

pulsory programs for alcoholics and the mentally ill, and Congress is showing interest. There would certainly be dangers involved in such a program, but the problem of rehabilitation of addicts is such a serious one that—as the commission's report makes clear—new initiatives are necessary.

—JOHN WALSH

Announcements

The **American Sociological Association**, under contract with NSF, is compiling a sociological section of the National Register of Scientific and Technical Personnel. In March the association plans to mail questionnaires to U.S. sociologists, and the resulting list is expected to be available this fall. It will include details on the sociologists' level of training, specialties, and professional characteristics. Janice H. Hopper, of the association, is director of the project. Additional information is available from Project National Register, American Sociological Association, 1755 Massachusetts Ave., NW, Washington, D.C. 20036)

Rice University has begun two new graduate programs in **electrical engineering**, leading to the masters and Ph.D. degrees. The programs, one in system and information theory, the other in solid state and physical electronics, are designed for students with degrees in science or mathematics and an interest in engineering applications appropriate to a particular field of science.

Meeting Notes

Cambridge, England, will be the site of an international symposium on **cold cathode tubes**, 17–19 March. The meeting is sponsored by the British Institution of Radio Engineers. Papers are invited on tube development, circuit design, manufacturing techniques, physics of operation, applications, and reliability. (Secretary, Program and Papers Committee, B.I.R.E., 9 Bedford Sq., London, W.C.1)

The University of Rochester will sponsor a conference on **data acquisition and processing** in medicine and biology, 13–15 July. The subjects covered will include medical literature, experimental data, methods of dealing with all aspects of the communications

problems, and systems now in operation. Papers on fundamental and applied data are invited. Deadline: *15 April*. (K. Enslein, 42 East Ave., Rochester, N.Y. 14604)

The fourth international symposium on **comparative endocrinology** will take place in Paris, 20–26 July. Attendance is by invitation from the program committee. Information on the meeting and on invitations is available from L. Gallien, head of the committee, at the Laboratoire d'Embryologie, 9, quai St.-Bernard, Paris 5.

The call for papers has been issued for the ninth symposium on **ballistic missile and space technology**, scheduled 12–14 August, in San Diego, Calif. Papers are welcome on the scientific and engineering aspects, pertinent to military applications. Five copies of the manuscript and of a 40-word, unclassified abstract, are required. Each section of the papers must be marked with appropriate security classification. Participants in the meeting must be eligible to attend classified sessions. Deadline: *3 April*. (C. J. Morrow, Aerospace Corp., P.O. Box 95085, Los Angeles, Calif. 90045)

Grants, Fellowships, and Awards

Fellowships in **forestry** are available through the Charles Bullard fund at Harvard University. They are open to men in public service, colleges, or private forestry; an advanced degree is not required. The fellowships are for 1 year of advanced study and research in any phase of forestry, with programs to fit the needs of the individual recipients. The recipients may study toward an advanced degree if they so desire, but this is not necessary since formal degree requirements might hamper their special research or study programs. Stipends of up to \$15,000 will be offered, to supplement or replace the recipients' salaries. Applications may be submitted throughout the year; however, for persons whose program will cover a regular academic year, the deadline is *1 April*. (Committee on the Charles Bullard Fund for Forest Research, Littauer Center 123, Harvard University, Cambridge 38, Mass.)

Fellowships in **steroid biochemistry** are offered at Clark University and the University of Utah. Stipends are \$6000 for 1 year, for persons with a Ph.D. or

M.D. degree; they will also receive allowances for dependents. Predoctoral candidates, with either a bachelor's or a master's degree, may apply only at Clark; their stipends will be \$1800 for 6 months. Deadline for applications: *1 April*. (K. Eik-Nes, Department of Biochemistry, University of Utah Medical School, Salt Lake City; or W. R. Nes, Department of Chemistry, Clark University, 950 Main St., Worcester, Mass.)

Fellowships are available from the department of oceanography, Oregon State University, for graduate research in **radioecology** or **radiochemistry**. Candidates must have a bachelor's or master's degree in science, and must be candidates for an advanced degree. Summers will be spent in field work, special studies, and research; the academic year will be devoted to course work. The fellowships are for 1 year, renewable for up to 3 years. The stipend is \$2800, plus tuition. Deadline: *1 April*. (C. Osterberg, Department of Oceanography, Oregon State University, Corvallis)

Nominations are invited for the Fritz London award for research in **low temperature physics**. The award and a \$1000 honorarium will be presented during the ninth international conference on low temperature physics, 31 August to 4 September, at Ohio State University, Columbus; the recipient will receive a contribution toward traveling expenses to the conference. Suggestions for the award, preferably from individuals rather than groups, should include supporting statements; there are no citizenship requirements. Deadline: *15 April*. (L. D. Roberts, Oak Ridge National Laboratory, Oak Ridge, Tenn.)

Courses

Georgetown University will present its annual workshop in **nuclear magnetic resonance** 31 March to 2 April, in Washington, D.C. The course will be aimed toward the needs of beginners in high resolution NMR spectroscopy, and will emphasize applications for organic chemists. (A. J. Rosen, Department of Chemistry, Georgetown University, Washington, D.C. 20007)

Georgia Institute of Technology will sponsor a course in **advanced mechanical vibrations**, 27 April to 1 May, in Atlanta. The course is designed to give

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.