$37.50). Methods for the determination of molecular weights of nonvolatile solutes; makes determinations with an organic solvent and water, and discusses conventional calculations.

Demonstrating the Gas Laws (21 minutes; sound; color, $200; black and white, $100); Volume of gas varies directly with absolute temperature, when pressure is constant and inversely with pressure when temperature is constant.

Determination of Atomic Weight (18½ minutes; sound; color, $175; black and white, $87.50). Calculation of atomic weight of copper from data received in determining specific heat and approximate atomic weight, then finding equivalent weight by reducing a known quantity of copper oxide with hydrogen.

Man and Radiation (28½ minutes, color; free loan, $77.99 purchase). Explains the nature of radiation and the history of its discovery, and some of the beneficial applications. (Audio-Visual Branch, Division of Public Information, U.S. Atomic Energy Commission, Washington, D.C. 20545)

The following are available from Norwood Films, 926 New Jersey Avenue, NW, Washington, D.C.

Basic Telephony (23 minutes, sound; black and white, $49.75; No. TF 11–3116). Operating principles, schematic and wiring diagrams, the four circuits (transmitter, receiver, generator, and ringer).

Basic Autopsy Procedure (51 minutes, sound; color, $182; No. PMF 5339). Purpose, technique and advantages of the basic autopsy procedure. Explains the preliminary steps taken by the pathologist and the legal requirements for performing an autopsy.

The following films are available for loan from the NASA Manned Spacecraft Center; all are 16 mm, sound, color. Inquiries should be addressed to the Audio-Visual Branch, Public Affairs Office, 2101 Webster-Seabrook Road, Houston, Texas 77058.

U.S. Manned Lunar Expedition (14 minutes). U.S. approach to placing a man on the moon and returning him to earth safely within this decade; explains the gap between Projects Mercury and Apollo, and describes how Project Gemini is designed to remedy it.

Project Mercury Manned Orbital Flight (6½ minutes). Major sequences of events during a manned orbital flight; includes description of the Atlas launch vehicle, and details of the Mercury systems as they operate during flight and reentry.

Apollo Reentry Simulation (11 minutes). Explanation of the method that will be used for the reentry phase of an Apollo mission; shows a simulated reentry, using computers, graphs, and cockpit.

Aerodynamic Aspects of Project Mercury (21 minutes). Testing of the Mercury configuration in wind tunnels and launches; basic concepts and later modifications which were verified in the Little Joe, Redstone, and Atlas launches.

Scientists in the News

Gunter R. Haase, formerly associate professor in the University of Oklahoma medical school, has been appointed clinical professor of neurology at Temple University's medical school.

The following were recently appointed to 6-year terms on the National Science Board, governing body of the National Science Foundation:

H. E. Carter, dean of the graduate school, University of Illinois;

Julian R. Goldsmith, associate dean, physical sciences division, University of Chicago;

William W. Hagerty, president, Drexel Institute of Technology;

Mina S. Rees, dean of graduate studies, City University of New York;

John I. Snyder, Jr., president and chairman, U.S. Industries, Inc., New York;

Julius A. Stratton, president, Massachusetts Institute of Technology;

Frederick P. Thieme, vice president, University of Washington.

John C. Briggs, research scientist at the Institute of Marine Science, University of Texas, has been appointed professor of zoology at the University of South Florida, as of 1 September.

Robert F. Rinehart has returned to Case Institute of Technology as a professor of mathematics after a 2-year leave of absence as director of research in the Defense Department's weapons systems evaluation group.

Frank D. Drake, former head of the lunar and planetary sciences section at the Jet Propulsion Laboratory, has become associate professor of astronomy at Cornell.

James E. Canright, botany professor at Indiana University, will become professor and chairman of the department of botany at Arizona State University, Tempe, 1 September.

Clinton C. Powell, director of the National Institute of General Medical Sciences, NIH, retired from the Public Health Service 31 July. He will become associate coordinator of medical and health sciences at the University of California, in August.

Ian McTaggart-Cowan, head of the zoology department and assistant dean of science at the University of British Columbia, has been appointed dean of the faculty of graduate studies at the university, succeeding **F. H. Soward**, who retired 30 June. **Vladimir Okulitch**, head of the geology and mining and geological engineering departments at the university, has been appointed dean of the faculty of sciences. He has been acting dean since the establishment of the faculty of science as a separate facility in July 1963.

Recent Deaths

Paul J. Arnold, 67; chairman of the division of sciences and mathematics, Jacksonville State College, Alabama.

Richard M. Bidwell, 45; of the Los Alamos Scientific Laboratory; 26 July.

Thomas Henry Carroll II, 50; president of George Washington University; 27 July.

Harold L. Geissert, 61; professor of sociology and anthropology at George Washington University; 9 July.

William L. Hill, 65; director of the USDA fertilizer laboratory; 17 July.

Matthew T. McClure, 81, dean emeritus of the University of Illinois College of Liberal Arts and Sciences; 28 July.

Paul R. Needham, 62; professor of zoology, University of California, Berkeley; 9 July.

Martin E. Rehfuss, 76; professor emeritus of clinical medicine, Jefferson Medical College; 29 July.

Frederick Hanley Seares, 91; retired assistant director of the Mount Wilson Observatory; 20 July.

Erratum: In the title of the report "Homografts in thymectomized, irradiated mice: responses to primary and secondary skin grafts" by W. E. Davis, Jr., M. L. Tyan, and L. J. Cole (24 July, p. 394), the word "homografts" was misspelled "homographs."