

tions have maintained their preeminence, while a few which are not so strong have slipped a bit. The leading private universities have managed this in large part by being beneficiaries, along with the stronger state universities, of federal research funds. What happens if federal policies change in the direction of redistributing these funds to the benefit of universities which are now less illustrious is a pertinent question. And what happens to the paramount state institutions in the sharpening competition for state funds for higher education also remains to be seen.

Meanwhile the Cartter study will give university presidents a text to point to with either pride or alarm in their dealings with trustees, foundations, state legislators, alumni, and wealthy friends. And for faculty and graduate students it will serve as a new Consumer's Guide to the academic marketplace.—JOHN WALSH

Announcements

A study of the role of **computer systems** in the administration of colleges and universities will be undertaken by the System Development Corporation under sponsorship of the American Council on Education and the College Entrance Examination Board. The study is designed to review the present uses and the potential values of computer technology to administrators. The project will be managed by John F. O'Toole, Jr., and the principal investigator will be John G. Caffrey, both in the advanced systems division of Computer Development Corporation.

The Thomas Alva Edison Foundation recently presented its annual **Edison awards** for children's books, films, and radio and television programs and stations considered to best serve youth. Awards involving the sciences were made in the following categories:

Best science television program for youth: "Grand Canyon: A Journey with Joseph Wood Krutch," NBC.

Best science radio program for youth: "World of Science," NBC.

Special citation for a scientific television series: "Animals and Man," Canadian Broadcasting Corporation.

Special citation for an educational film: "Careers in Engineering," General Electric Company.

Best children's science book: *Biography of an Atom*, by J. Bronowski and Millicent E. Selsam; Harper and Row.

Best science book for youth: *Explorations in Chemistry*, by Charles A. Gray; Dutton.

Required 6 months' notice is given on the possible use of plenary powers by the International Commission on Zoological Nomenclature in connection with the following names, listed by case number [see *Bull. Zool. Nomencl.* **23**, pt. 1 (30 April 1966)]:

- 1733 Validation of *TRYPETESINAE* Lacordaire, 1833, as the family-group name for *Trypetes* Schoenherr, 1836 (Insecta, Diptera).
- 1735 Validation of *Podalonia* Fernald, 1927, with designation of type species (Insecta, Hymenoptera).
- 1737 Suppression of *Gobius lenkoranicus* Kessler, 1877 (Pisces).
- 1738 Grant of Priority from 1876 to *Colignoniceras* Breistroffer, 1947 (Ammonoidea).
- 1740 Suppression of *Clupea isingleena*, *Clupea nymphaea*, *Clupea caeruleovittata* Richardson, 1846, and *Anguilla clathrata* Richardson, 1844 (Pisces).

Comments should be sent in duplicate, citing case number, to the Secretary, International Commission on Zoological Nomenclature, British Museum (Natural History), Cromwell Road, London, S.W.7., England. Those received early enough will be published in the *Bulletin of Zoological Nomenclature*.

Meeting Notes

Papers are invited for presentation at the Northeast **electronics research and engineering** meeting (NEREM), 2–4 November in Boston. Topics to be covered include semiconductor devices and techniques, communications systems and techniques, space electronics, electronic circuits, and biomedical electronics. Sponsor: Institute of Electrical and Electronics Engineers. Abstracts: 35 to 40 words; condensed paper: 600 to 1000 words. Deadline: 1 July. (T. A. Longo, 31 Channing Street, Newton, Massachusetts 02158)

A symposium on **computer and information sciences** is scheduled for 22–24 August in Columbus, Ohio. Papers will discuss various aspects of learning, adaptation, and control in information systems. Attendance is open to

all interested technical personnel; delegates will be housed in dormitories on the Ohio State University campus. Sponsors: Columbus Laboratories of Battelle Memorial Institute, Office of Naval Research, Ohio State University. (Julius T. Tou, Communication Science Research Center, Columbus Laboratories, Battelle Memorial Institute, 505 King Avenue, Columbus, Ohio 43201)

A conference on principles of **radiation protection** is scheduled to be held 24–26 August at Oak Ridge, Tennessee. The topics will include recent research and opportunities for teaching, research, and applied programs in radiation protection and health physics. Participants will be faculty of university and liberal arts colleges, technical institutes, and engineering schools. A few will be eligible for travel expenses and per diem allowance for the conference. Sponsors: Oak Ridge Associated Universities, Oak Ridge National Laboratory, AEC Division of Nuclear Education and Training. (Special Projects Office, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, Tennessee 37830)

A conference on the **characterization of materials** will be held at Pennsylvania State University 16–18 November. The meeting will consist of invited lectures and a limited number of contributed papers designed "to focus the attention of the international scientific community on this field, to interchange information on objectives, standards, and techniques, and to survey recent progress." Topics to be covered include elemental composition and homogeneity of materials; site distribution and valence state of ions in crystals; determination of periodic and aperiodic structures; characterization of point, line, and surface defects; problems of clustering; and phase separation phenomena. (Rustum Roy, Materials Research Laboratory, Pennsylvania State University, University Park 16802)

Papers are being solicited for the 1966 Pittsburgh **diffraction** conference, to be held 9–11 November. Papers on any aspect of diffraction, microscopy, crystallography, crystal physics, or related instrumentation will be considered. Abstracts: 400 words; deadline: 12 September. (P. R. Swann, U.S. Steel Corporation, Fundamental Research Laboratory, Monroeville, Pennsylvania 15146)

Papers are invited for presentation at a symposium on **oxides of sulfur** in modern chemistry, scheduled for 22–27 May 1967 in Toulouse, France. Participation in the meeting will be limited. Sponsors: Institute of Chemical Engineering of the University of Toulouse; the Sulphur Institute, Washington and London. Summaries deadline: *30 September*. (Secretariat of the Symposium, Institute of Chemical Engineering, University of Toulouse)

Grants, Fellowships, and Awards

A visiting scientist program sponsored by the **American Heart Association** will enable Americans in cardiovascular research to sponsor the visits of foreign colleagues to this country. The program will become effective 1 July for the 1967–1968 academic year. The American hosts and their foreign visitors will be able to share a laboratory and to collaborate on mutual problems and exchange information and techniques.

The association has appropriated \$60,000 for the first year of the project. The number of awards will vary according to the length of stay and the stipend of each visiting scientist; between three and 12 awards are anticipated the first year. Stipends for the visitors will be determined on an individual basis; travel allowance for each guest and one dependent of each will also be included. Applications should be made by the prospective hosts on behalf of the persons they wish to sponsor. Deadline: *15 September*. (Director of Research, American Heart Association, 44 East 23 Street, New York 10010)

The University of Pennsylvania offers a master's degree program in **regional planning** designed for people with undergraduate degrees in the natural or social sciences. The program is a result of the need for "biologists, geologists, and social scientists . . . as an essential contribution to the planning process." The degree can be earned in 2 years, after which doctoral programs can be arranged. A limited number of fellowships are available, providing tuition of \$1500, plus stipends ranging from \$500 to \$3000. (Nicholas Mohlenberg, Department of Landscape Architecture and Regional Planning, Graduate School of Fine Arts, University of Pennsylvania, Philadelphia 19104)

Retired military officers with the bachelor's degree in physics or engineering may train to become **high school physics teachers** through an NSF grant to Florida State University. Participants in the program must be under 55 years old; candidates with recent experience in physics or engineering will be given preference. The program will last from 1 September this year to December 1967, and will include practice teaching in the Florida public school system. Successful participants are assured of employment in the state.

The \$72,000 NSF grant will provide travel and book allowance, plus \$83 a month toward housing. Application deadline: *15 July*. Stipend offers will be made by the end of July. (David D. Redfield, Physics Institute for Retired Military Officers, Department of Science Education, Florida State University, Tallahassee 32306)

Scientists in the News

Jerome B. Wiesner, for the past 2 years dean of the School of Science at the Massachusetts Institute of Technology, will become provost of the Institute 1 July. He will be the senior academic officer, reporting to M.I.T.'s president, and will be responsible for interdisciplinary activities of the Institute's five schools. Wiesner will succeed **Charles H. Townes**, who, according to an M.I.T. announcement, has asked to be relieved of major administrative duties to concentrate on scholarly work as an Institute Professor.

Raymond L. Bisplinghoff, who has been on leave since 1962 serving in several capacities at NASA, will return to M.I.T. 1 July as head of the department of aeronautics and astronautics. He will succeed **Charles Stark Draper** who, as an Institute Professor and Professor of aeronautics and astronautics, will continue as a senior faculty member of the department and as director of the M.I.T. Instrumentation Laboratory.

Irving Schulman, head of the department of pediatrics at the University of Illinois medical school, has been elected president of the Society for Pediatric Research.

The Atomic Energy Commission this year presented its E. O. Lawrence memorial awards and \$5000 honorariums to the following: **Harold M. Ag-**

new, weapons division leader, Los Alamos Scientific Laboratory, for contributions to development of nuclear weapons and his work to assure maximum safety and effectiveness of atomic weapons systems; **Ernest C. Anderson**, biophysics staff, Los Alamos Scientific Laboratory, for contributions to nuclear medicine, biological research, and archeological dating, and for development of liquid scintillation counting which made possible early neutrino experiments and the liquid scintillator whole body counter; **John R. Huizenga**, senior scientist, Argonne National Laboratory, for work in nuclear fission processes, particularly in the study of spontaneous fission; **Murray Gell-Mann**, physics professor at Caltech, for contributions to the theory of elementary particles; **Paul R. Vanstrum**, technical management staff, Oak Ridge Gaseous Diffusion Plant, for technical administration and leadership in developing isotopic separation processes for uranium, and for technical contributions in developing the zonal-gradient liquid centrifuge for biological uses.

Recent appointments at the University of Hawaii include the following:

William M. Sinton, formerly astronomer at Lowell Observatory, has become professor of physics and astronomy.

Michael S. Watanabe, formerly visiting professor of electrical engineering and philosophy at Yale, and **San Fu Tuan**, formerly associate professor of physics at Purdue, have become professors of physics.

Jurgen Meyer-Arendt, formerly with the National Bureau of Standards and the University of Colorado, has been appointed professor of physics at Indiana State University, Terre Haute.

James A. Morrison has been appointed director of the division of pure chemistry of the National Research Council of Canada, succeeding W. G. Schneider, who became vice president (scientific) of the NRC last fall. Morrison has been a member of the division since 1946.

Marshall C. Yovitz, head of the naval analysis group, Office of Naval Research, has been appointed professor and chairman of the division of information sciences at Ohio State University and director of the center for research in information sciences.