

Radiation Accident Described

A report on the medical care of five men who received large doses of radiation from the Y-12 plant accident at Oak Ridge National Laboratory in June 1958 has been released to the public by the Atomic Energy Commission through the Office of Technical Services, U.S. Department of Commerce. The publication is called *The Acute Radiation Syndrome: A Medical Report on the Y-12 Accident, June 16, 1958*. (Order ORINS-25 from OTS, U.S. Department of Commerce, Washington 25, D.C., \$1.) This report provides a general account that not only relates the medical developments but also attempts to describe the events just as they occurred. Clinical developments are presented in rather complete detail. Separate sections give the results of serial hematological and biochemical studies, individual case histories, and a discussion of the acute radiation syndrome.

Grants, Fellowships, and Awards

General. The National Science Foundation has announced the Senior Postdoctoral and Science Faculty Fellowship programs. Awards will be made in the mathematical, physical, medical, biological, and engineering sciences. Also included are anthropology, psychology (excluding clinical psychology), and interdisciplinary fields (comprised of overlapping fields among two or more sciences). Selected social sciences are also included, under the Senior Postdoctoral Fellowship Program. Names of successful fellowship candidates will be announced on 7 December.

To be eligible for Senior Postdoctoral fellowships, candidates must be citizens of the United States with special aptitude for advanced training, and must have held the doctoral degree for at least 5 years or have equivalent education and experience. Candidates' qualifications will be evaluated by panels of scientists operating under the aegis of the National Academy of Sciences-National Research Council. Final selection of approximately 75 fellows will be made by the foundation.

The Science Faculty fellowships are awarded to college teachers of science, mathematics, or engineering who wish to improve their competence as teachers. These fellowships are open to any citizen of the United States who holds a baccalaureate degree or its equivalent,

has demonstrated ability and special aptitude for science teaching and advanced training, has taught at the collegiate level as a full-time faculty member for not less than 3 years, and intends to continue teaching. Applicants' qualifications will be evaluated by panels of scientists appointed by the Association of American Colleges, but final selection of approximately 300 fellows will be made by NSF.

Annual stipends to a maximum of \$12,000, adjusted to match as closely as possible the salaries of the recipients, will be awarded under both of these programs. Fellows may engage in study or research, or both, at any accredited nonprofit institution of higher education in the United States or at any accredited nonprofit foreign institution of higher education. A limited allowance to aid in defraying the cost of travel for a fellow and his dependents will also be available.

Application materials may be obtained from the Fellowships Section, Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C. Completed materials must be received by 5 October.

Teacher recognition. The National Science Teachers Association has announced the Science Teacher Achievement Recognition (STAR) awards program of 1960. STAR is conducted by NSTA under a grant from the National Cancer Institute of the United States Public Health Service. The purpose of the program is to encourage the development and reporting of new ideas in science in grades 7 through 12, thereby increasing the interest of high-school students in science.

In the 1958 competition, 369 entries were submitted from 45 states and territories. This year \$13,500 in 56 awards will be given; in addition, certificates will be presented for entries which merit them. In previous years awards have been given for joint teacher-scientist entries. This year collaboration of scientists and science teachers will be encouraged by presentation of medallions to scientists who have contributed to award-winning entries.

The competition is open to all science teachers in junior and senior high-school grades in public and nonpublic schools. The deadline date for submission of entries is 15 December. For further information and entry blanks, write to the STAR '60 Program, National Science Teachers Association, 1201 16th St., NW, Washington 6, D.C.

News Briefs

Britain's Department of Scientific and Industrial Research has announced that His Royal Highness the Duke of Edinburgh will open the new Ship Hydrodynamics Laboratory at Feltham on 19 October. The laboratory is an addition to the Ship Division of the National Physical Laboratory. The superintendent of the Ship Division is F. H. Todd, who returned to England in 1957 after 9 years in the United States as technical director at the David Taylor Model Basin, Washington, D.C.

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The Atomic Energy Act of 1954 has been amended to require that the Atomic Energy Commission report to the Congress on an annual basis instead of semi-annually as heretofore. Therefore, the next formal report to Congress will be made in January 1960.

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A 99-year lease for a 14-acre site at Seibersdorf, 19 miles east of Vienna, Austria, on which the International Atomic Energy Agency will erect a functional laboratory, has been granted to the agency by an Austrian atomic energy research association known as SGAE. The laboratory will be used for standardization of radioactive isotopes and preparation of standards in the field of radioactivity; calibration and adaptation of measuring equipment; quality control of special materials for nuclear technology; measurements and analysis in connection with the agency's safeguards program (to insure that nuclear materials obtained through the agency are used only for peaceful purposes) and its health and safety program; and in connection with services to member states.

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A unique journal that contains 11 research papers by high-school students was published at the University of Colorado this summer. Editor Edwin M. Fields, assistant director of the Academic Year Institute at the university, has sent the pilot issue of the *High School Science and Mathematics Journal* to high-school libraries in Colorado and Wyoming.

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Atomic Energy of Canada Limited has announced that four more cancer treatment machines, together with their cobalt-60 radiation sources, have been shipped to the People's Republic of China. Two others were purchased from Canada last January. The total value of the shipments is \$300,000.