

pated doubling of the college population in Southern California during the next 12 years.

For 30 years prior to his death last April, Mudd was active in the development of the group plan of colleges at Claremont. He served as chairman of the board of Claremont College, central coordinating institution, for 18 years and as a trustee for 29 years. The Mudd family is taking an active part in plans for the development of the new college.

Under the Claremont plan, the new college will share in the use of the central buildings and facilities of the Associated Colleges, including Honnold Library, Bridges Auditorium, the science building, and the medical buildings and services. The present member colleges are Pomona College, Scripps College, Claremont Men's College, and Claremont College.

■ A new Mental Health Research Institute has been established at the University of Michigan within the department of psychiatry, of which Raymond W. Waggoner is chairman. The chief of the institute is James G. Miller, and other senior personnel are Ralph W. Gerard and Anatol Rapoport.

The purpose of the new institute will be centered around the development of a general theory of behavior, with empirical work in both biological and social behavioral sciences. Special attention will be paid to the application of such research to problems of mental health and disease.

■ High-school seniors who are competing for Westinghouse science scholarships in the 15th annual Science Talent Search must mail entries to the Science Clubs of America, 1719 N St. NW, Washington, D.C., by 27 Dec. Open to all seniors in secondary schools, the search is conducted by SCA through Science Service. Scholarships are awarded by the Westinghouse Educational Foundation, which is supported by the Westinghouse Electric Corporation.

■ The first section of the first sky atlas [*Science* 122, 323 (19 Aug. 1955)] has been presented to Amherst College by the National Geographic Society. The gift was made in honor of Gilbert H. Grosvenor, chairman of the board of the society.

On its completion, which will require 8 years, the atlas will contain photographs of all the sky that can be seen from Mount Palomar in California—about 70 percent of the world's total visible sky. The mapping project, on which the society and the Palomar Observatory are cooperating, was begun in 1949.

■ A new graduate program to train laboratory associates in the biological sciences is being sponsored by Hunter College with assistance from the Alfred P. Sloan Foundation. The program is designed to alleviate the acute shortage of personnel in research laboratories.

■ Yale University has announced purchase of a 1-million-volt Van de Graaff particle accelerator. According to Franklin Hutchinson of Yale's newly established biophysics department, the accelerator will be the basis for a study of the use of ionizing radiation to determine the structure and function of cell components.

■ Two detailed courses in specialized phases of documentation will be offered this spring as part of the expanding program of the School of Library Science at Western Reserve University. Classes in "Machine literature searching" and in "Language engineering" have been announced. Course instructors will be James W. Perry and Allen Kent, director and associate director, respectively, of the university's Center for Documentation and Communication Research.

Grants, Fellowships, and Awards

■ Research grants approved by the Tobacco Industry Research Committee in the last year now amount to more than \$838,000 with the announcement of 19 new grants and 9 renewals. The committee sponsors research on the use of tobacco; this work is conducted by independent scientists at recognized hospitals, laboratories, and medical schools throughout the country. The committee has set up a \$1-million research fund and has pledged more support as the need develops.

Grants are made on recommendation of a nine-member scientific advisory board that directs the committee's research program and policy. Chairman of the board and also scientific director of the committee is Clarence Cook Little, head of the Roscoe B. Jackson Memorial Laboratory at Bar Harbor, Me.

■ The University of Florida College of Medicine, Gainesville, will admit its first class in September 1956. Facilities for graduate study have been provided in the new \$5-million Medical Sciences Building, which is to be the first unit in the J. Hillis Miller Health Center.

Graduate teaching assistantships and research fellowships in the basic medical sciences will be available to qualified candidates for advanced degrees. Applications must be received by 1 Mar. 1956. Further information may be obtained from the dean.

■ The International Academy of Proctology announces its Annual Cash Prize and Certificate of Merit award contest for 1955-56. The best unpublished contribution on proctology or an allied subject will be awarded \$100 and a certificate. Certificates also will be awarded to physicians whose entries are of unusual merit. This competition is open to all physicians in all countries, whether or not they are affiliated with the academy.

The formal award of the first prize and presentation of certificates will be made on 26 Apr. 1956 during the annual dinner dance of the academy at the Drake, Chicago, Ill. All entries are limited to 5000 words; they must be typewritten in English and must be submitted in quintuplicate. Manuscripts must be received by 1 Feb. 1956. Entries should be addressed to the International Academy of Proctology, 147-41 Sanford Ave., Flushing, N.Y.

■ The 1956 Freeman fellowship for study or research in hydraulics has been announced by the American Society of Mechanical Engineers. ASME and the American Society of Civil Engineers are joint administrators of the fellowship fund. The Freeman Award Committee makes awards through these societies in alternate years. This year the award could reach \$3000, depending on the need claimed in the application.

Any qualified member of one of the two societies who is an American citizen may apply for the fellowship. He must submit a study or research program covering a period of at least 9 months beginning in 1956. Interested persons should submit applications before 1 Feb. 1956 to the Freeman Award Committee, American Society of Mechanical Engineers, 29 W. 39 St., New York 18.

■ The Engineering Foundation, New York, which administers the income from a \$1.5 million fund dedicated to the stimulation of engineering research, has now made available its allocations for the 1955-56 fiscal year. In its announcement, the foundation points out that, although its income of about \$50,000 seems very modest in comparison with the present-day scale of research expenditures, it has served to nurture in their early stages many research programs that have ultimately attracted large-scale financial support from other sources and become projects of major import.

This year's grants total \$61,850. They will advance 26 projects that are receiving estimated outside support of \$426,000. The projects, which cover a wide range of research, are being carried out in university laboratories all over the country under sponsorship of the major engineering societies.

■ The M. D. Anderson Hospital and Tumor Institute has announced a program of cancer fellowships and residencies. Facilities and equipment for therapy and research in the field of malignant diseases are provided for qualified applicants seeking training and research opportunities in oncology. The hospital has 80,000 feet of space devoted to research, clinics equipped to handle 100 new patients and 200 revisits daily, a cobalt-60 irradiator and betatron, and radioactive isotope facilities.

Fellowships and residencies are under the auspices of the University of Texas Postgraduate School of Medicine. Participation in fundamental cancer research, as well as a broad program of education in the Texas Medical Center, is offered. For further information and application forms write to Dr. Grant Taylor, Office of Education, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston 25.

In the Laboratories

■ Plans to enlarge its facilities for manufacturing glass electronic components in Bradford, Pa., have been announced by the Corning Glass Works. The expansion at Bradford, including the eventual installation of automatic resistor and capacitor production equipment, is part of the company's plan to manufacture and sell components to all parts of the electronics industry.

■ The organization of Bjorksten Research Laboratories for Industry, Inc. to perform industrial and other types of non-government research has been announced by Johan Bjorksten, president of Bjorksten Research Laboratories, Inc. Both companies are located in Madison, Wis., with branch offices in New York; Chicago; Washington, D.C.; Dayton and Cleveland, Ohio; and Houston, Tex.

In order to concentrate fully on the development of military research, Bjorksten Research Laboratories, Inc., will function as a special laboratory exclusively for the performance of contracts for branches of the Armed Forces and various Government agencies.

■ General Electric Research Laboratory, Schenectady, N.Y., has established a European office and appointed George J. Szasz as the laboratory's first scientific representative abroad. The purpose of the new office is to strengthen scientific contacts between the G.E. laboratory and basic research activities being conducted in Europe.

As a major part of his activities, Szasz will travel throughout Western Europe, attending scientific meetings and visiting laboratories that conduct fundamental

research in scientific areas of interest to General Electric.

From 1948 until his recent resignation to accept the new post, Szasz was with the London branch of the U.S. Office of Naval Research; for the past year he has served as the branch's deputy scientific director. For the present, Szasz will maintain an office with the International General Electric, Ltd., Crown House, Aldwych, London, W.C.2.

■ The Raytheon Manufacturing Company held open house on 3 Dec. at its newly completed electronics laboratory in Wayland, Mass. The \$2.5-million, two-story brick structure is situated on a 73-acre site. It has a total floor space of approximately 225,000 square feet, including more than 5 acres of laboratories, offices, drafting rooms, and machine shops. Approximately 1200 employees are housed in the new building. Engineering activities that were formerly carried out in seven separate localities have been consolidated in the Wayland building; most of the vacated floor space in the older buildings has been reassigned to the manufacturing and warehousing operations of the firm.

Miscellaneous

■ Edward Teller tells the story of the atom in a series of three programs released 18 Dec. by the Educational Television and Radio Center, Ann Arbor, Mich. The series is being telecast over the nation's network of educational television stations.

■ Supplementary printed material for the 26-minute sound film *Seifriz on Protoplasm* has been released, and is available free from the Educational Film Library Association, 345 E. 46 St., New York. The film, which was made by the late William Seifriz, professor of botany at the University of Pennsylvania, has won many awards, including a first prize at the Cleveland Film Festival and the highest honor of the Edinburgh Film Festival.

The study guide, which is useful even without the film, consists of an introduction to the study of protoplasm, an amplified summary of the film, and bibliographic references. The reel is for sale at \$90 from EFLA, to which rental inquiries may also be directed.

■ A full-scale model of a projected earth satellite will be put on exhibition on 20 Dec. at the American Museum-Hayden Planetarium, New York. The model, 18 inches in diameter, was designed and built by *Popular Science Monthly* after consultation with scientists working on the program to launch an artificial earth

satellite during the International Geophysical Year. An identical model is being presented to the U.S. National Committee for the IGY. The exhibit at the Planetarium will be supplemented by panels describing the operation and uses of the proposed satellite.

■ A competitive examination for appointment of Veterinary Officers to the regular corps of the U.S. Public Health Service will be held in various places throughout the country on 28 and 29 Feb. and on 1 Mar. These examinations provide opportunities for career service in the field of veterinary medicine, research, and public health. Appointments will be made in the ranks of assistant and senior assistant, equivalent to Navy ranks of lieutenant (jg) and lieutenant.

Entrance pay for an assistant veterinarian with dependents is \$6017 per year; for senior assistant veterinarian with dependents, \$6918. Qualified officers are promoted at regular intervals.

Requirements for both ranks are U.S. citizenship, age of at least 21 years, and graduation from a recognized school of veterinary medicine. For the rank of assistant veterinarian, at least 7 years of college and professional training and appropriate experience are needed. For senior assistant veterinarian, an additional 3 years, for a total of at least 10 years of college and professional training and appropriate experience, are required.

Application forms may be obtained from the Chief, Division of Personnel, Public Health Service, Department of Health, Education, and Welfare, Washington 25, D.C. Completed application forms must be received in the Division of Personnel no later than 3 Feb. 1956.

■ The American Industrial Hygiene Association has announced the publication of a series of information bulletins, called *Hygienic Guides*, that will be made available to industry and other interested persons. The purpose of the *Guides* is to provide authoritative information on the toxicity of common industrial materials and to bring together all the pertinent information required for hazard evaluation.

Guides will be prepared on all the common industrial chemicals and materials and each one will include information on the following: maximum allowable concentration for both short- and long-term exposures; significant chemical and physical properties; major uses; evaluation of exposures; engineering control procedures; medical control procedures; and references to literature.

Hygienic Guides sheets may be obtained for 25 cents each from the American Industrial Hygiene Association, 14125 Prevost, Detroit 27, Mich.