

of which will begin soon, will be a unit designed to make more than 30 million pounds a year of hydrogen peroxide. Ultimately, an acrolein unit and a unit designed to produce glycerine by an entirely new process utilizing hydrogen peroxide and acrolein will be built.

■ The Atomic Instrument Company, Cambridge, Mass., has acquired controlling interest in Kaye Development Company, Inc., South Norwalk, Conn., manufacturer of electronic color evaluation instruments and related detection devices.

■ The Hercules Powder Company has announced plans to enter a new field of chemistry with the construction of a plant at Parlin, N.J., for the production of a new type of high molecular weight polyethylene that is to be called Hyfax. The plant will have an annual capacity of approximately 30 million pounds.

The company has been licensed to use the Ziegler process for the low-pressure polyethylene. Although the new facilities will not be completed until late next year, Hercules expects to be able at the start of 1956 to distribute enough of the new-type polyethylene to permit orderly marketing of small tonnages.

This introductory material will be obtained under an arrangement with the Farbwerke Höchst AG in Germany. Höchst, one of the first companies to be licensed by Ziegler, is completing its commercial plant and will be in production in Germany early in 1956. Under its contract with Höchst, Hercules Powder Company will be able to eliminate the customary pilot-plant stage and immediately begin construction of a commercial plant.

The two contracts, one with Ziegler and the other with Höchst, climax more than 2 years of negotiations, engineering and research, and market analysis conducted by Hercules. The contract with Höchst also calls for continuing exchange of research information between the two companies.

Miscellaneous

■ The U.S. Civil Service Commission, in an effort to recruit a greater number of college-caliber people for careers in the Federal service, has introduced major changes in its college-level recruitment program. The new program, developed as a part of long-range plans to strengthen the career service, provides for a regular, balanced intake of college graduates at the entrance level in a wide range of occupational fields.

A number of civil service examinations previously open at the college level have been consolidated into a single Federal

Service Entrance Examination that was opened for receipt of applications on 18 Oct. Under this program, the student who applies will be required to take only one examination, which will be appropriate for the great majority of the entrance-level positions in the Federal service.

The Federal Service Entrance Examination is open to all college seniors and graduates regardless of the field of major study and to college-caliber people who have had equivalent experience. However, students interested and qualified primarily in engineering and the physical sciences will continue to be recruited through separate examinations that do not require a written test.

The first written test for the Federal Service Entrance Examination will be held on 10 Dec. for those who apply by 18 Nov. Additional written tests will be given every few months or as the needs may require; applications will be received until further notice. Interested persons may obtain copies of the examination announcement and application forms from the U.S. Civil Service Commission, Washington 25, D.C.

■ *Summary of Survey of Philanthropic Foundations*, a 32-page pamphlet that is excerpted from the seventh edition of *American Foundations and Their Fields*, by Wilmer Shields Rich, is available from the American Foundations Information Service, 860 Broadway, New York 3.

■ A memorial scholarship in botany is being established at Butler University in memory of the late head of the botany department and recent president of the Ecological Society of America, John E. Potzger. Checks payable to the J. E. Potzger Memorial Scholarship Fund should be sent to the Botany Department, Butler University, Indianapolis 8, Ind.

■ A special grant from the Rutgers Research and Endowment Foundation, together with the cooperation of the Williams and Wilkins Company and the Rutgers University Press, has made it possible to offer copies of the following books by S. A. Waksman for free distribution to established libraries, hospitals, and other institutions: *Streptomycin, Nature and Practical Applications* and *Literature of Streptomycin*. Requests should be addressed to R. A. Day, Librarian-Editor, Institute of Microbiology, Rutgers University, New Brunswick, N.J.

■ Applications are now open to college and university faculty members for places in the Oak Ridge research participation program for 1956. Administered by the Oak Ridge Institute of

Nuclear Studies in cooperation with Oak Ridge National Laboratory, the program is designed to disseminate scientific and technical information to educational institutions by enabling faculty members to spend varying amounts of time—usually the three summer months—conducting research in Oak Ridge laboratories. The participant's Oak Ridge salary approximates his university salary.

Applications for 3-month summer appointments in 1956 should be in the hands of the University Relations Division, Oak Ridge Institute of Nuclear Studies, Box 117, Oak Ridge, Tenn., by 15 Dec. Notifications of appointment will be made by 15 Feb.

■ In recognition of the 400th anniversary of the death of Georgius Agricola (Georg Bauer), German scholar and scientist, on 21 Nov., the November issue of *The Scientific Monthly* includes a portion of the introduction to Agricola's classic work, *De Re Metallica*, that was translated from the Latin in 1912 by Herbert C. and Lou H. Hoover. The cover illustration of this issue is a reproduction of one of the woodcuts that appeared in *De Re Metallica*.

Among the other articles included in the November issue are "Pan-Indian culture of Oklahoma," James H. Howard; "Lost art of strad varnish," Joseph Michelman; "Structure of a classic raw material," H. H. Bosshard; "Modern science and refutation of the paradoxes of Zeno," Adolf Grünbaum; "Radiocarbon dating in the light of stratigraphy and weathering processes," Charles B. Hunt; and "The garter snake," Charles C. Carpenter. Sixteen books are reviewed.

■ The South Asia Science Co-operation Office of the United Nations Educational, Scientific and Cultural Organization has been producing a *Bibliography of Scientific Publications of South Asia* (India, Burma, Ceylon) since 1949 and thus far 11 issues have been printed. Although this bibliography has been distributed to many libraries throughout the world, it is felt that there still may be some libraries that would like to receive the work. A fairly large number of back issues are available from the UNESCO South Asia Science Co-operation Office, C.S.I.R. Bldg., Old Mill Rd., New Delhi 2, India.

After issue No. 12 of the Bibliography, which will complete the year 1954, a new arrangement will be put into effect under which the Science Co-operation Office will continue to prepare the material but printing and distribution will be undertaken by the Indian National Scientific Documentation Centre. When the new plan is instituted, it will be necessary to charge for the publication. The cost will be Rs. 10 per year covering 4 parts.