

element geochemistry. Attendance is open. (Symposium Committee, Graduate School of Oceanography, University of Rhode Island, Kingston)

### Grants, Fellowships, and Awards

The American Heart Association is accepting applications for **heart research fellowships** to start 1 July 1965.

"Established investigatorships," open to experienced scientists capable of independent research, are awarded for 5 years. They carry stipends of \$8500 to \$12,500 a year, plus dependency allowances, and \$1000 a year to each recipient's institution to be at the disposal of the department head.

"Advanced research fellowships" are available to postdoctoral applicants who have had at least a year's research training and experience. The fellowships are for 1 to 2 years, renewable for an additional 2 years; annual stipends start at \$6500 plus dependency allowances and annual increments. An additional \$500 a year will be granted to each recipient's institution. Deadline for applications: *15 September*. (Director of Research, American Heart Association, 44 East 23 St., New York 10010)

Nominations are being solicited for the 1965 American Physical Society **high-polymer physics** prize. The \$1000 award, sponsored by Ford Motor Company, is presented "for outstanding accomplishment and excellence of contributions in high-polymer physics." Suggestions of candidates, and supporting material, are required by *10 October*. (R. S. Stein, Polymer Research Institute, University of Massachusetts, Amherst 01003)

The National Academy of Sciences-National Research Council is accepting applications for grants and fellowships in **radiology and nuclear medicine**, to begin with the 1965-1966 academic year. The awards are in four categories, and are provided through the James Picker Foundation.

"Advanced fellowships in academic radiology" will provide course and research work emphasizing a broad background in the basic sciences related to radiology. The stipends are \$12,000 the first year, \$13,500 the second, and \$15,000 the third, all plus dependency allowances. Applicants must have completed their clinical training in radiology and be prepared to devote at least 2

years to the fellowships; preference will be given to persons under 34 years of age. Applications will be accepted on nomination by a clinical adviser, who should be on the staff of a medical school radiology department.

"Postdoctoral research fellowships" are open to recent graduates for work in nuclear medicine or radiology. The grants are for 1 year, with a \$6000

stipend plus dependency allowances. They may be renewed with stipends for the second year of \$6750, for the third, \$7500.

"Grants for scholars" must be applied for by a medical school, hospital, or research institute on behalf of a junior staff member. The award, \$6000 a year, is made directly to the institution to help support the scholar and/or his research. The grants are for 2 years, renewable for a third.

"Research grants" are oriented, although they need not be limited, to the diagnostic aspects of radiology or nuclear medicine research. Applicants must submit their research proposals and proposed budgets with their applications. The grants, of \$1000 to \$10,000 annually, are awarded to the institution, initially for 2 years.

Applicants for the awards need not be U.S. citizens, nor need the institutions be in the U.S. Deadline for submitting applications: *1 October*. (Committee on Radiology, NAS-NRC, 2101 Constitution Ave., NW, Washington, D.C. 20418)

### Recent Deaths

**Joseph Z. Biegeleisen, Jr.**, 42; research microbiologist at the Communicable Disease Center, Atlanta, Ga.; 6 July.

**Arthur S. Gale**, 87; former chairman of the mathematics department and dean of men at the University of Rochester, N.Y.; 6 July.

**Max Adams McCall**, 75; retired assistant chief of the Bureau of Plant Industry, U.S. Department of Agriculture; in Ireland; 22 June.

**E. G. D. Murray**, 74; retired head of the department of bacteriology and immunology at McGill University, and guest professor of medical research at the University of Western Ontario; 6 July.

**Peter K. Olitsky**, 76; pioneer in virus research and member emeritus of the Rockefeller Institute; 20 July.

**Lucille Wendt**, 54; adviser on chemistry, bacteriology, and pharmacology to the Senate Subcommittee on Antitrust and Monopoly; 22 July.

**Erratum:** In the report "Neutron and proton dosages in the upper atmosphere from solar flare radiation" by E. J. Flamm and R. E. Lingenfelter (26 June, p. 1566), the factor  $1/\mu$  should be eliminated from Eqs. 2, 3a, and 3b. This correction reduces the calculated neutron and proton doses by approximately 50 percent but does not otherwise alter the conclusions drawn from the calculation. The authors thank Dr. I. M. Karp for pointing out this error.

## 131st Annual AAAS Meeting, Montreal, 26-31 December

### Call for Papers by AAAS Sections

Six sections of the Association will arrange sessions for contributed papers at the Montreal meeting. The secretaries or program chairmen to whom titles and abstracts of papers should be sent, *not later than 30 September*, are as follows:

#### **E-Geology and Geography.**

Richard H. Mahard, Department of Geology and Geography, Denison University, Granville, Ohio.

**F-Zoological Sciences.** David W. Bishop, Carnegie Institution of Washington, Department of Embryology, 115 West University Parkway, Baltimore 10, Md.

**G-Botanical Sciences.** Warren H. Wagner, Jr., Department of Botany, University of Michigan, Ann Arbor, Mich.

**H-Anthropology.** Eleanor Leacock, Bank Street College of Education, 69 Bank Street, New York 14, N.Y.

**Np-Pharmaceutical Sciences.** Joseph P. Buckley, School of Pharmacy, University of Pittsburgh, Pittsburgh, Pa.

**Q-Education.** F. B. Dutton, Science and Mathematics Teaching Center, Michigan State University, East Lansing.

Although the general deadline is 30 September, most sections, and subsequently the AAAS office, would be most happy to receive titles as much in advance of that date as possible.