

made possible by a new grant from the Donner Foundation; and (iii) *Markle fellowships in the medical sciences*, provided through a new appropriation of the John and Mary R. Markle Foundation.

The purposes and conditions governing these three programs are identical. They are designed to offer research experience in the basic medical sciences for persons who look forward to careers in academic medicine and investigation. Fellows are therefore expected to devote essentially their entire time to research at the fundamental level. Funds are not available for support of those who are seeking practical experience in the clinical field.

Awards are open to citizens of the United States and Canada who hold the M.D. or Ph.D. degree, or the equivalent. Ordinarily fellowships are not granted to persons over 35 years of age.

One other group of awards is administered for the James Picker Foundation by the division's Committee on Radiology. In line with the interests of the Picker Foundation, the program is oriented toward, but not necessarily limited to, the diagnostic aspects of radiology. Applications in the field of veterinary radiology will be accepted and considered on their merits. Support is not restricted to citizens of the United States or to laboratories within this country. The three types of awards in radiological research are as follows.

1) *Grants-in-aid*. These are designed to encourage research offering promise of improvement in radiological methods of diagnosis or treatment of disease.

2) *Grants for scholars*. These are a transitional form of support, designed to bridge the gap between the completion of fellowship training and the period when the young scientist has thoroughly demonstrated his competence as an independent investigator. A grant of \$6000 per year will be made directly to the scholar's institution as a contribution toward his support, or his research, or both. Initial grants are limited to 1 year, but renewal may be recommended. Applications should be submitted by the institution on behalf of the candidate.

3) *Fellowships in radiological research*. These are open to candidates seeking to gain research skills leading to investigative careers in the field of radiology. While persons from closely related disciplines are eligible to apply, candidates whose training has been directly in the field of radiology will receive preference under this program. Candidates must hold the M.D., Ph.D. or ScD. degree or the equivalent, and should ordinarily be not more than 35 years of age.

■ The National Science Foundation has announced that 289 grants totaling \$3,504,227 were awarded during the quar-

ter ending 30 June for the support of basic research in the sciences, for conferences in support of science, for exchange of scientific information, for training of science teachers, and for support for the attendance of scientists at scientific meetings abroad. This is the fourth and final group of awards to be made during fiscal year 1956. Since the beginning of the program in 1951, 2495 such awards have been made totaling almost \$30 million.

### In the Laboratories

■ A contract for construction of the new Convair-Astronautics facility, home of the Atlas intercontinental ballistic missile, has been awarded by the Convair Division of General Dynamics Corporation. The entire astronautics project will cost approximately \$40 million, with construction costs amounting to roughly half that figure. The other half will be for special equipment.

The new plant will be built on the northeastern outskirts of San Diego, Calif. It will consist of a one-story high-bay manufacturing building, two connected six-story office buildings, one for administration and the other for engineering, an engineering laboratory, a cafeteria-auditorium, an instrument and computer center, and other special-purpose test and utility buildings. In all, the plant will have nearly 1 million square feet of floor space. It will be completed in the fall of 1957.

■ The Du Pont Company has announced plans to construct a \$2-million radiation physics laboratory at the Experimental Station in Wilmington, Del. The laboratory, which will be operated by the company's engineering department, will provide additional facilities for long-range research on the measurement of radiation and its absorption in various materials. The new unit is expected to supply fundamental data for radiation studies now being conducted in various departments of the company. Construction is scheduled for completion in January 1958.

■ Weather conditions ranging from sub-freezing to extreme heat will be simulated in a new, advanced environmental testing chamber soon to be completed at the Westinghouse Electric Corporation plant in Baltimore, Md. The \$275,000 facility will be used by the electrical test department to evaluate the effect of various weather conditions on airborne electronic systems being built for the Navy and the Air Force. The chamber, which is 10 by 18 by 16 feet, consists of two sections: in one section electronic equipment will be subjected to rain, humidity,

and salt-spray tests; in the other, altitude and temperature tests will be conducted.

### Miscellaneous

■ This fall the R. R. Bowker Company will publish the third volume in the ninth edition of *American Men of Science*, covering the social and behavioral sciences. Edited by Jaques Cattell and published with the cooperation of the Social Science Research Council and its affiliated organizations, this volume provides detailed biographical information on more than 15,000 United States and Canadian leaders in sociology, anthropology, statistics, political science, psychology, economics, and geography.

With the publication of Volume 3, the ninth edition of *American Men of Science* will be complete. Volume 1 on the physical sciences and Volume 2 on the biological sciences were published in 1955 and, like Volume 3, they are available at \$20 apiece.

■ An examination will be held on 3 Nov. for the position of senior scientist, geology, in the New York State Education Department. The starting salary is \$6550; five annual increases would raise this to \$7980. Applicants, who must be United States citizens, should submit completed forms by 5 Oct.

The successful candidate will direct a program of research in pre-Cambrian and metalliferous economic geology. His duties will include coordinating research with that of other governmental and private agencies, editing technical manuscripts, and corresponding on geological matters. For full information write to the Recruitment Unit, State Department of Civil Service, Albany, N.Y.

■ CIBA, Summit, New Jersey, has given its available supply of a racemic mixture of aldosterone to the Endocrinology Study Section, National Institutes of Health, Bethesda 14, Md., to facilitate this country's research on that steroid. This synthetic material may be obtained by qualified investigators in quantities sufficient only for comparative paper chromatography. The racemic mixture has one-half the biological activity of the natural *d* form and is prepared in ethanol solution in 10-microgram ampules. Requests should be made to the Endocrinology Study Section by letter, briefly stating the nature of the investigation.

*Erratum:* In an appreciative note of the life and work of Harry J. Deuel, Jr. [*Science* 124, 209 (3 Aug. 1956)], J. Murray Luck wrote that Deuel "was struggling to finish the third and final volume [of *The Lipides*] at the time of his death." Grace C. Deuel informs us that Deuel did in fact complete the third volume of *The Lipides* before his last illness and that the volume is scheduled for publication early in 1957.