

Rochester will be on leave during the coming academic year to serve as a visiting professor at American University, Beirut, Lebanon.

WLADIMIR SEIDEL of the University of Rochester has been appointed to a professorship at the University of Notre Dame.

R. C. T. SMITH of the University of New England, Armidale, Australia, has been appointed a visiting lecturer at Massachusetts Institute of Technology.

W. S. SNYDER of the University of Tennessee has been appointed to the staff of the Oak Ridge National Laboratory, Oak Ridge, Tenn.

KURT STREBEL of the Institute for Advanced Study has been appointed professor at the Université de Fribourg, Switzerland.

LOUIS G. DUNN has been promoted from associate director to director of the guided missile research division of the Ramo-Wooldridge Corp., Los Angeles, Calif.

CORBIN ALLARDICE has left his post as executive director of the Joint Committee on Atomic Energy to accept the newly created position of atomic energy adviser to the International Bank for Reconstruction and Development, Washington, D.C.

Necrology

CHARLES C. ADAMS, Albany, N.Y., 81, ecologist, former director of New York State Museum, one of the founders and a past president of the Ecological Society of America, and a AAAS member for 54 years, 22 May.

CHARLES P. BERKEY, Palisade, N.J., 88, geologist and water supply expert, former head of the department of geology at Columbia University, and a AAAS member for 54 years, 22 Aug.

ROBERT B. CAMPBELL, Fort Myers, Fla., 63, geologist consultant in western Canada and Florida, 16 Aug.

CHARLES A. DICKENS, Fort Lauderdale, Fla., 76, former professor of psychology at the University of Maine, 23 Aug.

HORACE EDWIN HAYDEN, New York, N.Y., 71, biologist, and bibliographer and editor for New York University, the New York Public Library, and Charles Scribner's Sons, 22 Aug.

(CARL) LELAND HORBERG, Chicago, Ill., 45, associate professor of geology, University of Chicago, editor of the *Journal of Geology*, former president of the Association of Geology Teachers, and secretary of AAAS Section E—Geology and Geography, 1949–52, 18 Aug.

J. ALBERT KEY, Wesco, Mo., orthopedic surgeon and professor emeritus of

clinical orthopedic surgery at Washington University School of Medicine, 6 Aug.

CARL D. LA RUE, Ann Arbor, Mich., 67, botanist and researcher at the University of Michigan, 19 Aug.

EDUARD PERNKOPF, Baltimore, Md., 67, anatomist, professor emeritus of the University of Vienna and director of the Institute of Systematic Anatomy, 17 Apr.

Education

■ The University of Pennsylvania has announced that its Edgar Fahs Smith Memorial Collection in the History of Chemistry has been reopened for service in new quarters in the Hare Building, 36 and Spruce Sts., Philadelphia. Originally consisting of some 7000 items, the collection has grown to include more than 9000 books and pamphlets, nearly 1400 manuscripts, 3400 portrait prints and medals of chemists, and various items of chemical apparatus. Acting curator of this collection, which is one of the largest of its kind in the United States, is Claude K. Deischer, assistant director of the university's Harrison Laboratory of Chemistry.

■ Plans for the establishment of a pilot Cardiovascular Training Center for Nurses have been announced by the U.S. Public Health Service. The first of its kind, the center will be located at the University of Minnesota School of Public Health, starting 1 Jan. 1956. Cooperating with the Public Health Service in the project are the Minnesota Department of Health and other agencies in Minneapolis and St. Paul.

Nurses for the first group to train at the center will be drawn chiefly from consultant, supervisory, and instructor positions. Candidates will represent the various fields of nursing—hospital, industrial, education, and public health. Applications for the training center are being received at the University of Minnesota School of Public Health. Early applications are urged since the first group will be limited; studies are scheduled for one quarter.

Grants, Fellowships, and Awards

■ Two Frank L. Chance research fellowships, one in hematology and one in medical oncology, are to be awarded by the City of Hope Medical Center. Inquiries should be directed to Dr. Howard Bierman, City of Hope Medical Center, Duarte, Calif. *The deadline date is 1 Oct.* These fellowships were established by the late Mrs. Frank L. Chance in honor of her husband, the Chicago Cubs baseball player who was a member of

the double-play team, Tinker-to-Evers-to-Chance.

Five fellowships are available each year for periods of from 1 to 3 years. Fellows selected hold an appointment in the center's Medical Research Institute, with a dual title in one of the center's hospitals if the research to be conducted is of a clinical nature. The annual stipend varies from \$3000 to \$5000, depending upon the previous training of the candidate.

The fellowships were designed to afford special training in the fields in which the City of Hope Medical Center is engaged. These are (i) tumors and allied diseases; (ii) hematology; (iii) cardiac disease amenable to surgery; and (iv) cardiorespiratory diseases.

■ American Cancer Society clinical fellowships in radiation therapy are offered in 1956–57 to properly qualified graduates in medicine who have already received thorough basic training in the principles and practice of radiation therapy, and who desire to spend additional periods of training in that specialty at certain clinics in the United Kingdom, the Scandinavian countries, and France. Fellowships are available to citizens of the United States who are graduates of recognized medical schools in the United States, who have previously received training in the therapeutic radiology acceptable to the American Board of Radiology as credit toward certification, and who are under 40 years of age. In the selection of applicants, priority will be given to physicians who are already certified by the American Board of Radiology, and who have completed the required training in preparation for board examinations but who have not yet taken the examinations, and those who are still in the training period but who intend to complete board requirements and take the examinations.

The annual stipend is \$4500 per year, including travel. When a fellowship is awarded, an initial travel fund of \$900 will be paid to the recipient. The remainder of the stipend will be paid in advance in monthly installments of \$300, beginning with the fellowship period.

The fellowship period shall be 1 year, although in exceptional circumstances, and when there is no competition with new applications, renewal for a year or less will be considered. Fellowships may commence at any time mutually agreeable to the institution and the fellow.

Fellows may choose to spend the entire fellowship year in one institution or to divide the time between two or more; in the latter case, however, at least 8 months must be served in a single institution in order that a reasonable measure of practical experience, rather than observation only, may be assured.

All arrangements for affiliation with foreign institutions in which the fellowship year is to be passed are to be made by the fellow or his preceptor directly with the appropriate officials in those institutions, and the American Cancer Society will assume no responsibility therefor. Such arrangements will be made after the fellowship is awarded, and only the contemplated program need be submitted with the application. Candidates must file three letters of recommendation with their application. Further information and application forms may be obtained from the American Cancer Society, Inc., Professional Education Section, 521 W. 57 St., New York 19.

In the Laboratories

■ The Sun Oil Co. has organized a new applied physics section in order to keep pace with advances in petroleum refining technology and the growing use of radioactive tracers, electronic computers, and data logging devices. This new section is part of the engineering division of Sun's manufacturing department and is located at Newtown Square, Pa. E. Neil Shawhan has been appointed manager of the section, and Einar T. Young has been named assistant manager.

■ Dedication last month of a new \$5-million Metals and Ceramics Building at the General Electric Research Laboratory, Schenectady, N.Y., concluded a week-long program of conferences and seminars attended by some of the nation's leading scientists, professors of metallurgy and ceramics, and representatives of the G.E. operating components to be served by the new laboratory facility. Principal speaker at the dedication ceremony was Donald A. Quarles, Secretary of the Air Force.

Completion of the structure is part of the \$13-million expansion program for the research laboratory that was announced last year. The objectives of the new laboratory are (i) to ascertain and analyze the areas of most critical need for materials and processes; (ii) to develop new processes for new businesses; (iii) to develop new materials to improve products; (iv) to study existing materials and obtain a better understanding of their properties and processing; and (v) to operate pilot plants and obtain economic data.

The establishment of the Metals and Ceramics Building includes the organization of a group of scientists to seek out and solve problems pertaining to materials and processes wherever they may appear in the company. Thus, amid facilities of both laboratory and industry

size, the findings of G.E.'s metallurgists, ceramists, physicists, and chemists can be applied to the kinds of problems that are now faced at the designer's level.

Miscellaneous

■ A limited supply of radioactive Δ^4 -androst-11 β -ol-3,17-dione and 21-deoxyhydrocortisone is now available to qualified investigators, free of charge, through funds supplied by the U.S. Public Health Service's National Institute of Arthritis and Metabolic Diseases. Both substances are labeled at position 4 with carbon-14. The first compound has a specific activity of 1.47 millicuries per millimole, and the second has a specific activity of 0.095 millicuries per millimole.

Both compounds were prepared by Harold Levy and Stanley Kushinsky of the Worcester Foundation for Experimental Biology. The first was biosynthesized from 4-C¹⁴ progesterone; the second was made by chemical conversion from 4-C¹⁴ hydrocortisone.

This announcement represents another step in the institute's program to provide materials for advancing the knowledge of endocrinology, particularly the mode of action of hormones. In 1953 NIH announced the availability of ring-labeled, radioactive cortisone and hydrocortisone, which have been used by approximately 50 laboratories throughout the world in metabolism studies of these hormones. Both of these tagged compounds, as well as several intermediates, may still be obtained in small quantities.

Requests, in the form of a letter concisely describing the proposed research, may be sent to the Endocrinology Study Section, Division of Research Grants, National Institutes of Health, Bethesda 14, Md. Transfer and use of these materials is subject to current Atomic Energy Commission regulations.

■ The Department of Commerce has undertaken, through a cooperative arrangement with the Atomic Energy Commission, to make public as promptly as possible nonclassified AEC research reports of industrial significance. As the first action of this program, on 22 Aug. 961 of the most important reports selected from the AEC accumulation of research were made available through Commerce's Office of Technical Services. About a third of these reports have had limited circulation in the past, but most of them have not been previously published.

These reports cover many areas of scientific and industrial interest, including chemistry, geology, metallurgy, mineralogy, ceramics, instrumentation, physics,

ics, and reactor technology. They range from general studies such as *Fission Products Utilization* to such titles as *Radiation Stability of Plastics and Elastomers*, *Surface Preparation of Zirconium for Brazing*, and *The Titanium-Vanadium System*.

The AEC will turn over to Commerce on a continuing basis reports of new research as well as additional reports of earlier research as they are released.

The 961 reports are identified in a *List of AEC Research Reports for Sale*, which may be obtained free from the Office of Technical Services. Reports released in the future will be abstracted in OTS's monthly publication *U.S. Government Research Reports*, available at \$6 a year from the Superintendent of Documents, Government Printing Office. They will also be listed in subsequent *Lists of AEC Research Reports for Sale*, which will be published twice a year.

■ Competitive examinations for appointment of physical therapists as commissioned officers in the regular corps of the U.S. Public Health Service will be given at central points throughout the country on 15, 16, and 17 Nov. Candidates will be examined at the centers nearest their homes. *Applications close 15 Oct.* Entrance pay for the positions available ranges from \$4268 to \$6017 per annum.

Further information can be obtained from the Division of Personnel, U.S. Public Health Service, Department of Health, Education, and Welfare, Washington 25, D.C. Applicants will be notified where to go for examinations.

■ The American Dental Association has announced plans for a new journal, *Dental Abstracts*. The first issue is scheduled for January 1956.

Dental Abstracts will contain summaries of articles drawn from all the important dental publications in the world. In addition to material from English-language journals, a single issue may include translated material from articles originally printed in German, French, Swedish, Italian, Spanish, or several other languages, according to Lon W. Morrey of Chicago, Ill., ADA editor.

The new publication has a dual purpose: (i) to provide a brief monthly survey of dental progress throughout the world; (ii) to give readers enough information about an article to enable them to determine whether or not they need to read the original in its entirety. A charter subscription may now be obtained by mailing a check for \$6 to the American Dental Association, Subscription Department, 222 E. Superior St., Chicago 11, Ill.