

Announcements

The first two telefilms in a 12-part semitechnical series, *Understanding the Atom*, designed primarily for high school or junior college level science courses and for instructional television, have been made available by the Atomic Energy Commission for free loan or purchase. The 16-mm black and white films, subtitled "Alpha, Beta, and Gamma," and "Radiation and Matter," present lecture-demonstrations by Ralph T. Overman of Oak Ridge Institute of Nuclear Studies.

Prints may be purchased from Byron, Inc., 1226 Wisconsin Ave., NW, Washington 7, D.C. ("Alpha, Beta, and Gamma" at \$45.62 and "Radiation and Matter" at \$45.95), or borrowed from AEC's domestic and overseas film libraries. For additional information, write to the Audio-Visual Branch, Division of Public Information, U.S. Atomic Energy Commission, Washington 25, D.C.

A **Registry of Radiation Pathology** has been established within the American Registry of Pathology at the Armed Forces Institute of Pathology in Washington, D.C. Sponsored by the Division of Radiological Health of the U.S. Public Health Service and operated under the auspices of the National Research Council of the National Academy of Sciences, the Registry will collect and classify materials; collate, investigate, and analyze information on radiation-induced lesions; perform followup studies; and make its resources available for educational purposes.

A prerequisite for inclusion in the Registry is a history of irradiation attested by detailed clinicopathologic information and precise radiation data for each entry. Desired materials include both surgical and autopsy specimens (accompanied when possible by slides), photographs, radiographs, clinical histories, and investigational data. The Registry requests that persons who wish to make a contribution first submit a brief informational abstract concerning their material. (The Director, Armed Forces Institute of Pathology, Washington 25, D.C.)

The first in a series of U.S. Atomic Energy Commission **research and development abstracts** is now available. Containing 229 reports and entries from January through March 1962, the first

issue covers biology and medicine, chemistry, engineering and equipment, instrumentation, geology, mineralogy and meteorology, mathematics and computers, metals, ceramics and other materials, and physics.

Intended to complement the AEC's *Nuclear Science Abstracts*, the series will include reports, articles, and translations falling outside the scope of nuclear science. Later issues will be printed as warranted by the volume of reports. (Office of Technical Services, Department of Commerce, Washington 25, D.C. \$0.50. Order RDA-1)

Grants, Fellowships, and Awards

The Tunisian Government is offering several Charles Nicolle scholarships for research at the **Pasteur Institute of Tunis**. The institute, in addition to conducting studies of virulent and parasitic diseases of human, animal, and plant origin, prepares vaccines and serums and performs laboratory tests for hospitals. The scholarships, granted for 10-month to 1-year periods, carry stipends of 1000 dinars (\$2350) and may be renewed. Candidates are selected according to their scientific degrees and the research project submitted to the government's scholarship committee.

Application forms, available from the Embassy of Tunisia (2408 Massachusetts Ave., NW, Washington, D.C.), should be submitted to *Président du Comité des Bourses Charles Nicolle*, Institut Pasteur, Tunis, Tunisia.

Postdoctoral fellowships and grants-in-aid for research on the fundamental aspects of **neoplastic growth** are available through the Jane Coffin Childs Memorial Fund for Medical Research. Recipients may be other than U.S. nationals. Application deadlines for grant-in-aid: *1 September*, *1 November*, and *1 March*; fellowships, *1 October* of each year. (Office of the Director, 333 Cedar St., New Haven 11, Conn.)

Specialists in the **social sciences** and **humanities**, who are of recognized academic standing at a university or other institution outside of Israel, are eligible to apply for 6-month to 1-year fellowships at the Technion-Israel Institute of Technology, Haifa. Recipients will be expected to deliver a course of lectures in their field. Grants are \$7000 per year, or \$3500 for 6 months, plus travel

allowances. Housing will be provided by the institute. Applications, to be made in writing, should contain detailed curriculum vitae, list of publications, and professional references. Deadline: *1 September*, for the 1962-63 academic year; *1 February*, for the 1963-64 year. (Registrar, Technion-Israel Institute of Technology, P.O.B. 4910, Haifa)

Publications

With its May/June issue, the **German Science Bulletin**, a publication of the Science Office, American Consulate General, Frankfurt, has been discontinued. In 74 issues during the past 7 years, the bulletin has reported German developments in science and technology. According to the office of the science adviser in the State Department, publication was suspended for lack of funds.

Conferences held at the first European symposium on **fresh water from the sea** (Athens, 31 May-4 June) will be published in the original language in volume 47 of *Dechema-Monographien*, to appear by the end of this year. (DECHEMA, Deutsche Gesellschaft für chemisches Apparatewesen, 6 Frankfurt (Main)7, Postfach 7746, Germany)

Copies of the Proceedings of the 1962 **Spring Joint Computer Conference** (San Francisco, 1-3 May) are now available. Some of the subjects covered are study of business information systems, theoretical problems of artificial intelligence, man-machine cooperation, data analysis and model construction in the study of the nervous system, and the role of computers in peace studies. (National Press, 850 Hansen Way, Palo Alto, Calif. \$6)

The Martin Company has received a contract from NASA to prepare a **lunar handbook** and an **earth orbital operational manual** for use in design of spacecraft and rockets, and analyses of future space flight missions. The volumes will bring together current information on trajectories, forces acting on orbiting objects, times, speeds, space environment, rendezvous, and heating during re-entry.

The manual will cover guidance and attitude control, orbital maneuvers, tracking networks, specific mission satellites, satellite lifetime, and solar flare effects. The lunar handbook will cover various aspects of a flight to the

moon, including landing, and return flight, and environmental conditions on the moon's surface.

The project, which is expected to be completed in nine months, will be directed by Jorgen Jensen, senior author of "Design Guide to Orbital Flight," a Martin Company manual published last year by McGraw-Hill.

Scientists in the News

Richard L. Garwin, associate professor of physics at Columbia University, has been appointed to the President's Science Advisory Committee.

At the University of California, Santa Barbara:

James F. Case, of the State University of Iowa, has been appointed associate professor of zoology.

Joseph H. Connell, associate professor of zoology, will spend the coming academic year on sabbatical leave at the University of Queensland, Brisbane, Australia.

Elmer R. Noble, professor of zoology, will be on sabbatical at the marine laboratories of the Hong Kong, Tokyo, Kyoto, and Hawaii universities.

Roger R. Noble, research department director at G. A. Philbrick Researches (Mass.), has been elected president of Nexus Research Laboratory, Inc., of Dedham, Mass., manufacturers of operational amplifiers and related analog modules.

Robert G. Kelly, former assistant chief of the data systems division at Goddard Space Flight Center, has joined Technical Operations' Washington (D.C.) Research Center as director of the computer applications division.

Wallace Givens, professor of engineering science and mathematics at Northwestern University, will be on leave during 1962-63 as associate director of Argonne (Ill.) National Laboratory's applied mathematics division.

Arthur A. Patchett, formerly assistant director of synthetic organic chemistry at Merck Sharp and Dohme Research Laboratories, has been named director, succeeding **Lewis H. Sarett**, who recently became director of fundamental research.

Robert J. Sunderland, formerly with the Applied Physics Laboratory of Aerojet's Spacecraft Division, has been appointed senior research scientist of MHD Research, Inc.

Col. William C. Athas, former chief of the Electronics Division in the Air Force Office of Aerospace Research, has been appointed chief of a new Electronics Division in the Directorate of Engineering Sciences of the Air Force Office of Scientific Research. The division will formulate and direct the Air Force program for basic research in electronics. Athas will also serve as the Air Force member of the Joint Services Electronics Technical Advisory Committee. The committee directs the Joint Services Electronics Program that was established in 1946 to supervise university electronics basic research programs oriented to Department of Defense needs.

A. J. Carlan, a former supervising engineer with Syntron Company, is president of the newly formed Power Components, Inc., Scottsdale, Pa., a firm specializing in the manufacture of silicon semiconductor and solid-state devices. **Herbert Y. Cadoff**, of Westinghouse Electric's atomic power department, and **Ray H. Salinas**, of Columbus Electronics Corporation, are vice-president and production manager, respectively.

Edwin William Schultz, emeritus professor of bacteriology and experimental pathology at Stanford University, has been appointed visiting senior scientist in the department of pathology at the Oregon Regional Primate Research Center.

Rowland M. Younger, a Martin Company engineer, has been named director of the logistics department, Electronic Systems and Products Division.

Sang U. Choi, professor of chemistry at Yonsei University, Seoul, Korea, has been appointed visiting research professor at Boston University's Graduate School for the 1962-63 academic year.

Bryant M. Wedge, of Yale University's department of psychiatry, has become director of the Institute for the Study of National Behavior, Princeton, N.J.

George H. Lauff, director of the University of Georgia's Marine Institute and associate professor of zoology at the University of Michigan, has been elected to the board of trustees of the Sapelo Island (Ga.) Research Foundation and has accepted the position of research coordinator for the foundation-supported activities.

Donald W. Kerst, director of thermonuclear work at John Jay Hopkins Laboratory for Pure and Applied Science (Calif.), has been appointed to the newly created Earle M. Terry professorship in physics at the University of Wisconsin.

At the U.S. Naval Ordnance Laboratory:

Robert E. Odening, commanding officer of the USS Norfolk, has become head of the laboratory, succeeding **Walter D. Coleman**, who has retired.

M. J. Kamlet, of the organic chemistry division, is serving a 1-year term as ONR's scientific liaison officer (organic chemistry) in London.

Recent Deaths

Ruth C. Christman; edited AAAS symposium volumes since 1950; acting executive editor of *Science* and *The Scientific Monthly*, 1953; 23 July.

James T. Cummings, 44; mathematician at the U.S. Naval Ordnance Laboratory, White Oak, Md.; 25 June.

Elias Elvove, 79; retired chemist at the National Institute of Dental Research; 25 June.

Charles R. L. Halley, 66; emeritus professor of clinical medicine at George Washington University School of Medicine; 15 July.

Dorothy M. Henika, 59; psychologist and former assistant superintendent of public education for Wisconsin; 25 June.

Bernard L. Jarman, 73; first flight surgeon for the Civil Aeronautics Agency (now Federal Aviation Agency); 15 July.

Albert O. Rhoad, 59; research consultant and geneticist for the King Ranch, Kingsville, Tex., and a member of the National Academy of Sciences agricultural board; 23 June.

Sister Ignatius Sanche; professor and chairman of the chemistry department at the College of Mount Saint Joseph (Ohio); 6 June.