

The commission, significantly, has "development planning" in its title, and its work is expected to extend beyond the emergency period.

A broad-based study of earthquake effects, which is now being given earnest attention within the Executive branch, would be a practical indication of the federal government's interest in seeing Alaska build on firm foundations.—JOHN WALSH

Announcements

The election of 35 American and 6 foreign scientists to the National Academy of Sciences was announced this week. The American scientists are:

Thomas F. Anderson, senior member, Institute for Cancer Research, and professor of biophysics, University of Pennsylvania.

James R. Arnold, professor of chemistry, University of California.

Lipman Bers, professor of mathematics, New York University.

Raoul Bott, professor of mathematics, Harvard University.

Robert J. Braidwood, professor of anthropology and professor of Old World prehistory, Oriental Institute, University of Chicago.

Jule G. Charney, professor of meteorology, Massachusetts Institute of Technology.

David Y. Curtin, professor of organic chemistry, University of Illinois.

Philip J. Darlington, Jr., Alexander Agassiz professor of zoology, Harvard University.

Freeman J. Dyson, professor of physics, Institute for Advanced Study.

Harold E. Edgerton, professor of electrical engineering, Massachusetts Institute of Technology.

Louis B. Flexner, professor of anatomy and director, Institute of Neurological Sciences, University of Pennsylvania, and research associate, department of embryology, Carnegie Institution of Washington.

Alfred Gilman, professor of pharmacology, Albert Einstein College of Medicine, Yeshiva University.

Walter Gordy, James B. Duke professor of physics, Duke University.

Philip Handler, James B. Duke professor of biochemistry, Duke University School of Medicine.

George H. Herbig, astronomer and assistant director, Lick Observatory, University of California.

Fritz John, professor of mathematics, New York University.

Walter J. Kauzmann, professor of chemistry, Princeton University.

Eugene P. Kennedy, Hamilton Kuhn professor of biological chemistry, Harvard Medical School.

Otto Kraye, Charles Wilder professor of pharmacology, Harvard Medical School.

Stephen W. Kuffler, professor of neurophysiology, Harvard Medical School.

Tsung-Dao Lee, professor of physics, Columbia University.

Hans Lewy, professor of mathematics, University of California.

Oliver Howe Lowry, professor of pharmacology, Washington University School of Medicine.

Clark B. Millikan, professor of aeronautics and director, Guggenheim Aeronautical Laboratory, California Institute of Technology.

George P. Murdock, Andrew Mellon professor of social anthropology, University of Pittsburgh.

William D. Neff, professor of psychology, Indiana University.

Keith R. Porter, professor of biology, Harvard University.

John R. Raper, professor of botany, Harvard University.

Oscar K. Rice, professor of chemistry, University of North Carolina.

Kenneth D. Roeder, professor of physiology, Tufts University.

Ernest R. Sears, senior geneticist, U.S. Department of Agriculture, and research associate, University of Missouri.

Richard B. Turner, professor of chemistry, Rice University.

Chaves T. Walling, professor of chemistry, Columbia University.

Aaron C. Waters, professor of geology, University of California.

Thomas H. Weller, Richard Pearson Strong professor of tropical public health, Harvard School of Public Health.

The six foreign scientists elected to the Academy are:

Sir Christopher Andrewes, former deputy director of the National Institutes for Medical Research, London, and codiscoverer of the influenza virus in 1933.

J. B. S. Haldane, research professor, Genetics and Biometry Laboratory, Orissa, India.

Sir Hans Krebs, chairman of the department of biochemistry at Oxford University.

Henrik Gunnar Lundegardh, profes-

sor emeritus, College of Agriculture of Sweden, and director of the Research Laboratory in Plant Physiology, Penningby, Sweden.

Marcel Gilles Josef Minnaert, professor emeritus, University of Utrecht, and director of the Utrecht Observatory.

Maurice Roy, directeur général de l'Office National d'Etudes et de Recherches Aeronautiques.

A department of **molecular biology** has been established at the University of California, Berkeley. It will offer an M.A. and Ph.D. degree with specialization in ultrastructure, macromolecules, molecular and microbial genetics, cellular regulation and growth, biology of viruses and of bacteria, and bioenergetics. The department will be headed by Robley C. Williams, professor of virology at the university.

Meeting Notes

The **Engineering Foundation research conferences** are scheduled 27 July to 21 August, at Proctor Academy, Andover, New Hampshire. The meetings, patterned after and assisted by the Gordon Research Conferences, will include four 5-day conferences: Technology and the Civilian Economy, 27–31 July; Engineering in Medicine, 3–7 August (both continuations of conferences begun last summer); Technological Challenges for the U.S. in World Markets 1964–1974, 10–14 August; and Engineering Innovation in Building and Construction, 17–21 August. The fee for each conference is \$125, which will cover registration, room, and board; some financial assistance will be available. Attendance is limited to 100 at each conference. (H. K. Work, Engineering Foundation, 345 East 47 St., New York 17)

Communications in the area of systems, equipment, techniques, and associated fields will be highlighted during the 10th national **communications** symposium (NATCOM X), 5–7 October in New York. The meeting will be sponsored by the professional technical group on communication technology of the Institute of Electrical and Electronics Engineers. Papers are invited for presentation at the meeting; authors must obtain the necessary DOD clearance for work done under government

contract. Five copies are needed of a 100-word abstract and of a 500-word summary. Deadline: *1 June*. (J. L. Ryerson, Rome Air Development Center, Griffiss Air Force Base, N.Y.)

The Polytechnic Institute of Brooklyn, N.Y., plans a symposium on **quasi-optics**, 8–10 June. Papers will deal with theoretical and applied aspects of optical techniques “at wavelengths of a scale which is small compared to the guiding or perturbing configurations.” (Polytechnic Inst. of Brooklyn, 333 Jay St., Brooklyn, N.Y. 11201)

A conference on the **teaching of relativity** at the undergraduate level will be held 15 June to 3 July at Arlington State College, Texas, and is being supported by the National Science Foundation. It is intended for college teachers interested in the basic ideas and principles of special and general relativity and their incorporation into physics, mathematics, and engineering courses. Stipends and travel allowances are available. A selected group of participants will act as discussion leaders and assistants; they will attend a week-long preliminary conference beginning 8 June. (J. Ellis, Department of Physics, Arlington State College, Arlington, Tex.)

Courses

Inorganic materials preparation and characterization is the subject of a course scheduled 22 June to 3 July at Pennsylvania State University. The course will emphasize high band gaps materials, and will cover crystal and structural chemistry; high temperature, high pressure synthesis; phase transitions and crystalline solution; preparation of glasses and polycrystalline “ceramic” bodies; and single crystal growth theory and technology. Also, latest methods of characterization of the elemental content of point defect and line defect content will be covered. (Pennsylvania State University, Conference Center, University Park, Pa. 16802)

Farleigh Dickinson University, Madison, N.J., will offer a two-part institute in **thermoanalysis**, in June. The introductory session, 8–12 June, will include lecture and laboratory work on techniques of thermogravimetry, differential thermoanalysis, effluent gas

analysis, and differential scanning calorimetry. The fee for this session is \$100; dormitory facilities are available for \$55.

The advanced session, 15–17 June, will emphasize recent developments in the field, and new apparatus will be demonstrated. The fee is \$60; dormitory facilities are \$33. (S. Gordon, Thermoanalysis Institute, Farleigh Dickinson University, Madison, N.J.)

The Texas A&M Marine Laboratory will present a course in **biology of the mollusca**, 20 July to 14 August, in Galveston. It will deal primarily with living mollusca of the area, emphasizing life history, systematics, anatomy, physiology, diseases, parasites, and predators. Deadline for applications: *15 June*. (Director, A&M Marine Laboratory, Texas A&M University, Bldg. 311, Ft. Crockett, Galveston, Tex.)

Scientists in the News

M. L. Staples, assistant director of the textile department, Ontario Research Foundation, has been elected president of the Institute of Textile Science.

The John J. Abel prize in pharmacology was presented recently to **James R. Fouts**, associate professor of pharmacology at the State University of Iowa college of medicine. The award and \$1000 honorarium went to him for his work in microsomal drug metabolism.

Alfred W. Crompton, director of the South African Museum, Cape Town, has been appointed director of the Peabody Museum of Natural History at Yale University, effective 1 July.

The University of Miami has appointed **James R. Jude** professor and chief of the division of thoracic and cardiovascular surgery, effective in September. He is currently at Johns Hopkins University.

Louis Levin, dean of science and associate dean of faculty at Brandeis University, has been appointed head of the National Science Foundation's new Office of Program Development and Analysis. The office will be responsible for carrying out studies directed toward internal NSF planning, and for a continuing analysis of all on-going programs of the Foundation.

Francis DiVesta, professor of educational psychology at Syracuse University, has been named professor of education and psychology at Pennsylvania State University, effective 16 June.

Recent Deaths

Henry K. Beye, 52; director of the Middle America Research Unit, U.S. Public Health Service; 8 April.

James P. Chapin, 74; curator emeritus of birds, and research associate in African ornithology, American Museum of Natural History; 5 April.

Edwin B. Copeland, 90; former dean of the agriculture college, University of the Philippines; 16 March.

Simon A. Komarov, 71; associate professor of research physiology, Temple University; 29 March.

Paul J. Linder, 55; plant physiologist, crops research division of the USDA's agricultural research service; 21 March.

Martin A. Mayers, 58; research manager, American Society of Heating, Refrigerating, and Air Conditioning Engineers; 5 March.

Henry Milch, 68; consulting and emeritus attending orthopedic surgeon, Hospital for Joint Diseases, New York; 3 March.

Charles F. Morgan, 52; associate director of the anatomy department, University of Minnesota Medical Center; 10 March.

Winthrop Osterhout, 92; member emeritus and former head, general physiology division, Rockefeller Institute; 9 April.

James T. Penney, 63; chairman of the biology department, University of South Carolina; 29 March.

Stuart F. Quan, 48; research bacteriologist and pharmacologist, PHS Communicable Disease Center, San Francisco, California; 29 February.

Charles B. Sawyer, 69; president, Sawyer Research Products, Cleveland, Ohio, and developer of modern uses for beryllium in nuclear physics; 24 March.

Iosif Y. Starik, 62; Soviet radiochemist, founder and head of the Commission on Absolute Age of Geological Formations; 27 March.

P. K. Whelpton, 71; former director of the Scripps Foundation for Research in Population Problems; 6 April.

Harry L. Wieman, 80; retired head of the zoology department, University of Cincinnati, Ohio; 26 March.