

based on potentialities of the advanced Saturn rocket, which will develop a thrust of 7.5 million pounds. It is not expected to be ready, however, until 1965, if all goes well—and this, unfortunately, never seems to be the case in the tricky business of building new rockets. Meanwhile, the best the United States has to offer in the space race at present is the tried but not very true Atlas, which develops some 360,000 pounds of thrust. The Soviets have

been cagey about announcing the thrusts involved in last week's flights, but they have said that Gagarin and Titov were carried into orbit by rockets of 800,000-pound thrust. Webb said there is no evidence that the Soviets possess larger boosters, but—unless NASA knows something it is not telling—there is no evidence that they do not, and if they do not, there is every reason to assume that they are working hard to build them.—D. S. GREENBERG

## Announcements

The Germanium Research Committee, formed by germanium producers to promote the use of the element, announces that samples of the following **germanium compounds** will be furnished without charge for research purposes:  $R_2Ge$  ( $R = Et, n\text{-}Pr, n\text{-}Bu, n\text{-}pentyl, n\text{-}hexyl$  or  $phenyl$ .)

A summary of the projected research, or some indication of its nature, should be included in requests for samples. (G. J. M. van der Kerk, Institute for Organic Chemistry, T.N.O., 79 Croesestraat, Utrecht, Holland)

The University of Puerto Rico, under contract with the National Institutes of Health, has established several visiting professorships in **primate biology** for foreign scientists who will participate in activities of the university and of the Puerto Rican Center for Research in Primate Biology. Appointees will collaborate in primate studies aimed at determining the perinatal causes of cerebral palsy, mental retardation, and other disorders.

The center now houses rhesus monkeys in laboratories and at the free-ranging colony on Santiago Island near the coast of Puerto Rico. Two other islands—Cueva and Guyacan—were recently acquired for the project and will provide space for additional monkeys imported from India. (William F. Windle, National Institute of Neurological Diseases and Blindness, Bethesda 14, Md.)

An **Inter-university Consortium for Political Research** has been created to promote graduate research training and basic research on problems of politics and government. The consortium staff, headed by Warren E. Miller of the Uni-

versity of Michigan's Survey Research Center, plans to provide advanced training in social science research methodology and the techniques of political analysis for faculty members and advanced graduate students from the 21 participating schools. Research conferences on new problems in theory construction and data collection and interpretation in such areas as legislative behavior, judicial behavior, and the historical analysis of aggregative data will be developed for participating faculty members.

Consortium activities will be supervised by a five-man council, chaired by James Prothro, of the University of North Carolina. Other council members are David Easton, of the University of Chicago; Robert Lane, of Yale University; Austin Ranney, of the University of Illinois; and William Riker, of the University of Rochester. (Warren E. Miller, ICPR, Survey Research Center, University of Michigan, Ann Arbor)

### Grants, Fellowships, and Awards

The International Association for Dental Research has established three awards of \$1000 each for basic research in **oral therapeutics, oral science, and periodontal disease**. Nominations must be accompanied by a biographical sketch, including date of birth, list of publications, specific identification of the work on which the nomination is based, and an evaluation and appraisal of the nominee's accomplishments. Nominees need not be members of the IADR. Deadline: *1 October*. (R. S. Manly, Tufts University School of Dental Medicine, 136 Harrison Ave., Boston 11, Mass.)

Nominations are being solicited for the Atomic Energy Commission's 1963 Ernest Orlando Lawrence awards for contributions to the development, use, or control of **atomic energy** in any area, including medicine and engineering. The five awards, ranging from \$5000 to \$25,000, will be presented to U.S. citizens who are under 46 years of age on 1 July 1963. Nominees who are not selected will be retained on the list for 2 years for further consideration. Nominations should include a brief biographical outline, with principal emphasis on the scientific or technical achievements upon which the nomination is based. Deadline: *1 November 1962*. (Chairman, General Advisory Committee, AEC, P.O. Box 3528, Washington 7, D.C.)

Applications for clinical and basic-science fellowships in **cardiology** and related research are being accepted by the Central Ohio Heart Association. The 1-year fellowships, effective 1 July 1963, carry stipends ranging from \$2800 to \$8000. Research projects are to be carried out at an accredited institution in central Ohio. Candidates must have a Ph.D. degree and a minimum of 1 year's internship. Deadline: *15 October*. (Central Ohio Heart Assoc., 145 N. High St., Columbus 15)

The New York Heart Association is soliciting nominations for the newly established Homer W. Smith fellowship in **renal physiology**. The 5-year fellowship for research at any U.S. institution provides a first-year stipend of \$10,000, beginning 1 July 1963, with annual increments of \$1000. Nominations should include a letter from the chairman or director of the sponsoring department or institution, biographical data, a bibliography of research, and a statement of qualifications. Deadline: *1 November*. (Advisory Council on Research, N.Y. Heart Assoc., 10 Columbus Circle, New York 19)

Postdoctoral traineeships for research and teaching in **endocrinology** are available at the University of Wisconsin. The program includes laboratory research, seminars, colloquia, workshops, and teaching. Medical candidates may obtain postdoctoral training in clinical endocrinology and metabolism. Annual stipends are \$6500. (W. H. McShan, Birge Hall, University of Wisconsin, Madison 6)

## Courses

The U.S. Atomic Energy Commission has initiated a series of extension courses in **radiological health** to determine whether such courses can provide adequate education and training for employees of state and local governments. The courses, conducted in cooperation with the North Carolina State Board of Health, are a part of the AEC's program of transferring to the states some of its present regulatory authority over the use of radioactive materials.

The first semester of instruction, covering fundamentals of radioactivity, will continue through 15 September at North Carolina State College, Raleigh. Subsequent courses, on principles of radiological protection and control and on radiological environmental surveillance methods, will be given at North Carolina State College and at the University of North Carolina, respectively, from 22 September to 19 January. A course in advanced radiation surveillance methods will be given from 2 February to 19 May at the University of North Carolina.

An introductory course in **cybernetics**, sponsored by the U.S. Department of Agriculture Graduate School, will be held from 18 September to 17 January in Washington, D.C. Registration (\$36) will be from 8 to 15 September. (M. J. Pedelty, Adaptronics, Inc., 4121 Chatelain Rd., Annandale, Va.)

An institute for **scientists in federal executive positions** will be held in Washington, D.C., during the week of 22 October. The program, conducted by the U.S. Civil Service Commission, will cover current issues relating to the organization and administration of government scientific programs. Scientists at the level of GS-14 and above may be nominated as participants through their employing agencies. Deadline: *26 September*. (Charles A. Ullmann, Office of Career Development, Civil Service Commission, Washington 25, D.C.)

## Scientists in the News

**Robert E. Waterman**, chemist and senior vice president of Schering Corporation (N.J.), has retired after 18 years with the company. He will continue to serve as a member of the board of directors.

The World Health Organization has selected the following as recipients of United Nations prizes of \$10,000 each for "outstanding scientific research into the causes and control of cancerous diseases."

**W. R. S. Doll**, member of the British Medical Research Council.

**Ludwik Gross**, chief of cancer research at the Bronx (N.Y.) Veterans Administration Hospital.

**A. Lacassagne**, director of research at the Radium Institute, Paris.

**Peyton Rous**, of the Rockefeller Institute, New York.

The late **George N. Papanicolaou**, director of the Papanicolaou Cancer Research Institute, Miami, Fla.

**W. H. Hueper**, of the National Cancer Institute, Bethesda, Md., and **Leon M. Shabad**, of the Institute of Experimental and Chemical Oncology, Soviet Academy of Medical Sciences, as joint recipients.

**George A. Simmins, Jr.**, of Pittsburgh Plate Glass Company's research division, and **Charles G. Dodd**, professor of petroleum engineering at the University of Oklahoma, have been appointed section chiefs of the Owens-Illinois Glass Company's applied inorganic research group, Toledo, Ohio.

**Bob P. Helgeson**, manager of engine technology at Lockheed Missiles and Space Company, Sunnyvale, Calif., has been appointed chief of the recently created Nevada extension of the Space Nuclear Propulsion Office, Las Vegas, a joint office of the Atomic Energy Commission and the National Aeronautics and Space Administration.

**Raymond E. Davis**, emeritus director of the University of California's Engineering Materials Laboratory (Berkeley), has received the first Walter C. Voss award presented by the American Society for Testing and Materials for work in the field of building technology.

**George L. Simpson, Jr.**, professor of sociology at the University of North Carolina and a research professor in the university's Institute for Research in Social Science, has been appointed assistant administrator for public affairs of the National Aeronautics and Space Administration. He succeeds **Hidden T. Cox**, who has resumed his duties as executive director of the American Institute of Biological Sciences.

**David Jeffries**, director of engineering with Electronics Corporation of America, has joined Baird-Atomic, Inc., Cambridge, Mass., as a staff scientist.

**Jacinto Steinhardt**, director of the operations evaluation group of the Franklin Institute's Center of Naval Analyses, Arlington, Va., has been named science advisor to the president of Georgetown University. He is succeeded by **Joseph H. Engel**, associate director of the group.

## Recent Deaths

**Thomas B. Brown**, 70; visiting professor of physics at Harvey Mudd College, Claremont, Calif.; 21 June.

**James Fisher**, 89; emeritus professor and head of the mathematics and physics department at Michigan College of Mining and Technology; 16 July.

**Erwin Kohn**, 61; director of the World Health Organization's office for research, planning and coordination; 7 Aug.

**Werner Leszynski**, 64; physicist formerly associated with the Schwarzkopf Development Corporation; 7 Aug.

**John M. Saunders**, 58; assistant director of health services in the Children's Bureau of the U.S. Department of Health, Education and Welfare; 7 Aug.

**A. M. Schechtman**, 62; professor of zoology at the University of California (Los Angeles); 20 June.

**H. H. Schwardt**, 59; professor and head of the department of entomology at Cornell University; 14 May.

**Edgar P. Slack**, 76; professor and head of the physics department at Monmouth College, Long Branch, N.J.; 5 Aug.

**Harry Wexler**, 51; director of research for the U.S. Weather Bureau since 1955; 11 Aug.

Wexler, one of the principal figures in drafting plans for the use of satellites for meteorological observation, had been with the Weather Bureau since 1934. Since 1955 he had also served as chief scientist for the United States expedition to the Antarctic for the International Geophysical Year; had been a member of special government panels on the biological effects of atomic radiation, polar research, and the meteorological aspects of satellites; and had served on the National Academy of Sciences' Space Science Board.