

August. This is nearly three-fifths of the total for the like period of 1957 and slightly less than one-seventh of the annual average for the corresponding period of 1953-56. The only adverse development so far this year is the excess in the number of paralytic over non-paralytic cases, a reversal of the situation in 1957.

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The Japanese Government proclaimed the national adoption of the metric system a year ago. After a 3-month grace period beginning 1 October, commercial companies and others using the old measures will be liable to fines of up to 50,000 yen (\$138.89).

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The Atomic Energy Commission has invited United States architect-engineering firms to submit proposals for studies on a heavy water moderated power reactor capable of operating on natural uranium fuel. The design studies, to be made on a cost-plus-fixed-fee basis, will supplement developmental work already in progress. Proposals must be received by the commission by 29 September 1958 and may be submitted by an individual organization or by groups of organizations. For information, write to: Director of Reactor Development, U.S. Atomic Energy Commission, Washington 25, D.C.

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The centennial of the publication of Rudolph Virchow's *Cellular Pathology* is being celebrated throughout 1958 by the Armed Forces Institute of Pathology, Washington, D.C. The celebration program, which started in March with the first of a series of public lectures, is being concluded with five more lectures. The first will be delivered on 15 October by R. D. Lillie of the National Institute for Arthritis and Metabolic Diseases, and the last is scheduled for 17 December, when K. M. Brinkhous of the University of North Carolina School of Medicine will speak.

Grants, Fellowships and Awards

Arctic. The Arctic Institute of North America is offering field research support in 1959 for scientific investigations dealing with the arctic and subarctic regions of North America. Applications are invited by those who have demonstrated their ability to conduct research work of superior quality in some field of science. Proposals will be considered in any field of arctic scientific research, but those in fields in which scientific knowledge is lacking are especially desired. Priority will be given to field investigations.

Facilities of the Arctic Research Laboratory at Barrow, Alaska, are available

for a limited number of scientists for both summer and winter investigations. The facilities include both housing and equipment. Arrangements may be made at other places.

Application forms may be obtained from the Arctic Institute of North America, 3485 University St., Montreal 2, P.Q., Canada, or 1530 P St., NW, Washington 5, D.C. Completed applications should be received *before 15 October*.

Fertility. The Lalor Foundation has announced the program of awards for 1959 which it is offering to college and university faculty members for research in the biological sciences. These awards are to be for support of research on the fundamental biochemical and biophysical mechanisms concerned with fertility and reproduction in various forms of life. The objectives are to work for more complete understanding of the basic phenomena involved and ultimately toward better possibilities for biological regulation and control.

Grants may range up to \$8000 per year and will be scaled in proportion to the scope and duration of the projects approved. Preference will be given to younger members of university and college staffs with an upper age limit of 45 years. The work may be carried out at the applicant's own institution or elsewhere.

The foundation will also grant postdoctoral summer or short-term research awards in the field described on projects which, for example, would be appropriate to the Marine Biological Laboratory at Woods Hole, Mass., or elsewhere. For these awards, the stipends will normally not exceed \$900 for a single man or a woman, \$1100 for a married man working at his home institution, and \$1250 for a married man with principal program at another institution.

Applications and inquiries should be directed to the Lalor Foundation, 4400 Lancaster Pike, Wilmington 5, Del. The deadline date for receipt of applications is *15 January 1959*.

General. The deadline for applications for National Science Foundation senior postdoctoral and science faculty fellowships is *15 October*. Inasmuch as this is the first year during which these awards will be made annually rather than bi-annually, applications for awards for 1959 must be submitted by the October closing date. Application materials may be obtained from the Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C.

Awards will be made in the mathematical, physical, and engineering sciences; medical and biological sciences, including anthropology and psychology (excluding clinical); and in selected so-

cial science fields. Included as well are interdisciplinary fields which overlap two or more scientific disciplines.

Candidates for senior postdoctoral fellowships must be United States citizens who have held the doctoral degree for a minimum of 5 years or have equivalent education and experience. Under arrangements made by the National Academy of Sciences, candidates' qualifications will be evaluated by carefully chosen panels of scientists. Final selection of approximately 100 fellows will be made by the National Science Foundation.

The science faculty fellowships are directed toward college teachers of science who wish to improve their competence as teachers. These fellowships are open to application by any United States citizen who holds a baccalaureate degree or its equivalent, has ability and special aptitude for science teaching and advanced training, and has taught at the collegiate level as a full-time faculty member for a minimum of 3 years and intends to continue teaching. Under arrangements made by the Association of American Colleges, applicants' qualifications will be evaluated by persons especially competent to make judgments about the demonstrated and potential ability of the applicant as a teacher of science. Final selection of approximately 300 fellows will be made by the National Science Foundation.

Scientists in the News

CARL FRIEDRICH FREIHERR VON WEIZSÄCKER, German physicist and philosopher, has received the Goethe Prize, high honor bestowed every 3 years by the city of Frankfurt, Germany. In recent years Weizsäcker has come to public attention because of his writings on life in the atomic age. In a series of articles entitled *Leben mit der Atombombe* he has analyzed basic problems of our day from the viewpoints of both the philosopher and the physicist. As he was awarded the Goethe Prize, Weizsäcker was lauded for helping to bridge the gulf between the natural sciences and the liberal arts.

CHARLES M. SPOFFORD, bridge designer and professor emeritus at Massachusetts Institute of Technology, will receive the Frank P. Brown Medal of the Franklin Institute on 15 October. He is being honored for: "The engineering, aesthetic and educational accomplishments of his life work, exemplified in his prompt recognition, espousal and clarification of valid structural theories; his design of many large and beautiful bridges, and other prominent engineering works; his contributions to en-