

research and design engineers "an opportunity to become familiar with more involved applications of the equations of motion in the area of mechanical vibrations." The course fee is \$150, which includes texts and supplies. (Director, Short Courses and Conferences, Georgia Institute of Technology, Atlanta, Ga., 30332)

An institute on **molecular biophysics**, sponsored by NATO and the U.S. Office of Naval Research, is scheduled 17-28 August in Squaw Valley, California. International participation is invited; grants for living or travel expenses are available to both U.S. and foreign applicants. (B. Pullman, Institut de Biologie Physico-Chimique, 13, rue Pierre Curie, Paris 5, France)

Evolutionary operation will be the subject of a course 3-4 April, in Rochester, N.Y. The course, designed to "investigate a method for increasing industrial productivity," will be sponsored by the Rochester Institute of Technology and the chemical division of the American Society for Quality Control. (J. H. Swanton, Extended Services Div., Rochester Institute of Technology, Rochester 8, N.Y.)

Applications are available for a course in **biological mathematics**, 20 June to 12 July at Harvard University. The program is designed for college-level biology teachers who hold a Ph.D. degree. It will include introductory work in mathematics for biology, computers, biometrics, and an optional segment in "advanced reading in mathematical topics." The program is offered under a \$21,000 NSF grant, which will provide stipends and limited travel allowances for participants. Participation is limited to 35 persons. (A. F. Bartholomay, Peter Bent Brigham Hospital, Boston, Mass. 02115)

A 1-year course in **radiological physics**, leading to a master of science degree, is being offered by Columbia University. It is designed to train physicists for work in a hospital radiology department or in research or in applications of radiological physics, radiation protection and dosimetry. The prerequisite is a bachelor's degree with a major or strong minor in physics. Some financial aid is available in the form of tuition waivers and stipends, with preference for candidates sponsored by public health agencies. (W. Gross, 630 W. 168 St., New York, N.Y. 10032)

A course in **radionuclide analysis** by gamma spectroscopy is scheduled 23-27 March, in Cincinnati, Ohio. It is aimed toward engineers and laboratory personnel responsible for the measurement of radioactivity in the environment, and will provide training in qualitative and quantitative analyses. No tuition or registration fee will be required. (Director, Training Program, Robert A. Taft Sanitary Engineering Center, 4676 Columbia Pkwy., Cincinnati 26, Ohio)

Scientists in the News

John B. Smyth, president of Smyth Research Associates, will be a visiting professor of electrical engineering at Pennsylvania State University, through June.

William H. McLean, former vice president of Merck & Co., Rahway, N.J., has been appointed assistant to the president, at Stevens Institute of Technology.

Martin H. Bloom, professor of aerospace engineering at the Polytechnic Institute of Brooklyn, has been named head of the department of aerospace engineering and applied mechanics at the school. He succeeds **Antonio Ferri**, who has been made a professor of aeronautics and astronautics at New York University. Both appointments became effective 1 February.

Harry J. Welch, formerly with Allis Chalmers, has been appointed senior research engineer at De Laval Turbine, Inc., Trenton, N.J.

Herbert Friedman, head of the U.S. Naval Research Laboratory's atmospheric and astrophysics division, has been awarded the American Institute of Aeronautics and Astronautics 1963 Space Science award, and its accompanying \$1000 honorarium.

William H. Anderson, who retired 31 December as chief of the department of psychiatry and neurology at Walter Reed Army Medical Center, Washington, D.C., has been appointed associate professor of psychiatry at the University of Missouri Medical School.

Robert Spence, deputy director of the United Kingdom Atomic Energy Establishment, Harwell, England, has been appointed director of the facility.

Ray S. Snider, a professor at the University of Rochester's Center for Brain Research, has been named director of the center, succeeding **E. Roy John**, who will become a research professor of psychiatry at the Flower Hospital, New York Medical College, in June.

Robert Higgins Ebert, former Hord professor of medicine at Western Reserve University and director of medicine in the University Hospitals of Cleveland, has been appointed Jackson professor of clinical medicine at Harvard. He will also be head of the University's department of medicine and chief of medical services at Massachusetts General Hospital.

Ta-You Wu, former senior research officer and head of the theoretical physics sections of the National Research Council of Canada, has been appointed research professor of physics at the Polytechnical Institute of Brooklyn.

The Society of Economic Paleontologists and Mineralogists has elected **James Marvin Weller** president for the 1964-65 term. He is a professor of geophysical sciences at the University of Chicago.

Recent Deaths

Harold L. Alden, 74; retired professor of astronomy and director of Leander McCormick Observatory, University of Virginia; 3 February.

Bennett M. Allen, 86; emeritus professor of zoology and former chairman of the department, U.C.L.A.; 12 December.

Alfred L. Anderson, 63; geology professor at Cornell University; 27 January.

Elmer W. Brandes, 72; retired head pathologist in the division of rubber and sugar plant investigations, USDA; 3 February.

Samuel E. Hill, 65; former chairman of the biology department, Russell Sage College and retired research chemist, Behr-Manning Division, Norton Co.; 12 January.

Alfred J. Wright, 66; professor of geography at Ohio State University; 14 January.

Erratum: In the News and Comment story on *Automation and the Library of Congress* [Science 143, 452 (31 January)], it was incorrectly reported that the number of Library of Congress employees is about 7000. The correct number is about 3000.