Board of Farm Organizations, and was accepted by Neal Dow Becker, chairman of its Board of Trustees.

At the request of the farm organizations which contributed to the building, it was named by the Board of Trustees in honor of the late Elmer S. Savage, professor of animal husbandry in the College of Agriculture. Prof. Savage had been associated with Cornell for 35 years, and in that time became one of the dairy industry's outstanding leaders. Most of his work was done in the field of dairy cattle nutrition, from which came the Cornell Calf Starter Method. One of his greatest contributions was the initiation of the widely adopted "open formula" plan for the marketing of livestock feeds.

The Medical College of Virginia was presented a portrait of Wortley F. Rudd, former dean, School of Pharmacy of the College, by the Richmond Retail Druggists Association, November 7, at the Richmond Academy of Medicine. Dr. Rudd retired July 1 after serving 27 years as dean and 43 years as a faculty member of the College. The portrait was painted by John D. Slavin of Richmond.

The University of Wisconsin has obtained a reconverted aircraft turbo-supercharger of the type used to "boost" bombers to heights of some 40,000 feet during the war for use in a research program designed to develop new and better fuels and superchargers for combustion engines. The program, which is being supported by the Wisconsin Alumni Research Foundation, will be under the direction of **Phil Myers** and **Otto Uyehara**, of the engineering faculty. The temperatures resulting from the combustion which powers the rotor to 22,000

r.p.m. will be studied by the use of an electro-optical pyrometer, which the two men invented several years ago to study combustion in diesel engines. This instrument works on the principle of the "electric eye" by gauging the temperature of the rotor, or of the exploding vapor in the cylinder in the case of the diesel, by measuring the intensity of light through a quartz window.

The University of Georgia, Athens, has announced the following additions to its Department of Biology: **I. C. Kitchin**, formerly associate professor of zoology, University of North Carolina, associate professor; **Donald C. Scott**, University of Indiana, instructor; and **Charles O. Hathaway**, University of Virginia, instructor.

At the Indiana University Medical School, Indianapolis, **Randall Thompson**, formerly of the Medical College of Virginia, has been appointed chairman of a newly-created Department of Microbiology, and **Thurman B. Rice**, formerly chairman, Department of Bacteriology and Public Health, has been named chairman of the now separate Department of Public Health.

Fellowships

Kenyon Thomas Payne, graduate student, Division of Agronomy and Plant Breeding, College of Agriculture, University of Minnesota, has been appointed Conway MacMillan Memorial Research Fellow in Botany for the academic year 1947-48. This fellowship was established at the University in 1946 by Charles J. Brand, economic consultant and alumnus of Minnesota.

The Mellon Institute of Industrial Research has announced the establishment there of a research fellowship by the Fanny Farmer Candy Shops. This fellowship, headed by **M. G. Mayberry**, will carry on wide investigations relating to important basic problems in confectionery technology. The program embraces all phases of candy making, including scientific methods for the betterment of manufacturing procedures and especially for defining and controlling the texture of products.

The Life Insurance Medical Research Fund will receive applications up to January 15, 1948, for grants in aid of research on cardiovascular problems

to begin in 1948. Support is available for physiological, biochemical, and pathological research which bears on cardiovascular problems, as well as for clinical investigation in this field. About \$500,000 will be awarded for these grants.

Postgraduate fellowships for training in research for 1948-49 are also available, and applications will be received for these up to January 1, 1948. Preference will be given to candidates wishing to work in the broad field of cardiovascular function or disease and to those wishing to work in institutions other than the ones where they obtained most of their experience. A Ph.D. or M.D. or the equivalent is required. About 12 fellowships will be available with annual stipends of \$2,500-\$3,500.

Later in the year, the Fund will also offer a number of predoctoral research fellowships. Further information may be obtained from the Scientific Director, Life Insurance Medical Research Fund, 2 East 103rd Street, New York 29, New York.

Lehigh University has recently awarded 10 graduate study fellowships, four of which went to foreign students. Among the recipients are: **Frederick R. Gardner**, Queens University, Toronto, awarded the Sinclair Printing Ink Research fellowship in chemistry; **Ching-Huan Yang**, National Central University, Nanking, China, the Lawrence Calvin Brink fellowship in civil engineering; **Bernt Roald**, Technical University of Norway, Trondheim, the Roy R. Hornor research fellowship in metallurgy; **Walter E. Munz**, Swiss Institute of Technology, Zurich, the C. Kemble Baldwin research fellowship in mechanical engineering; **Helmut Tielsch**, Alabama Polytechnic Institute and University of Michigan, the New Jersey Zinc Company fellowship in metallurgy; **Charles F. Bild**, University of Virginia, and **Donald E. Knulk**, Ohio State University, the William C. Gotshall scholarships in metallurgical engineering; **Ludwig R. Kowalski**, Duke University, the Westinghouse fellowship in mechanical engineering; and **Richard C. Huyett**, Lehigh University, the Consolidated-Vultee Aircraft Corporation fellowship in mechanical engineering.

Paul A. Geary, research chemist, Smith, Kline & French Laboratories, Philadelphia, has been awarded the second Walter G. Karr fellowship to finance his postgraduate studies in physical chemistry at the University of Pennsylvania.

This fellowship was established in 1946 for scientific personnel of Smith, Kline & French Laboratories who desire to continue their academic studies.

Meetings

The 1947-48 series of **Laity Lectures**, given by the New York Academy of Medicine, 2 East 103rd Street, New York, began October 30 with a lecture on "The Atom in Civil Life" by **Lewis L. Strauss**, member of the U. S. Atomic Energy Commission and the Naval Research Advisory Board. Succeeding lectures will include: "The Psychology of Leadership in War and Peace," **George Ronald Hargreaves**, formerly assistant director, Army Psychiatric Division, War Office, Great Britain, November 19; "Food and Civilization," **Sir Raphael Cilento**, director, Division of Social Activities, United Nations, December 17; "On Being Old Too Young," **Edward J. Stieglitz**, chief of medical staff, Suburban Hospital, Washington, D. C., January 22; "Perspectives in Cancer Research," **Cornelius P. Rhoads**, director, Memorial Hospital, New York, February 4; "Psychiatry for Everyday Needs," **William C. Menninger**, The Menninger Foundation, Topeka, Kansas, February 26; and "The Interrelation of Pure and Applied Science in the Field of Medicine," **James B. Conant**, president, Harvard University, March 11. All lectures, which begin at 8:30 P.M., are free of charge and open to the public.

The American Mathematical Society will hold its 429th meeting at Washington University, St. Louis, Missouri, November 28-29. Sessions will begin at 10:00 A.M. Friday and will continue through Saturday morning. **Marshall Hall**, Ohio State University, will speak Friday morning on the topic, "Foundations of Geometry, Retrospect and Prospect." At 9:00 A.M. Saturday, **Szolem Mandelbrojt**, Collège de France and Rice Institute, will speak on "Analytic Continuation and Infinitely Differentiable Functions, a General Principle." A dinner will be held Friday at 6:30 P.M. in the McMillan Hall dining room.

The American Society of Mechanical Engineers will meet December 1-5 in Atlantic City, New Jersey, with headquarters at Chalfonte-Haddon Hall. Among the ASME guests will be **David Lilienthal**, who will speak at a nuclear

energy luncheon on December 2; Fred S. McConnell, president of the National Coal Association, who will address a fuels dinner Tuesday evening on "The Coal Industry Looks Ahead"; and E. O. Shreve, president of the U. S. Chamber of Commerce, who will participate in an education session on the afternoon of December 1.

In addition to nuclear energy, a second featured topic will be rocket research. In several sessions co-sponsored with the American Rocket Society, an affiliate of the ASME, the topic will be discussed by Clark B. Millikan, director of the Guggenheim Aeronautical Laboratory, California Institute of Technology, giving special attention to a review of the 10 years of research at the Laboratory, and Werner von Braun, technical director of Germany's Peenemunde Rocket Research Base during the war, who will speak on the development of the V-2 missile. A trip has been arranged to the Atlantic City Naval Air Station for demonstrations of rocket-assisted take-off, flights of A.S.F. and naval jet-propelled aircraft, and static firing of a liquid fuel rocket engine. Exhibitions of equipment and material in the fields of jet propulsion, gas turbines, and nuclear energy have been invited from the war, navy, air, engineering, and scientific branches of the Government and industry.

Sessions have also been scheduled on machine design, metals engineering, railroads, fuels, safety, process industries, power test codes, rubber and plastics, wood industries, petroleum, aviation, power, oil and gas power, hydraulics, and industrial instruments and regulators.

The American Academy of Pediatrics will hold its annual meeting December 9, in Dallas, Texas. The program will be devoted to three papers outlining the findings to date of the Academy's two-year Study of Child Health Services in Alabama, Illinois, Montana, New Hampshire, New Mexico, North Carolina, Oregon, District of Columbia, and Maryland. Warren R. Sisson, chairman, Committee for the Study of Child Health Services, will discuss "the total volume of medical care to children, based on an analysis of eight selected states." John P. Hubbard, director of the Study, will present a paper on "a review of private practice: pediatricians and general practitioners." "Facts and figures on pediatric education" will be presented by John McK. Mitchell, who has conducted

the study of pediatric education through personal visits to all approved medical schools in the United States and two in Canada.

A Symposium on Northern Arizona Geology was held at the Museum of Northern Arizona, Flagstaff, on August 26. Participants were 7 graduate students in geology who spent the summer in northern Arizona working under the supervision of Edwin D. McKee, assistant director of the Museum.

The program included: "Geology of the North End of the Verde Valley," Richard Mahard, of the faculty of Denison University, now studying at Columbia; "Upper Jurassic Stratigraphy of Black Mesa," John Harshberger, University of Arizona; "Ecology of a Permian Fauna at Walnut Canyon and Bottomless Pits," Halka Pattison, Stanford University; "Fauna and Stratigraphy of the Fort Apache Limestone," Stephen Winters, Columbia University; "Geology of Oak Creek Canyon," Brainerd Mears, Columbia University; "The Rim Rocks of Sycamore Canyon," William Price, University of Arizona; and "A Study of Pediments and Drainage Divides at Echo Cliffs," William Eames, Columbia University.

The New England Intercollegiate Field Geologists held their annual field meeting with 91 geologists participating, October 18-19 in Rhode Island, with Alonzo Quinn, chairman, Department of Geology, Brown University, as host, assisted by J. P. Schafer. A bed rock trip in the area north of Providence studied areas of the supposedly pre-Cambrian (?) Blackstone series, older plutonic rocks, Quincu granite and granite porphyry, and Wamsutta sandstone and conglomerate of Pennsylvanian age. The following day bed rock exposures in the Purgatory-Newport area, south of Providence, were studied. Glacial and shoreline features were studied by geologists led by Mr. Schafer in Exeter, along Narragansett Bay, and in the Wakefield-Watch Hill morainial area. The 1948 trip will be held in Vermont with Charles G. Doll, University of Vermont, as leader, and the 1949 trip will be conducted by Joseph Trefethen, University of Maine, at Orono.

The 50th anniversary of the founding of the Columbus Section, American Chemical Society, was commemorated at the Ohio State University on October 24 by a program on various

phases of modern chemistry. Speakers included Charles Heidelberger, University of California, Berkeley; H. O. L. Fischer, Banting Institute, University of Toronto; Norman Hilberry, Argonne National Laboratory, Chicago; and Martin Summerfield, Jet Propulsion Laboratory, California Institute of Technology. Charles Allen Thomas, vice-president, Monsanto Chemical Company, St. Louis, and president-elect, American Chemical Society, delivered the address at the Fifty-Year Dinner, at which time the three remaining charter members of the Columbus Section were honored. The charter members are William McPherson, emeritus president, Ohio State University, and William Lloyd Evans and Charles W. Foulk, both emeritus professors of chemistry at Ohio State.

The International Union of Biological Sciences, financially supported by UNESCO, sponsored a symposium on the "Role of Trace Elements in Plant Physiology" at Rothamsted, Harpenden, England, November 5-6. Research workers from Australia, Denmark, Finland, France, Great Britain, Netherlands, Norway, Sweden, Switzerland, and the United States participated. A report of the symposium will be published by the Union.

NRC News

The National Research Council has announced that the Merck Fellowships, supported by Merck and Company and administered by the Council, are available for the academic year 1948-1949. This program, designed to stimulate interest in fields of study requiring knowledge of more than one science, offers fellowships to provide special training to young men and women who have demonstrated marked ability in research in chemical or biological science and who wish to broaden their fields of investigational activity. Candidates must submit evidence of training in these fields equivalent to that represented by the Ph.D. degree and must have demonstrated unusual research ability. Study abroad may be approved in some cases. The annual stipends are \$2,500-\$5,000, and an annual allowance of \$500 is provided to the institution to which each Fellow is assigned. Fields of study will be in chemistry and biology, including the preclinical medical sciences. Initial appointments will be for a term of one year,

renewable for a second year, and, in exceptional cases, for a third year. Further information may be obtained from the National Research Council Fellowship Office, 2101 Constitution Avenue, N. W., Washington 25, D. C.

Deaths

Sister Mary Rose (Murray), professor of chemistry, College of St. Elizabeth, Convent Station, New Jersey, died of a heart attack on June 11.

Sister M. Augustina (Brobston), 81, chairman, Department of Chemistry, College of St. Elizabeth, Convent Station, New Jersey, died suddenly July 21. She had been associated with the Department since 1906.

Mary Jones Fisher, at one time associate editor of *Biological Abstracts*, and more recently affiliated with the Academy of Natural Sciences in Philadelphia, died on October 9 in Dover, Delaware.

Frederic Ewald Sondern, 80, retired clinical pathologist and formerly president, New York State Medical Society, died October 10 at Post-Graduate Hospital, New York City, after a 6-week illness.

Robert H. Lombard, 59, who for the past 20 years had been research chemist in the Norton Company Research Laboratories, Worcester, Massachusetts, where he made important contributions to the abrasive industry, died on October 11.

Frank R. Lillie, 77, Andrew MacLeish distinguished service professor of embryology emeritus, and for over 20 years chairman, Department of Zoology, University of Chicago, died November 5 in Chicago.

With the hungry of Europe looking to America for food, clothing, and dollars to help them through the coming winter, we are again reminded of a way in which we as individuals can supplement the meager rations of these people. CARE (Cooperative for American Remittances to Europe, Inc.) food packages, each containing enough food to feed supplementary meals to a family of four for a full month, in addition to baby food, blanket, cotton, woolen, knitting wool, household linen, and layette packages,

may be ordered for \$10 each and will be dispatched promptly to a needy European friend. The offices of CARE are located at 50 Broad Street, New York City 4.

The Federation of American Scientists has made provision for admission of members-at-large. The chairman of the Federation, **Robert E. Marshak**, in announcing the provision, has written as follows:

"The Federation of American Scientists was formed to integrate those groups of scientists which sprang up spontaneously at the end of the war to alert the public to the implications of the development of atomic energy and to work for sound legislation and policy in this field.

"Some of the major activities of the Federation have been (1) providing accurate technical information to the public and to its leaders in order to establish a basis for intelligent social action; (2) mobilizing support for civilian control of atomic energy in this country; (3) supporting the confirmation of the present members of the Atomic Energy Commission; and (4) working for a National Science Foundation. In items (2) and (3) the Federation has been particularly effective.

"Scientists have played a prominent part in national affairs in the past two years, and they must continue to fulfill their responsibilities in the future. A few of the subjects under consideration by the membership are the need for more information on the factors involved in biological warfare; the re-establishment of the international scientific community by interchange of scholars, students, and technical information; and the general problem of secrecy in science. What part the Federation will play will be determined by its members. Important policy matters are carefully checked with the membership and decisions must be approved by a large majority.

"It is recognized that the active participation of many scientists is necessary if the Federation is to be representative and effective. At present there are 2,500 members, most of whom belong to the 19 local associations. The Federation is anxious to enlarge its membership, especially in the smaller scientific communities and places where groups have not yet been formed.

"Those who have the equivalent of a Bachelor's degree in the natural sciences, mathematics, or engineering are qualified to become members-at-large, and anyone who is interested in furthering the aims of

the Federation is eligible for associate membership-at-large. Dues for members-at-large are set at \$5.00 per year; for sustaining members, \$10.00; and for patrons, \$25.00 or over.

"Inquiries are cordially invited. They should be sent to the Federation of American Scientists, 1749 L Street, N. W., Washington 6, D. C."

The Scientific American, 102-year-old monthly magazine, has been purchased by The Sciences, Inc., which plans to convert it into a new magazine of the sciences to be edited and published by **Gerard Piel** and with **Dennis Flanagan** as managing editor. It will cover the physical, biological, and social sciences, engineering, and medicine, and will occupy a place between technical and professional journals and those reporting science in popular terms. The first issue of the new magazine will appear early in 1948, its price remaining at 50¢ per copy and \$5.00 per year.

Erratum: In "Effect of Rutin on Anaphylactic and Histamine Shock" by R. J. Raiman, E. R. Later, and H. Necheles (*Science*, October 17, p. 368), the first sentence of the last paragraph should read as follows: "Another explanation for the protective effect of rutin may be that it prevents the liberation of endogenous histamine, perhaps by unknown factors other than those which decrease capillary permeability."

Make Planes for—

The American Philosophical Society, autumn general meeting, November 20-21, Philadelphia.

Tennessee Academy of Science, 57th annual meeting, November 28-29, University of Tennessee, Knoxville.

American Physical Society, November 28-29, Houston, Texas.

American Society of Animal Production, November 28-29, Chicago, Illinois.

The National Joint Committee on Fertilizer Application, annual meeting, December 15, Hotel Stevens, Chicago.

The Society of American Foresters, annual meeting, December 18-20, Minneapolis, Minnesota.