

mation on crystals is being collected so rapidly, it is anticipated that further revisions will be required continually.

A conference of American editors, contributors and other interested crystallographers will be held at the university 25-26 April under the auspices of the Solid State Sciences Division of the Air Force Office of Scientific Research. Plans for the institute, which have been under consideration for several years, were furthered by a conference of leading crystallographers at Harvard University in 1956; two trips to Europe by Dr. Pepinsky in 1957; and discussions at the Congress of the International Union of Crystallography in Montreal last June. Pepinsky will go to Europe in June under a Guggenheim fellowship and a Smith-Mundt grant from the U.S. State Department. There he will complete the organization of the institute's editorial board. He also will make arrangements for contributions from many laboratories and will participate in conferences concerning the newly developed punch card data-handling methods.

Orthoptera

Current Research on Orthoptera is a new publication of the Anti-Locust Research Centre, 1 Princes Gate, London S.W. 7. It is a list of workers now engaged in research on Orthoptera, giving their names and addresses, and indicating the nature of their current work. Information was computed from a questionnaire that was sent out in 1956 to institutions and persons all over the world known to be engaged in research in the field. Out of 250 questionnaires sent, 215 were returned by workers in 37 different countries. It is hoped to issue, from time to time, similar lists of new research workers.

Grants, Fellowships, and Awards

Allergy. The Scientific and Educational Council of the Allergy Foundation of America has announced the availability of quarterly or summer scholarships at \$500 each in approved medical schools in the United States and Canada. These scholarships are available to students who have creditably completed their second or third year in medical school, and are to be for a minimum of 8 weeks of training in clinical and research allergy. Each medical school has been invited to submit the name of one applicant through the dean's office. Application must be accompanied by a supporting letter from the dean that outlines the candidate's medical school record, the proposed research project, and under whose sponsorship it will be carried out. Applications from individuals will not

be considered. All applications must be sent before 30 April to Dr. Robert A. Cooke, Chairman, Scientific & Educational Council, Allergy Foundation of America, 801 Second Ave., New York 17, N.Y.

Life Sciences. The Division of Biological and Medical Sciences of the National Science Foundation has announced that the next closing date for receipt of basic research proposals in the life sciences is 15 May. Proposals received prior to that date will be reviewed at the summer meetings of the foundation's advisory panels and disposition will be made approximately 4 months following the closing date. Proposals received after the 15 May closing date will be reviewed following the fall closing date of 15 September. Inquiries should be addressed to National Science Foundation, Washington 25, D.C.

Nuclear Science. The Atomic Energy Commission is inviting American colleges and universities to submit proposals by 1 May for the fifth series of grants to provide laboratory equipment for use in nuclear science and engineering instruction. Copies of the criteria used in evaluating proposals may be obtained from the Director, Division of Reactor Development, Atomic Energy Commission, Washington, D.C. Although the commission invites proposals at any time, cut-off dates are announced periodically.

Physical Sciences. The National Science Foundation has announced that physical scientists, mathematicians, and engineers who wish support to attend international meetings concerned with subjects in the physical sciences should submit applications for financial assistance prior to 30 June for travel between 1 October and 31 March, and prior to 31 December for travel between 1 April and 30 September. Requests for application forms should be addressed to the Assistant Director for Mathematical, Physical, and Engineering Sciences, National Science Foundation, Washington 25, D.C. Separate announcements will be made in appropriate journals with reference to specific international meetings dealing with biological and medical subjects for which the foundation can extend travel aid and the dates when travel applications will be received.

Steroid biochemistry. Applications are now being accepted for the third course in the training program for steroid biochemistry which will begin on 1 October. The program is sponsored by the National Cancer Institute of the National Institutes of Health to provide specialized training for individuals interested in steroid investigations. The program is conducted by personnel at the Worcester Foundation for Experimental Biology with the department of chemistry, Clark University, Worcester, Mass., and the department of biochemistry, College of

Medicine, University of Utah, Salt Lake City.

Two groups of candidates will be selected for training. Postdoctoral candidates having an M.D. or a Ph.D. degree will receive \$5000 for a 1-year training period extending from 1 October 1958 through 31 September 1959. The course will consist of laboratory instruction and lectures covering the theoretical and practical aspects of steroid research, and a period of research on a steroid problem with an established investigator.

Candidates having a B.S. or M.S. degree or equivalent training will receive \$1500 for a 6-month period extending from 1 October 1958 through 31 March 1959. The predoctoral program is intended to provide competency in the analysis of steroid substances for research and clinical laboratories.

The closing date for applications will be 1 June 1958. Requests for applications should be made to the Training Program for Steroid Biochemistry, Department of Chemistry, Clark University, Worcester, Mass., or to Dr. Kristen Eik-Nes, Department of Biochemistry, College of Medicine, University of Utah, Salt Lake City, Utah.

Scientists in the News

GEORGE W. CORNER of the Rockefeller Institute for Medical Research has been selected as the recipient of the \$5000 Passano Foundation Award for 1958. On 25 June, during the convention of the American Medical Association in San Francisco, a reception and dinner will be held for Corner at the St. Francis Hotel. He is being honored "for his long and continuing researches and their many fruitful contributions to the better understanding of mammalian anatomy and physiology, with particular emphasis on human reproduction." From 1940 until his retirement in 1955, Corner was director of the department of embryology at the Carnegie Institution. At present he is engaged in writing a history of the Rockefeller Institute for Medical Research.

F. P. BOWDEN of the Laboratory of Physical Chemistry, Cambridge, England, will arrive in the United States about 10 May, for a visit to Washington, D.C., and other cities.

The Department of Defense Distinguished Civilian Service Award, highest honor conferred on civilian employees by the department, has been presented to the following men: PAUL A. SIPPLE, scientific adviser to the chief of research and development, deputy chief of staff, research and development, Department of the Army, "for his significant contri-

bution throughout the past twenty years to scientific knowledge of the Antarctic region"; GREGORY K. HARTMANN, technical director, U.S. Naval Ordnance Laboratory, "in recognition of his technical and administrative direction of the Naval Ordnance Laboratory and his contributions to military science and technology, particularly in the fields of aeroballistics, physics, and explosives research"; CLAY G. HUFF, parasitologist, U.S. Naval Medical Research Institute, National Naval Medical Center, "in recognition of exceptional work in parasitology and particularly in original research on the malarial parasite"; JOHN W. HEIM, chief, physiology branch, Aero Medical Laboratory, Air Research and Development Command, "for 20 years of pioneering in the field of aeromedical research which provided basic knowledge required for high altitude manned flight and manned space flight and for his initiative in developing the *Handbook of Biological Data*"; DOYLE NORTHRUP, Headquarters Command, Department of the Air Force, "in recognition of pre-eminent service to the Department of Defense from February 1948 to November 1957 during which he served as technical director of an Air Force atomic energy organization directing and coordinating efforts of multiple military and civilian agencies in a scientific program of great national significance"; and CHARLES S. WEAVER, director, Office of Foreign Programs, Office of the Assistant Secretary of Defense (Research and Engineering), "for outstanding efforts in improving technical cooperation between the United States and its allies in the areas of science, intelligence, and security."

GEORGES H. WERNER, formerly research assistant professor of microbiology in medicine at the University of Pennsylvania, has been put in charge of the Virus Research Division of the Rhone-Poulenc Chemical Corporation, Paris, France, effective 1 May.

W. W. GRIGORIEFF, chairman of the University Relations Division of the Oak Ridge Institute of Nuclear Studies, will take a 1-year leave of absence to become chief of the exchange branch of the International Atomic Energy Agency's Division of Exchange and Training of Scientists and Experts. He will leave Oak Ridge on 15 May and will assume his new duties 1 June at IAEA headquarters in Vienna.

STEPHEN ROTHMAN will deliver the first Dohi Memorial Lecture in Niigata, Japan, on 24 May at the 57th annual meeting of the Japanese Dermatological Association. The lectureship, which was established at the suggestion

of Thomas B. Fitzpatrick of Portland and K. Kitamura and T. Kobori of Tokyo, honors Professor Keizo Dohi (1866-1931), the founder of Japanese dermatology. Each year a distinguished dermatologist is to be invited to the annual meeting of the Japanese Dermatological Association or to some other dermatological meeting to be held in Japan. The Dohi Memorial Lectureship has been created to provide for an exchange of lectures and discussion between Japanese and foreign dermatologists to promote progress in Japanese and world dermatology.

THEODORE H. REED has been appointed director of the Smithsonian Institution's National Zoological Park, Washington, D.C. Reed was first appointed to the staff in July 1955 as chief veterinarian, a position he held until 1 November 1956, when he became acting director upon the retirement of William Mann.

CLIFFORD C. CARR, professor of electrical engineering and chairman of the department of electrical engineering at the Pratt Institute Engineering School, has been named assistant dean of the Engineering School.

Four scientists from the United States were invited to speak before the Swiss Academy of Sciences, Lausanne, Switzerland, 27-29 March: WILLARD F. LIBBY, commissioner, U.S. Atomic Energy Commission; J. LAWRENCE KULP, Lamont Geological Observatory, Columbia University; ALEXANDER HOLLAENDER, Biology Division, Oak Ridge National Laboratory; and WRIGHT H. LANGHAM, assistant health division leader for biomedical research at the University of California's Los Alamos Scientific Laboratory.

Recent Deaths

CARLETON R. BALL, Washington, D.C.; 84; formerly agronomist with the U.S. Department of Agriculture, recently a member of the coordinating committee of the Tennessee Valley Authority, Department of Agriculture and State Experiment Stations; specialist in genus *Salix*; 2 Feb.

RAFE C. CHAFFIN, Los Angeles, Calif.; 76; surgeon and professor emeritus in gynecology at the College of Medical Evangelists; founder of the American College of Surgeons, vice regent and fellow of the International College of Surgeons; invented the Chaffin drainage tube, which became a standard tool in abdominal surgery; 23 Mar.

W. IRVING CLARK, Worcester, Mass.; 78; medical director at the Norton Company, Worcester; instructor in in-

dustrial medicine at Harvard University from 1919 to 1931 and clinical professor in 1940; 5 Apr.

LEONARD W. GOSS, Columbus, Ohio; 80; retired professor of veterinary pathology at Ohio State University, where he taught for 22 years; 2 Apr.

A. SPENCER KAUFMAN, Philadelphia, Pa.; 75; clinical professor of otology at Jefferson Medical College and chief of the ear, nose, and throat department of the Einstein Center, Northern Division; 30 Mar.

HARVEY L. LANTZ, Ames, Iowa; 70; horticulturist at Iowa State College since 1917; professor of horticulture and head of the pomology department of the Agricultural Experiment Station since 1945; 3 Apr.

KARL LARK - HOROVITZ, Lafayette, Ind.; 65; head of the department of physics at Purdue University since 1932 and a member of the AAAS Editorial Board since 1949; general secretary of the AAAS from 1947 to 1949; original member of the AAAS Cooperative Committee on the Teaching of Science and Mathematics and chairman of the committee from 1945 to 1950; 14 Apr.

D. T. MACDOUGAL, Carmel, Calif.; 93; director, department of botanical research, Carnegie Institution, 1905-28, and research associate, 1928-34; AAAS general secretary, 1922-24, and president of the AAAS Southwest Division, 1922; 22 Feb.

OTTO SANDVIK, Rochester, N.Y.; 65; head of the physics division at Kodak Research Laboratories in Rochester; known for his work on the physics of the developed image, spectral sensitivity of photographic emulsions, and the photographic aspects of sound recording; 8 Oct. 1957.

RICHARD A. STUDHALTER, Lubbock, Tex.; 70; professor of botany and first head of department of biology, Texas Technological College; specialist in *Riella* and *Ephedra*, and in tree rings; 28 Mar.

JAMES SWINBURNE, London, England; 100; a pioneer in plastic development; his work on phenolic resins at the beginning of the century was a major contribution to the development of the modern plastic industry; founder of Bakelite, Ltd.; 30 Mar.

HORATIO C. WOOD, JR., Philadelphia, Pa.; 84; professor emeritus of pharmacology and therapeutics at the University of Pennsylvania Hospital and professor emeritus of pharmacology at the Philadelphia College of Pharmacy and Science; 31 Mar.

Erratum: In the article "Color Defect and Color Theory" by C. H. Graham and Y. Hsia [*Science* 127, 675 (28 March 1958)], the last 13 lines in column 3, page 679, appear in reverse order. The bottom line should be read first, the second line from the bottom should be read second, and finally, the 13th line from the bottom should be read last.