

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.