

The regular instruction is supplemented by lectures on specialized topics by members of the Argonne National Laboratory staff. Also there are occasional lectures by staff members of other AEC installations and by scientists and engineers in the nuclear and related fields.

In general, the curriculum is concerned with (i) production of reactor materials; (ii) design, construction, and operation of research and material-testing reactors; (iii) equipment and procedures for conducting research and development with these reactors; (iv) handling and processing of irradiated materials produced in research and materials-testing reactors; (v) utilization of the radioactive products of reactors; and (vi) principles of design, construction, and operation of nuclear power plants.

■ A \$59,650 Kellogg Foundation grant has been awarded to the University of Minnesota for further development of its course in hospital administration. The grant is to be used over a 3-year period for research work in hospital administration, integration of the on-campus and off-campus teaching programs, and preparation of textbook material.

Edith Lentz, who has just completed a 5-year Kellogg Foundation study of hospital personnel at Cornell University, will be the course's first director of research. Bruce Butters, an alumnus of the Minnesota hospital administration course who has recently returned from 3 years in the Army Medical Corps, will assemble materials for textbooks.

■ The University of Michigan board of regents has approved the division of one of the departments in the College of Engineering into two separate units and discontinuance of the department of production engineering. The present department of mechanical engineering will be divided into the department of mechanical engineering and the department of industrial engineering. All of the changes will become effective during 1956-57.

Under the change, the personnel, budget and other resources of the department of production engineering will be distributed between the reorganized department of mechanical engineering and the department of chemical and metallurgical engineering. The reorganization is expected to strengthen the curricula in industrial, mechanical, and metallurgical engineering.

Grants, Fellowships, and Awards

■ Recognizing that geography in America suffers because few American geographers are doing field research in foreign areas, the National Academy of Sci-

ences-National Research Council has initiated a program of support to enable young geographers to carry out field investigations abroad. Preference will be given to projects that involve at least 5 months of foreign residence.

Funds will be made available not only to geographers but also to scientists in related fields whose research topics are closely allied to geography. Financial support is provided by the U.S. Office of Naval Research. The NAS-NRC Division of Earth Sciences is appointing a committee to screen all applications.

■ The Mycological Society of America has announced that it will receive applications for the newly established graduate fellowship in mycology. This fellowship will be awarded for 1956-57 and carries a stipend of \$750. Eligible candidates must be predoctoral students in residence at the institution where they are registered.

Forms for application may be obtained after 1 Jan. from the secretary-treasurer of the society, Dr. C. J. Alexopoulos, Department of Botany and Plant Pathology, Michigan State University, East Lansing, Mich. Applications are due by 15 Feb. 1956.

■ Nominations are solicited for the 1956 award and a gold medal made available by the Borden Company Foundation, Inc. The American Institute of Nutrition will make this award in recognition of distinctive research by investigators in the United States and Canada that has emphasized the nutritive significance of the components of milk or of dairy products. The award will be made primarily for the publication of specific papers during the previous calendar year, but the jury of award may recommend that it be given for important contributions made over a more extended period of time, not necessarily including the previous calendar year.

The award is usually given to one person, but if in their judgment circumstances and justice so dictate, the jury may recommend that it be divided between two or more collaborators in a given research project. The jury may also recommend that the award be omitted in any given year if in its opinion the work submitted does not warrant the award. Membership in the American Institute of Nutrition is not a requisite of eligibility for the award. Employees of the Borden Company are not eligible for this honor.

Nominations should be accompanied by such data relative to the nominee and his research as will facilitate consideration for the award. The formal presentation will be made at the annual meeting of the institute in the spring of 1956. To be considered for the award, nomi-

nations must be submitted by 1 Jan. 1956 to the chairman of the nominating committee, Gladys Everson, Department of Home Economics, University of California, Davis.

■ The American Foundation for Pharmaceutical Education annually offers three cash awards of \$250 each for meritorious papers in pharmacognosy, published or unpublished. An award will be made to one competitor in each of the following groups: (i) undergraduate students in accredited colleges of pharmacy; (ii) graduate students in accredited colleges of pharmacy; and (iii) teachers, research workers, and industrial scientists.

The papers submitted must be principally within the fields of morphologic, taxonomic, or cytogenetic pharmacognosy, or in drug-plant cultivation or commercial pharmacognosy. Phytochemical aspects of the work may be included in conjunction with discussion in one or more of the aforementioned fields. Each paper must contain some new information ascertained from studies made by the contestant on (i) one or more medicinal, pesticidal, allergenic, poisonous, or aromatic plants; or (ii) one or more cellular drugs, pesticides, adulterants, or substituents thereof; or (iii) methods of quantitative microscopical analysis as applied to the determination of the percentage of an adulterant in a natural cellular drug, condiment, or pesticide; or (iv) the cytology or genetics of a medicinal plant; or (v) the cultivation of one or more drug plants.

For information write to: Dr. H. W. Youngken, Massachusetts College of Pharmacy, Longwood Ave., Boston 15, Mass. All entries must be received by 1 Feb.

■ The Division of Biological and Medical Sciences of the National Science Foundation has announced that the next closing date for receipt of research proposals in the life sciences is 1 Feb. 1956. Proposals received prior to that date will be reviewed during the spring meetings of the advisory panels, and final disposition will be made approximately 10 weeks from the dates of those meetings. Proposals received after 1 Feb. 1956 cannot be reviewed until the following fall.

■ Twenty-eight fellowships are offered by the American Association of University Women to American women for advanced study or research during the academic year 1956-57. In general, the \$2000 fellowships are awarded to young women who have completed residence work for the Ph.D. degree or who have already received the degree; more mature scholars receive \$2500 to \$3500 awards. Most of the fellowships are un-

restricted as to subject and place of study.

Applications for all fellowships, together with supporting materials, must reach the AAUW office in Washington, D.C., by 15 Dec. For detailed information, address the Secretary, Committee on Fellowship Awards, AAUW, 1634 I St. NW, Washington 6, D.C. Requests for application forms should include statement of academic status.

■ The Link Foundation will hold its annual meeting of the board of trustees and technical assistance board 16–17 Dec. Meeting participants will review requests for grants. The primary purpose of the Link Foundation, which has headquarters at the Smithsonian Institution in Washington, D.C., is to make grants available to nonprofit institutions and associations for projects that advance education and training in aeronautics. Organizations interested in submitting grant applications should do so by 1 Dec.

■ The Public Health Service has announced ten grants totaling \$295,367 to start a special program of research into air pollution problems. It is hoped that these and other studies will answer many puzzling questions and help eliminate many of the dangers from air pollution. The grants were awarded by the Surgeon General on recommendations of the National Advisory Health Council from a \$500,000 fund appropriated by the Congress for the Department of Health, Education, and Welfare.

These grants, which are administered by the National Institutes of Health, have been awarded to the University of Cincinnati (2 awards), Detroit Department of Health, University of Southern California (2 awards), Utah State Agricultural College, Jefferson Medical College, Harvard School of Public Health, University of Michigan, and the University of California.

■ Nine postgraduate fellowships will be awarded by the Minneapolis-Honeywell Regulator Co. for 1955–56. The awards include a new fellowship in engineering or physics at the University of Pennsylvania and establishment of a second engineering or physics grant at Iowa State College.

Now in its tenth year, the Honeywell fellowship program provides tuition and living allowance awards to outstanding graduate students who need financial assistance to continue their studies. Grants range from \$1200 to \$2700, depending on the school's tuition.

Other awards to be made by the company for the current academic year include two to the institute of technology or the department of physics at the Uni-

versity of Minnesota; one in the electrical engineering servomechanisms laboratory at Massachusetts Institute of Technology; one in engineering or physics at Purdue University; one in plastics and chemical technology at North Dakota State College; and one awarded through Tau Beta Pi, honorary engineering fraternity.

■ The University of Cincinnati's Institute of Industrial Health is offering graduate fellowships in industrial medicine to graduates of approved medical schools who have completed 1 year of internship. The 3-year course of instruction, leading to the degree of doctor of science in industrial medicine, satisfies the requirements for certification in occupational medicine by the American Board of Preventive Medicine. Two years are devoted to intensive academic and clinical study in the field of industrial medicine. A final year is spent in residency in an industrial medical department or in some comparable organization.

Stipends for the first 2 years vary from \$3000 to \$4000, depending on marital status. In the final or residency year a fellow is compensated by the organization in which he is completing his training.

A 1-year certificate course, without stipend, is also offered to qualified applicants. Requests for additional information should be addressed to Secretary, Institute of Industrial Health, College of Medicine, Eden and Bethesda, Cincinnati 19, Ohio.

Miscellaneous

■ The proceedings of the pre-Geneva conference on peaceful uses of atomic energy that was held by the Academy of Sciences of the U.S.S.R., 1–5 July, will be published in English before the end of this year by the Consultants Bureau, 259 W. 14 St., New York 11. The proceedings of this conference are comprised of 87 reports that do not duplicate reports by Soviet participants in the Geneva conference. The translation will appear in four volumes—physics, chemistry, biology, and technology—with the appropriate plenary session reports incorporated in each volume.

Publication of the set will be completed before the end of 1955. The translation will be by bilingual scientists in the respective fields, and will include all diagrams, photographs, and tabular material.

The publication dates and prepublication prices for the separate volumes of the *Proceedings of the Conference of the Academy of Sciences of the USSR on*

the Peaceful Uses of Atomic Energy, July 1–5, 1955 are as follows: *Sessions of the Physico-Mathematical Division*—15 Nov., \$150; *Sessions of the Chemical Division*—1 Dec., \$125; *Sessions of the Biology Division*—15 Dec., \$125; *Sessions of the Technology Division*—30 Dec., \$100. A complete set of the four volumes will cost \$350.

Orders for the set or for individual volumes that are received by the publishers on or before 30 Dec. 1955 will be filled at the prepublication prices. Standard price of the translation has not been definitely established, but will be at least 15 percent more than the prepublication price.

■ Scientific workers who are planning field work in the Melanesian, Indonesian, Philippine, Micronesian, or Polynesian areas, will be interested to know that the *Gloria Maris*, a 107-foot, steel-hulled, two-masted auxiliary schooner, is now available for charter in that area. The *Gloria Maris*, which is on long-term charter to the Natural Science Foundation in Philadelphia, Pa., can be sub-chartered on a bareboat basis provided that her permanent skipper and his crew are engaged separately. Special charter rates are offered to scientific groups.

The *Gloria Maris* recently completed an expedition in the Palau Islands for the purpose of collecting marine mollusks under the auspices of the Academy of Natural Sciences of Philadelphia and the Natural Science Foundation. She is temporarily based at Koror in the Palau Islands, subject to further mollusk collecting trips under the same auspices or such charters as can be arranged. The vessel can accommodate a scientific party of 8 to 10 individuals in comfort and has space and facilities for scientific work.

The Natural Science Foundation would also be interested in locating individual scientists who might arrange to accompany future marine mollusk collecting expeditions in order to do field work in their own specialties in South and West Pacific areas. The foundation would consider providing board and lodging on the *Gloria Maris* for those able to provide their own transportation to and from the area. For information write to R. Tucker Abbott, Academy of Natural Sciences of Philadelphia, 19th and the Parkway, Philadelphia 3, Pa.

■ Juan Hector Hunziker, Instituto de Botanica, Araos 2875, Buenos Aires, Argentina, wishes to obtain viable seeds of North American species of the genus *Ephedra*. Those able to furnish such seeds should send them to Hunziker, at the above address, preferably by air mail.