

to stimulate student interest in graduate study and improve the qualifications of the grantee. In general these are made on a yearly basis. They provide summer salaries for the principal investigator, stipends for students during the school year and summer months, and modest amounts for supplies and equipment. These grants seldom exceed \$3000 per year.

3) Unsolicited and unrestricted grants made to outstanding scientists at educational institutions in recognition of past accomplishments in fundamental research in the petroleum field. Each grant provides \$50,000 to enable scientists at or approaching the peak of their productivity to pursue, without restriction and without time limitation, their quest for new knowledge. Nominations for these awards may be submitted to the program administrator of the Petroleum Research Fund.

4) Grants to provide for exchange of scientists and scientific students between American and foreign nonprofit scientific and educational institutions. To date these awards have been made only to scientists with faculty status or to senior members of educational and scientific organizations. The awards provide all or part of the faculty member's salary and travel expenses for a period (3 to 15 months) of advanced study and research abroad.

5) Grants to teachers in undergraduate departments designed to allow them to obtain, at an institution of higher learning in the United States, a year of advanced study in any of the sciences basic to the petroleum field. The grants made to date have covered a full year's study.

6) Grants to outstanding recent recipients of a doctor's degree for a year of postdoctoral research in the petroleum field. Since 1954 eight such fellowships have been approved and administered through the National Research Council as part of its regular postdoctoral fellowship program.

A 19-man advisory board of The Petroleum Research Fund meets three times annually to consider proposals and policy matters. September 15 and December 15 are the next deadlines for consideration of proposals for programs to start in June or September 1960. Requests for further information about these grants and awards should be addressed to: Program Administrator, The Petroleum Research Fund, American Chemical Society, 1155 16th St., NW, Washington 6, D.C.

## New Journals

*Archives of Oral Biology*, J. B. MacDonald, Boston, regional Ed. Pergamon, 4-5 Fitzroy Square, London W.1. Bimonthly. Individual subscribers, \$10; others, \$17.

*Development Biology*, vol. 1, No. 1, Apr. 1959. M. V. Edds, Jr., Ed. Academic Press, 111 5th Ave., New York 3. vol. 1 (6 issues, 1959), \$14.

*Experimental Neurology*, vol. 1, No. 1, Apr. 1959. William F. Windle, Ed. Academic Press, 111 5th Ave., New York 3. vol. 1 (6 issues, 1959), \$16.

*International Atomic Energy Agency Bulletin*, vol. 1, No. 1, Apr. 1959. International Atomic Energy Agency, Kärntnering 11, Vienna 1, Austria.

*International Journal of Radiation Biology and related studies in Physics, Chemistry and Medicine*, vol. 1, No. 1, Jan. 1959. W. M. Dale, Ed. Academic Press, 111 Fifth Avenue, New York 3.

*Journal of Biochemical and Microbiological Technology and Engineering*, vol. 1, No. 1, Feb. 1959. E. M. Crook, Ed. Interscience, 250 Fifth Avenue, New York 1. Quarterly. \$15.

*Journal of the Faculty of Medicine—Baghdad*, vol. 1, (new series), No. 1, Jan. 1959. F. S. Nashat, Ed. College of Medicine, University of Baghdad, Baghdad, Iraq. Quarterly. \$4.

*Journal of Medicinal and Pharmaceutical Chemistry*, vol. 1, No. 1, Feb. 1959. Arnold H. Beckett, Ed. Interscience, 250 5th Ave., New York 1. Bimonthly. \$15.

*Journal of Molecular Biology*, vol. 1, No. 1, Apr. 1959. J. C. Kendrew, Ed. Academic Press, 111 5th Ave., New York 3. Bimonthly. \$14.

*Numerische Mathematik*, vol. 1, No. 1, Jan. 1959. F. L. Bauer, Ed. Springer, Heidelberger Platz 3, Berlin-Wilmersdorf.

*Soviet Physics—Solid State, (Fizika Tverdogo Tela)*, vol. 1, No. 1, Jan. 1959. (Order from American Institute of Physics, 335 E. 45th St., New York 17.) \$55; for libraries of nonprofit institutions, \$25.

*Tetrahedron Letters*, No. 1, Mar. 1959. H. Stephen, Ed. Pergamon, 122 E. 55th St., New York 22. \$20; free to individual subscribers to *Tetrahedron*.

*Egyptian Journal of Botany*, vol. 1, No. 1, 1958. Egyptian Science Association, Tager Building, 1, Sh. Elhamy, Kasr El Doubara, Cairo. Half yearly. \$3.

*The Nucleus*, vol. 1, No. 1, June 1958. Arun Kumar Sharma, Ed. Cytogenetics Laboratory, Department of Botany, Uni-

versity of Calcutta, Calcutta 19. Half yearly. \$10.50.

*Turkish Journal of Pediatrics*, vol. 1, Nos. 1 and 2, July-Aug. 1958. Ihsan Dogramaci, Ed. Research Institute of Child Health, Hacettepe Parki, Ankara.

## Scientists in the News

VERN O. KNUDSEN, physicist and vice chancellor of the University of California, Los Angeles, has been named chancellor of the university, effective 1 September. He succeeds RAYMOND B. ALLEN, who resigned.

IRVING WOLFF, vice president for research of the Radio Corporation of America Laboratories, will be awarded an Elliott Cresson Medal by the Franklin Institute, Philadelphia, on 21 October.

GEORGE E. ROTH, director of the Dominion X-ray and Radium Laboratory, New Zealand, has been appointed director of the International Atomic Energy Agency's Division of Isotopes. He succeeds YOSHIO FUJIOKA of Japan.

MORTON HAMERMESH, associate director of the physics division at Argonne National Laboratory, has been appointed director of the division. He succeeds LOUIS A. TURNER, who recently became deputy director of the Laboratory.

Lt. Col. JOHN P. RANSOM, bacteriologist with the Army Research Office, Arlington, Va., has been appointed bacteriologist at the Walter Reed Army Institute of Research, Washington, D.C., in the division of immunology.

GERARD F. MULDER, senior scientific adviser at the Pasadena, Calif., branch office of the Office of Naval Research, has been appointed associate program director for astronomy in the Division of Mathematical, Physical, and Engineering Sciences of the National Science Foundation, Washington, D.C.

DUNCAN HOLADAY, associate professor of anesthesiology at Columbia University College of Physicians and Surgeons, has been appointed professor of surgery and head of the section of anesthesia in the department of surgery at the University of Chicago.