

NEWS and Notes

Elvin C. Stakman, chief of the Division of Plant Pathology and Botany, University of Minnesota, and retiring president of the AAAS, is in Florence, Italy, attending the Fifth General Conference of Unesco, May 22–June 16. Dr. Stakman is a member of the U. S. delegation.

S. E. Luria, of the Department of Bacteriology, University of Indiana, will give a special course on viruses this month in the Department of Biophysics at the University of Colorado Medical Center in Denver. The course will include lecture and laboratory sessions. Further information about the registration may be obtained by writing to the department, 4200 E. Ninth Avenue, Denver.

Herbert R. Morgan, professor of medicine at the University of Michigan Medical School, has been appointed professor of bacteriology and chairman of the Department of Bacteriology and Preventive Medicine in the University of Rochester's School of Medicine and Dentistry.

Major General Sir Sahib Singh Sokhey, former director of the Haffkine Institute of Bombay, has been appointed assistant director general of the World Health Organization, in charge of the Central Technical Services. He replaces Raymond Gautier, who recently retired.

John Deal, has been appointed entomologist for the World Health Organization, to organize and put into operation an insect control program in the six Central American countries, including British Honduras.

Glenn A. Noble, head of the Department of Biology at California State Polytechnic College, has accepted an appointment under the Smith-Mundt Act as visiting professor of parasitology at Seoul National University, Seoul, Korea.

Harvey Brooks has been appointed Gordon McKay Professor of Applied Physics at Harvard University, effective July 1. Dr. Brooks is now on the staff of the Knolls

Atomic Power Laboratory of the General Electric Company in Schenectady.

Visitors to U. S.

Three staff members of the Instituto Tecnico de la Construcción y del Cemento, Madrid—**E. Torroja**, director, **J. Nadal**, first secretary, and **Francisco Lucini**, institute architect, recently visited the National Bureau of Standards as part of their study of construction and cement industries and research laboratories in the U. S. **Sakuji Komagata**, director of the Electrotechnical Laboratory, Tokyo, visited the electrical and optical laboratories of the bureau.

Youssef Abdoosh, director of the Royal Medical Corps Laboratories, Egyptian Army, and deputy director of the Egyptian Army Medical Corps, recently visited the Army Medical Department Research and Graduate School, Washington, D. C., to study the layout of a large research laboratory. He was accompanied by **Salah El-Dine Rifaat**, chief of the Civil Engineering Branch of the Military Works Department. **C. E. van Rooyen**, professor of virus infections at the University of Toronto, visited the Department of Virus and Rickettsial Diseases; and **John I. L. Browne**, director of the university clinic of Royal Victoria Hospital, and professor of medicine, McGill University, also visited the school during May.

John Krog, biologist from the Teachers' College, Oslo, Norway, and his wife, who is a botanist, have joined the staff of the U. S. Public Health Service field station at Anchorage, Alaska. Mr. and Mrs. Krog, who are in the U. S. under the exchange visitors program of the State Department, will assist **Laurence Irving**, director of the Study Unit in Physiology and Experimental Biology, in investigations of metabolic changes in arctic and subarctic birds and mammals.

N. S. Bayliss, of the University of Western Australia, was a recent visitor at the Iowa State College Institute for Atomic Research.

P. S. Gill, chairman of the Department of Physics and dean of

the Faculty of Sciences of Aligarh University, India, will be at the Bartol Research Foundation of the Franklin Institute, Swarthmore, Pennsylvania, until July 1.

Beno Eckmann, of the Zurich Federal Institute of Technology, and **H. D. Kloosterman**, of the University of Leiden, will be visiting professors in the Department of Mathematics at the University of Michigan during the summer term.

The annual McGregory Lecture on Chemistry of Colgate University was given May 23 by **N. V. Sidgwick** of Oxford University. The subject of the lecture was the scope of inorganic chemistry.

Grants and Awards

The Eli Lilly and Company Award in Bacteriology was given last month to **Roger Yate Stanier**, associate professor of bacteriology at the University of California at Berkeley. Dr. Stanier was cited particularly for his work in helping to classify bacteria in the family mycobacteriaceae. The \$1,000 award is conferred annually by the Society of American Bacteriologists to a scientist under 35 years of age.

Research Corporation announced May 1 the award of 26 new grants in aid of research and renewal of nine grants on projects already supported by the foundation to colleges, universities, and scientific institutions in 21 states. The \$80,000 allocation, which includes Research Corporation general grants and **Frederick Gardner Cottrell** grants to smaller institutions, bring to a total of about \$350,000 the funds granted since November 1, 1949, when the last awards were made.

The new awards are as follows: **Pomona College**—**R. Nelson Smith**, the reaction of nitric oxide with methyl radicals; **University of California at Davis**—**Raymond M. Keefer** and **Lawrence J. Andrews**, addition and substitution reactions of halogens on the aromatic nucleus; **University of California**—**Lawrence M. Grossman**, measurements of turbulent velocity components in axisymmetric liquid flow; **John B. Stetson University**—**Leonard G. Tompkins**, studies in the preparation of ali-

phatic nitroketones; Georgia Institute of Technology—*Jack Hine*, the reactivity of methylene halides in nucleophilic displacement reactions; North Georgia College—*Paul Becher*, a study of the chemical behavior of trimethyl phosphate mono- and dimethyl phosphoric acid with respect to reactivity; Lake Forest College—*Harold C. Jensen*, cathode ray bombardment of semiconductors; Wheaton College—*Bernard A. Nelson*, a further study in the reactions of alphahalogenated ethers; Yerkes Observatory of the University of Chicago—*Karl O. Kiepenheuer*, determination of the magnetic field of the sun; University of Kansas—*William E. McEwen*, the mechanism of the acid-catalyzed conversion of furfuryl alcohol to levulinic acid; Lowell Textile Institute—*Geoffrey Broughton*, bonding character in the paper sheet; Mississippi State College—*Henry C. Thomas*, Auger electrons in coincidence experiments; University of Missouri—*Newell S. Gingrich*, the development of equipment for the experimental study of low intensity effects in the diffraction of x-rays; Montana State College—*Kenneth J. Goering*, a study of purified amylase from various fungi grown in submerged culture; University of Nebraska—*Carl W. Borgmann*, influence of environmental factors on the cathodic polarization of common metals and alloys; Syracuse University—*Gerald F. Grillo*, synthesis of substituted phenothiazines; University of North Dakota—*Grant W. Smith*, influence of applied potential difference across a liquid-liquid interface; Denison University—*Conrad E. Ronneberg*, a study of trifluoroacetic acid as an electrolyte; Wittenberg College—*Paul K. Glasoe*, a study of the correlation between spectrophotometric characteristics of colloidal gold and the particle size, concentration of gold in the sol, and method of preparation of the sol; University of Oregon—*V. E. Gaertner*, synthesis of strained fused polynuclear hydrocarbons; Haverford College—*Thomas O. Jones*, the preparation and characterization of the various tolylhydrazides both from esters and from acids; Pennsylvania State College—*Hans Neuberger*, a study of

atmospheric condensation; University of Pennsylvania—*David M. Howell*, studies on hydroxylamines and their metal complexes; Fisk University—*Nelson Fuson*, a study of the mercapturic acid synthesis of the animal body by means of infrared spectroscopy; University of Tennessee—*William H. Fletcher*, vibrational assignments and force constants of ketene, allene, and related molecules; and West Virginia University—*Saul W. Chaikin*, the chemistry of organoboronic acids and their derivatives.

Fellowships, Scholarships,

The National Foundation for Infantile Paralysis has approved an additional \$150,000 for continuation of the Physical Therapy Scholarship Program. More than \$1,950,000 has been allocated since 1942 for such training, and more than 1,300 physical therapists have received complete or partial training. In addition, 27 fellowships for preparation as physical therapy teachers have been made. The program will continue to be administered by the foundation, with a committee from the American Physical Therapy Association. Requests for information or applications should be directed to Professional Education Division, National Foundation for Infantile Paralysis, 120 Broadway, New York City.

A Hoblitzelle National Award in Agricultural Sciences has been established by the Karl Hoblitzelle Agricultural Laboratory of the Texas Research Foundation to give recognition to outstanding contributions to agriculture and the sciences that serve agriculture, including bacteriology, biochemistry, biology, botany, chemistry, entomology, forestry, genetics, nutrition, soil science, veterinary science, and zoology. The \$5,000 award and gold medal will be presented biennially to the person who has made the most important scientific contribution to American agriculture for the preceding two-year period. The first award will be made in 1951. Nominations will be made by duly appointed committees and equal consideration will be given to all scientists working in the U. S.

and territories. Two other awards of \$5,000 each are to be made for work done by Texans, for the advancement of agriculture within the state.

Colleges and Universities

The Rutgers University Serological Museum recently received samples of blood serum from 20 animals native to Heard Island in the Indian Ocean near the South Pole. The specimens, including blood fluids from penguins, seals, sea lions, leopards, sea elephants, and several birds of the petrel family, including one albatross, were brought to the museum by Ellen Clark, of Mooroolbark, Victoria, Australia, who will spend a year's study at the museum on a grant from the Rockefeller Foundation. Miss Clark has been research assistant of the Council for Scientific and Industrial Research in Australia since 1945.

The University of Rochester recently opened a new million-dollar center for research and training of physicians and technicians in medical problems relative to atomic energy development. The center, financed by the Atomic Energy Commission, is planned to help provide medical training to the armed forces for atomic warfare defense, to acquaint civilians with various aspects of atomic energy, and to supply a source of trained research scientists for the regional laboratories of the AEC. Henry A. Blair, physiologist and biophysicist, is director of the project, which was begun under the Manhattan District during the war.

Summer Programs

A summer seminar in statistics is scheduled for the period August 7–September 2, under the auspices of the University of Connecticut at Storrs. Informal discussions and colloquia on a wide range of statistical topics will be held. Institutions represented on the seminar's executive committee are Columbia, Cornell, Harvard, Johns Hopkins, Yale, Princeton, University of Connecticut, University of North Carolina, and Connecticut Agricultural Experiment Station. Attendance for the entire four-week period is not

required. Those interested should write to the seminar's executive secretary, D. F. Votaw, Jr., 210 Leet Oliver Hall, Yale University, New Haven, Connecticut.

The Wyoming Geological Association will hold its fifth annual field conference August 9–11 in southwest Wyoming. The conference will have headquarters in Kemmerer, Wyoming, but daily field trips ranging from the Uinta Mountain on the south to the Wind River on the north will allow the group to study the geology of a wide area of the Green River Basin and the Western Wyoming overthrust belt.

A one-week course on the **medical aspects of nuclear energy** is scheduled by the Army Medical Department Research and Graduate School for September 18–22. Further information can be obtained from the U. S. Army Surgeon General's Office, Education and Training Division, Main Navy Building, Washington, D. C.

Meetings and Elections

A **symposium on thin films**, sponsored by the Armour Research Foundation of the Illinois Institute of Technology, will be held at the Sheraton Hotel, Chicago, June 8–10. The symposium will be divided into four sessions covering formation, geometry, structure, and the problems and applications of thin films. Each session will have as chairman an authority in the field who, with a group of experts, will present a discussion on that phase of thin film study. Chairmen of the sessions are K. B. Blodgett, General Electric Company; L. O. Brockway, University of Michigan; A. T. Gwathmey, University of Virginia; and R. D. Heidenreich, Bell Telephone Laboratories. On Friday and Saturday those attending may present their thin film problems to the symposium for attention and recommendations.

Exhibitors at this year's instrument display will include the American Optical Company, Distillation Products, North American Philips, Optical Film Engineering, and Radio Corporation of America.

The Pacific Division of the AAAS will hold its 31st annual meeting at the University of Utah, Salt Lake City, June 19–24. Headquarters will be located in the lobby of the Union Building on the university campus. Meetings of participating organizations will be held on the following dates: *American Chemical Society, Northwestern Utah Section*—June 20–22; *American Meteorological Society*—June 20–22; *American Nature Study Society, Western Section*—June 21–24; *American Phytopathological Society, Pacific Division*—June 21–23; *American Society for Horticultural Science, Western Section*—June 20–23; *Botanical Society of America, Pacific Division*—June 22–23; *American Society of Ichthyologists and Herpetologists (national meeting)*—June 20–22; *American Society of Limnology and Oceanography, Pacific Section*—June 21–22; *Cooper Ornithological Club, Northern Division*—June 22–23; *Association of Pacific Coast Geographers*—June 22–24; *Astronomical Society of the Pacific*—June 22–23; *Pacific Northwest Bird and Mammal Society*—June 22–23; *Society of American Bacteriologists, Southern California Branch and Intermountain Branch*—June 22; *Herpetologists League*—June 20–22; *Society for Experimental Biology and Medicine, Pacific Coast Branch and Southern California Branch*—June 20; *Ecological Society of America, Western Section*—June 20–22; *American Society of Plant Physiologists, Western Section*—June 21–23; *Western Society of Soil Science*—June 20–22; and the *Utah Academy of Sciences, Arts, and Letters*—June 21.

The Western Association of Industrial Physicians and Surgeons invites all American Medical Association members to attend its meeting on Sunday, June 25 (the day prior to the opening of the AMA convention), from 9:00 to 5:00, in the Curran Theater, 455 Geary Street, San Francisco.

The Third International Institute for Hospital Administrators will be held in Rio de Janeiro June 18–July 2. Thirty-two governmental

and scientific institutions in the U. S. and Latin American republics are collaborating in the work of the institute.

The American Congress of Physical Medicine will hold its 28th annual meeting at the Hotel Statler, Boston, August 28–September 1. All sessions will be open to members of the medical profession in good standing with the AMA. In addition to scientific sessions, annual instruction seminars will be held on the first four days. One set of 10 lectures on basic subjects will be limited to physicians. Another set of 10 general lectures will be open to therapists as well as physicians. Full information may be obtained from the American Congress of Physical Medicine, 30 North Michigan Avenue, Chicago.

The American Geophysical Union (Committee on Geophysics of the National Research Council) elected the following officers to serve from July 1, 1950 to June 30, 1953: president, Walter H. Bucher, Columbia University; vice president, F. W. Reichelderfer, U. S. Weather Bureau; and general secretary, K. Hilding Beij, National Bureau of Standards.

The Genetics Society of America will meet at Columbus, Ohio, September 11–14, under the auspices of the American Institute of Biological Sciences, to celebrate the 50th birthday of the rediscovery of Mendel's fundamental work. Short papers describing the results of current research will be presented the first day of the meeting. On Monday evening, an address on "The Impact of Genetics on the Biological Sciences" will be given by R. B. Goldschmidt, professor emeritus of zoology at the University of California. On September 12, papers will be presented on the historical aspects and the development of genetics; on September 13, the general topic will be the physical basis of the gene and the physiology of the gene. Three papers on cytogenetics are scheduled for Thursday morning, to be followed by several dealing with genetics,

and food supply, and genetics, medicine, and man. The final address will be delivered Thursday evening by Julian Huxley, entitled "Genetics, Evolution, and General Thought."

An international congress of electronic microscopy will be held in Paris, France, September 14–22, under the sponsorship of the French Society of Theoretical and Applied Microscopy. The five sections of the congress will include electronic optics and microscopes, electronic diffraction, and metallurgic, chemical, and biological applications. U. S. scientists who have been named to serve on the Honorary Committee include F. O. Schmitt, professor of biology, Massachusetts Institute of Technology; R. W. S. Wyckoff, chief of the Section on Molecular Biophysics, National Institutes of Health; and L. Marton, chief of the Electron Physics Section, National Bureau of Standards. Those chosen for the General Committee are R. C. Williams, associate professor of physics, University of Michigan, and S. G. Ellis, research physicist, RCA Laboratories, Princeton, New Jersey. Committee lists are not yet complete. Those wishing to attend the congress should write immediately to the Secrétariat, Laboratoire de Cryptogamie du Museum National d'Histoire Naturelle, 12, rue de Buffon, Paris, France.

The New Orleans Academy of Sciences, on April 28, elected the following officers for 1950–51: president, Henry Bull, Southern Forest Experimental Station; vice president, Mary Rollins, Southern Regional Research Laboratory; secretary, Walter G. Moore, Department of Biology, Loyola University; and treasurer, Karlem Riess, Department of Physics, Tulane University.

The Iowa Academy of Science elected the following officers at its meeting last month: president, P. S. Helmick, Drake University; vice president, F. E. Brown, Iowa State College; editor, F. G. Brooks, Cornell College; and secretary-treasurer, Cornelius Gouwens, Iowa State College.

Deaths

Leland O. Howard, authority on insect pests, died May 1 at his home in Bronxville, New York, at the age of 92. Dr. Howard was head of the Department of Agriculture's Bureau of Entomology from 1894 to 1927, when he relinquished the directorship but remained as chief entomologist until he retired in 1931.

Ruric C. Mason, head of the Physics Department, Westinghouse Electric Corporation, died May 12 at his home in Pittsburgh. He was 47 years old. Dr. Mason was one of a group of scientists sent to Oak Ridge, Tennessee, in 1946 to study problems of atomic power plant development.

Leonas L. Burlingame, professor emeritus of biology at Stanford University, died at his home in Palo Alto, California, on April 8 at the age of 74. Dr. Burlingame's principal interests were plant morphology, the genetics of *Lupinus* and *Clarkia*, cytogenetics, and the genetics of human population. He was a former president of the Society of Sigma Xi.

Plane space to Europe is available on August 1 to scientists wishing to attend meetings abroad. The plane was chartered by the American Physiological Society to serve physiologists attending the 18th International Physiological Congress in Copenhagen August 15–18 and several places are still unfilled which must be taken if the charter is not to be canceled. Scientists attending scientific meetings in Europe are eligible, together with members of their families. The plane is a 44-passenger Pan American Constellation in regular transatlantic service. It will leave at 1:00 p.m., August 1, from Idlewild, Long Island, New York, and arrive in London August 2. Return may be made on any regularly scheduled plane. The round trip fare is \$500. Those interested should communicate at once with The Clara Laughlin Travel Services, Inc., 38 East 57th Street, New York City. Telephone, Plaza 9-7892.

An invitation to all artistically inclined chemists to submit their work for display at the National Chemical Exposition, to be held September 5–9 at the Chicago Coliseum, has been issued by Seymour Goldfarb, art exhibit chairman. The idea for the art exhibit originated with Harry N. Holmes, professor emeritus of chemistry at Oberlin College, a former president of the ACS, and an amateur painter. Members of the ACS and student affiliates may submit as many as three entries each. Chemists outside the continental U. S. may show two entries. Photographs and sculpture will not be accepted but any type of painting—oils, tempera, water color, etchings, and prints will be shown. Awards will be made in the various classes by a jury to be appointed. Exhibitors must pay their own transportation and insurance charges in transit, but the exposition will insure, unpack, hang, and repack all work submitted and return it without cost to the exhibitors. Inquiries should be addressed to Mr. Goldfarb at 86 East Randolph Street, Chicago 1.

Make Plans for—

Symposium on Theory of Electromagnetic Wave Propagation, June 6–8, New York University, New York City.

Stillwater Conference, cosponsored by the Foundation for Integrated Education and Oklahoma A & M College, June 6–9, Stillwater, Oklahoma.

Symposium on Nuclear Physics and Light Elements, June 8–9, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

American Electroencephalographic Society, 3rd annual meeting, June 9–11, **American Society of Neuropathologists**, June 11, **American Neurological Association**, annual meeting, June 12–14, Claridge Hotel, Atlantic City, New Jersey.

American Society of Medical Technologists, annual convention, June 11–15, Shamrock Hotel, Houston, Texas.

Symposium on Molecular Structure and Spectroscopy, June 12–17, Mendenhall Laboratory of Physics, Ohio State University.