

ROBERT S. HATCHER, former assistant chief of the U.S. Navy Bureau of Aeronautics in charge of research and development, has been appointed director of the Guggenheim School of Aeronautics, New York University College of Engineering. He also was named chairman of the department of aeronautical engineering, with the rank of professor.

He succeeds FREDERICK K. TEICHMANN, who has headed the Guggenheim School since 1945. Teichmann will devote full time to his duties as assistant dean in charge of the day division of the College of Engineering.

PHILIP L. KURTZ, practicing physician and assistant professor of medicine at Indiana University, has joined the research laboratories of Eli Lilly and Co., Indianapolis, Ind. He has been named editor of *De Re Medica*, Lilly reference book on therapeutics and pharmacology that is undergoing revision; in addition, while S. O. WAIFE is in military service, Kurtz will act as editor of the *Physician's Bulletin*, the company's monthly publication.

ROBERT G. PICARD, until recently manager of scientific instruments engineering for the Radio Corporation of America, has joined Central Scientific Co., Chicago, Ill., as director of research and engineering development. He replaces HARRIS M. SULLIVAN, who recently became associated with the General Electric Co. Picard has spent the past 12 years in the development of scientific instruments in the fields of chemistry, physics, biology, and metallurgy.

J. CHESTER BRADLEY, professor emeritus of the Cornell entomology department and a founder of the Entomological Society of America, has been elected an honorary fellow of the Royal Entomological Society of London. Only 11 Americans have been thus cited in the last 120 years. Outside of Great Britain, only 75 persons have ever been elected. In addition to Bradley, the only other living American so honored is R. E. SNODGRASS, Smithsonian Institution, Washington, D.C.

The American Cancer Society's Bronze Medal for "important contributions to the control of cancer for 1954" has been awarded to FRED W. STEWART, chief of the department of pathology at the Memorial Center for Cancer and Allied Diseases, New York.

JERROLD R. ZACHARIAS, director of the laboratory for nuclear sciences and engineering of the Massachusetts Institute of Technology, has been presented the Certificate of Appreciation, the Defense Department's highest civilian honor. The

citation stated that Zacharias, "by serving as director of a series of military-scientific study projects of great national significance, has rendered exceptionally distinguished service and has given major impetus to the scientific progress of the United States Navy and Air Force."

ALFRED B. FOCKE, physicist, has been named director of the Marine Physical Laboratory of the University of California's Scripps Institution of Oceanography. He succeeds CHARLES S. WRIGHT, who has retired. Focke has been a member of the Scripps staff since 1954, before which he was associate technical director of research for the U.S. Navy Electronics Laboratory.

R. J. POOL, emeritus professor of botany at the University of Nebraska, will serve as visiting professor of botany at Southern Illinois University during the coming academic year. Pool was an active member of the Nebraska faculty for 42 years, and for 33 of those years he was chairman of the botany department.

MARTIN M. WINBURY, formerly of G. D. Searle and Co., Chicago, Ill., has been appointed senior pharmacologist in the pharmacology research department of Schering Corp., Bloomfield, N.J.

## Necrology

ARTHUR VON KROGH ANDERSON, State College, Pa., 65, professor emeritus of physiological chemistry at Pennsylvania State University, 8 July.

EDWARD P. CARTER, Bronxville, N.Y., 85, retired associate professor of medicine at Johns Hopkins University, 31 July.

ISAAC M. CLINE, New Orleans, La., 94, meteorologist and author, retired head of the New Orleans Weather Bureau, 3 Aug.

PETER J. DULLIGAN, SR., Brooklyn, N.Y., 71, former senior surgeon of St. Mary's Hospital, Brooklyn, 29 July.

FREDERICK D. HERBERT, Upper Montclair, N.J., 81, retired president and director of the Kearfott Co., Inc., makers of airplane instruments and electromechanical components, 4 Aug.

SOLOMON R. KAGAN, Boston, Mass., retired physician and author, 29 July.

JOHN I. MEAGHER, Washington, D.C., 65, retired colonel, U.S. Army Medical Corps, assistant medical director at the University of Maryland, 1 Aug.

ARNE MÖLLER, Copenhagen, Denmark, librarian of the Danish Technical University, president of the International Federation for Documentation, 27 June.

DANIEL P. MOWRY, Montreal, Canada, 61, dean of the faculty of dentistry at McGill University, 2 Aug.

ARVID E. ROACH, Detroit, Mich., 35, supervisor of bearing development for the General Motors Research Laboratories, 28 July.

GEORGE H. ROUNDS, Yarmouth, Me., 79, retired professor of psychology at Columbia University, author, 29 July.

FRANCIS J. STOKES, Philadelphia, Pa., 81, founder and chairman of the board of the F. J. Stokes Machine Co., 1 Aug.

PAUL L. TARRARA, Rochester, Minn., 67, retired head of the Mayo Clinic chiropody department and president emeritus of the American Association of Hospital Chiropodists, 28 July.

SAMUEL WEISS, Washington, D.C., executive director of the American Statistical Association, 23 July.

NORMAN C. YARIAN, Cleveland, Ohio, 84, former chief of staff at Lutheran Hospital and instructor at Ohio Wesleyan University and Western Reserve University Medical School, 28 July.

LLOYD N. YEPSEN, New Lisbon, N.J., 58, psychologist and superintendent of the New Lisbon State Colony for the Feeble-minded, 1 Aug.

## Education

■ A new degree, doctor of science in veterinary medicine, has been established at Cornell University. The D.Sc. in V.M. will be a professional degree for advanced study in such clinical practices as medicine, surgery, and therapeutics. The program was set up because it is felt that specialization in veterinary medicine has reached a point where the traditional Ph.D. program no longer suffices for all the various types of advanced training that are needed.

A new division of veterinary medicine in the Cornell Graduate School will administer the program. Applicants for admission must have graduated from an approved school of veterinary medicine at least 5 years previously and must have published papers demonstrating their ability in independent research.

Candidates with no graduate credit beyond their D.V.M. degree must complete at least 2 years of full-time study for the doctor's degree, and candidates with a master-of-science degree must complete at least 1 year.

■ The U.S. Public Health Service's Venereal Disease Program has announced that nine laboratory refresher courses covering the serology of syphilis, management and control of syphilis serology by the regional laboratory, and tests for syphilis using the *Treponema pallidum* will be offered at the Venereal Disease Research Laboratory in Chamblee, Ga., from Sept. 1955 through May 1956.

Applications for any of the courses must be signed by the state health officer

or state laboratory director unless the applicant is an employee of the Public Health Service. In such instances, application must be approved by the medical officer-in-charge. Correspondence about these courses should be addressed to: Director, Venereal Disease Research Laboratory, Division of Special Health Services, PHS, Department of Health, Education, and Welfare, P.O. Box 185, Chamblee, Ga.

■ The *Handbook For Teaching Conservation and Resource-use*, a 450-page book just completed by the National Association of Biology Teachers, describes the best means of helping children understand the importance of natural resources. The publication was prepared by 200 teachers from 30 states. The how-to-do-it stories and 82 illustrations will be helpful to other teachers and youth leaders.

The material for the *Handbook* was collected by the NABT National Conservation Committee. Since its initiation in 1951, the project has been directed by Richard L. Weaver of the School of Natural Resources, University of Michigan. The work was financed by a grant from the American Nature Association.

The volume may be obtained from Dr. Weaver, Box 2073, Ann Arbor, Mich. The cost is \$4 per copy, but schools will be allowed a 20-percent discount. The proceeds will be used by the committee to continue its conservation education activities in the various states.

■ The Michigan State Board of Agriculture has announced that, by action of the Legislature, the name of Michigan State College of Agriculture and Applied Science has been changed to Michigan State University of Agriculture and Applied Science.

■ An appeal to the Nation's publishers to help stimulate interest in high-school mathematics and science courses has been made by the president of the National Society of Professional Engineers. In a letter addressed to approximately 800 publishers of daily newspapers, Allison C. Neff, of Middletown, Ohio, newly installed president of the 36,000-member engineering group, asked the help of the press as a first step to "stem the tide of students away from elementary mathematics, physics and chemistry."

Neff, vice president of Armco Drainage and Metal Products, Inc., asked publishers to consider these facts: (i) only about 25 percent of our high-school students now study algebra; (ii) only about 12 percent of our high-school students now study geometry; (iii) there are many small, and even some large, high schools that offer no courses in the physical sciences.

■ A special radiation biology course, one of the few offered in the United States, is being given for the second summer at the Duke University Marine Laboratory, Beaufort, N.C. The 6-wk course, which commenced 26 July, centers around study of how radiation affects living creatures. It provides background information and instruction in laboratory procedures for persons interested in radiation and radioisotope studies.

The biology division of the Oak Ridge National Laboratory is again cooperating with Duke in presenting the course. Five Oak Ridge scientists are visiting lecturers: Norman G. Anderson, physiologist; Alan D. Conger, cytologist; J. R. Totter, biochemist; Charles W. Shepard, physicist; and A. C. Upton, pathologist.

The course includes laboratory study of the effects of radiation on both sperm eggs and cell division of marine organisms, as well as its effects on mammals, animal tumors, and plant chromosomes. A cobalt radiation source supplied by the Oak Ridge Laboratory is the principal tool.

■ The University of Chicago has approved two new courses leading to the M.S. degree in radiological physics and in health physics. Both degrees will be awarded by the department of radiology, and students will be accepted in the fall quarter. Students entering these courses should have completed the equivalent of the University of Chicago B.S. degree in physics; they must, in any case, complete all of the requirements for the master's degree.

Two years' residence is required because of the broad scope of the academic program, the second year of which is spent one-half time in academic work and one-half time in service in the department at a nominal rate of pay. Two years of course work give the student a strong background in physiology, biochemistry, biophysics, anatomy, toxicology, and radiological physics. Additional information may be obtained from Lester S. Skaggs, Department of Radiology, University of Chicago, 950 E. 59 St., Chicago 37, Ill.

### Grants, Fellowships, and Awards

■ In addition to inviting Fulbright award applications [*Science* 122, 117 (15 July 1955)], the Committee on International Exchange of Persons of the Conference Board of Associated Research Councils has announced the availability of awards for lecturing abroad under the Smith-Mundt Act. In 1956-57 a limited number of grants will be provided for lecturing in about 30 countries, including, according to present plans, Brazil, Chile,

China (Taiwan), Colombia, Costa Rica, Cuba, Ecuador, Egypt, Guatemala, Haiti, Iceland, Indo-China, Iran, Israel, Korea, Lebanon, Mexico, Pakistan, Panama, Paraguay, Peru, Portugal, Spain, Switzerland, Syria, Turkey, Uruguay, and Venezuela.

Universities and colleges in these countries are expected to request American lecturers for the academic year, or occasionally for shorter periods, in a wide variety of fields. On the basis of past experience, the committee expects the science requests to be concentrated in agriculture, anthropology, chemistry, engineering, geology, mathematics, physical education, physics, psychology, and sociology.

Foreign universities usually communicate their needs to the Conference Board committee at intervals throughout the year, generally a year in advance, but in some cases only 2 to 3 mo before the starting dates of the lectureships. Under these circumstances, the committee believes it advisable not to issue program announcements and invite applications, but, instead, to ask interested professors to register with the committee. The register will be consulted for qualified candidates for lectureships under the Smith-Mundt Act, and also for lectureships that remain unfilled in the exchange program under the Fulbright Act after the review of applications submitted in the open competition.

Persons wishing to register must be citizens of the United States. In general they will be expected to have had at least 1 year of college or university teaching experience in the United States or abroad. The committee invites correspondence from professors interested in lecturing abroad, either in the immediate or indeterminate future. For information write the Conference Board of Associated Research Councils, Committee on International Exchange of Persons, 2101 Constitution Ave., Washington 25, D.C.

■ The Arthritis and Rheumatism Foundation is offering the following fellowships for research in the basic sciences related to arthritis: (i) predoctoral fellowships ranging from \$1500 to \$3000 per annum, depending on the family responsibilities of the fellow, tenable for 1 year with prospect of renewal; (ii) postdoctoral fellowships ranging from \$4000 to \$6000 per annum, depending on family responsibilities, tenable for 1 year with prospect of renewal; (iii) senior fellowships for more experienced investigators that will carry an award of \$6000 to \$7500 per annum and are tenable for 5 years.

*The deadline for applications is 15 Oct.* For information, address the Medical Director, Arthritis and Rheumatism Foundation, 23 W. 45 St., New York 36.