

of volunteers to get the surveys made.

Also, more is known about some fields than about others. In general the natural science associations have collected more complete information than have the social science associations, except in biology where we know almost nothing about the numbers and status of women and minorities.

An unequivocal policy is a necessary first step for almost any association. Second, a high-powered commission or committee is necessary to continue functioning as a watchdog after the initial investigation. And every commission member will testify that adequate and dedicated staff support is a necessity. Efforts for women are gathering momentum in most of the associations. Efforts on behalf of minorities are not so many nor so intense. The problems involved in increasing their numbers and improving their status in the sciences are indicative of the depth of ra-

cial segregation still prevalent in our professional lives. These problems are resistant to change and their solution will require much greater effort than they have received so far.

1974 AAAS Prizes Announced

AAAS-Newcomb Cleveland Prize: Amos M. Nur, Department of Geophysics, Stanford University, for his paper on "Origin of Velocity Changes Before Earthquakes: The Dilatancy Diffusion Hypothesis and Its Confirmation," which he gave at the 1974 San Francisco meeting.

AAAS Socio-Psychological Prize: William E. McAuliffe, Harvard University, and Robert A. Gordon, Johns Hopkins University, for their paper entitled "A Test of Lindesmith's Theory of Addiction: The Frequency of Euphoria Among Long-Term Addicts," originally

published in the *American Journal of Sociology*.

AAAS-Westinghouse Science Writing Awards: For science writing in newspapers with over 100,000 daily circulation, George Alexander, *Los Angeles Times*, for three articles: "Our Universe: Is It Expanding or Is It 'Closed'?" (2 January 1974); "Scientists Working to Unlock the Chemistry of Behavior" (31 March 1974); and "Fossil-Dating Technique May Bring New Outlook on Man" (18 August 1974).

For science writing in newspapers with under 100,000 circulation: Judith M. Roales, *Delaware State News*, for a ten-part series on the oil and gas industry in Louisiana and Texas as it applied to probable development in Delaware (17 to 27 February 1974).

For science writing in magazines: Michael Rogers, *Rolling Stone*, for an article "TOTALITY, A Report" (11 October 1973), which described observation in Mauritania of the 1973 total solar eclipse.

1975 AAAS Awards Announced

This year the Association will inaugurate the AAAS-Rosenstiel Award in Oceanographic Science, with support from the Rosenstiel Foundation through the Rosenstiel School of Marine and Atmospheric Sciences of the University of Miami. The award of \$5000 and a certificate will honor outstanding achievement and distinction in oceanographic science, including relevant aspects of ocean engineering where significant new principles are concerned, and aspects of atmospheric science with important implications for understanding of oceanic processes.

Because of the multidisciplinary nature of oceanographic science, selection of recipients will be based on a 3-year cycle. The 1975 award will emphasize geology, physics, and chemistry of the seabed.

The award will be presented at the AAAS Annual Meeting. The recipient will be invited to spend a week at the Rosenstiel School for lectures and discussions with faculty and students.

Nominations for the 1975 award are invited. They should include adequate justification (one or two pages) together with identification of relevant publications, and should be sent to the Chairman of the Selection Panel, Dr. Joshua I. Tracey, U.S. Geological Survey National Center, MS 915, 12201 Sunrise Valley, Herndon, Virginia 22070, for receipt not later than 1 July 1975.

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Through the generosity of the late Arthur F. Bentley, the AAAS offers an annual Socio-Psychological Prize of \$1000 for a meritorious paper that furthers understanding of human psychological-social-cultural behavior. The prize is intended to encourage in social inquiry the development and application of the kind of dependable methodology that has proved so fruitful in the natural sciences.

Entries should present a completed analysis of a problem, the relevant data, and interpretation of the data in terms of the postulates with which the study began.

Unpublished manuscripts and manuscripts published after 1 January are eligible; the maximum length is 30,000 words; identification of author(s) must be removed. Entries and brief abstracts must be submitted in quintuplicate no later than 1 September 1975. For complete instructions write to: Executive Office, AAAS, Eighth Floor, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036.

Notes from Other Offices

Science and Society: The deadline for application to the 1975-76 Congressional Science Fellow Program was 31 March. The office received approximately 70 complete applications. The Ad Hoc Selection Committee is in the process of screening applications and preparing to interview finalists. The winners will be announced in the next AAAS News (6 June issue of *Science*).

Reprints of the AAAS "White Paper," "Organization for science and technology in the Executive Branch" (7 March issue of *Science*), are available on request from this office.

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International Science: The second *Science* compendium entitled *Population: Dynamics, Ethics and Policy*, consisting of 31 articles, reports, and reviews which appeared originally in *Science* between 1966 and 1975, is being published this month with a preface by Margaret Mead and an introduction by Priscilla Reining and Irene Tinker. The book is also the second in a series of AAAS occasional publications on the subject of population produced under the guidance of the Advisory Committee on Cultural Factors in Population Programs. (The first book in the series is *Culture and Population Change*.)

Dr. Marcel Roche of Venezuela has accepted the invitation of the Coordi-

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AAAS NEWS

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nating Committee of the Associations for the Advancement of Science in the Americas to become editor of the new trilingual (Spanish, English, and Portuguese) journal, *Science and Man*. Roche, 54, is widely regarded as one of Latin America's most distinguished scientists. He has been professor of physiopathology at the Central University of Venezuela since 1958.

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Communications: The Department will be cosponsoring a seminar on Food and Nutrition with the Fernbank Science Center in Atlanta, 15-16 May. In conjunction with the seminar, an experimental membership registration project was conducted. Two-page questionnaires were mailed to the 864 AAAS members in the Atlanta area, inquiring about their interest in public understanding of science activities, both with the AAAS and the Fernbank Center. The response has been very good.

Other regional seminars planned by the Department are "Energy: Alternatives for Ohio," to be held in Cleveland 9-10 May; and "Energy Conservation—Resource Recycling and Reclamation," in Montgomery, Alabama, 10-11 June. The Department is also assisting the Weekend College of Wayne State in Detroit with their plans for a food science seminar the last weekend in May.

NOVA Program Schedule: The full 1974-75 NOVA season will be rebroadcast over all PBS stations, beginning Tuesday, 22 April, at 8:30 p.m. and repeating Saturday, 26 April, at 8:00 p.m. The program schedule for May is:

6 May. *The Hunting of the Quark*. Smashing matter into ever smaller pieces in an attempt to find its fundamental building blocks has produced a confused nightmare of particles. One way they can be made sense of is to postulate the existence of the quark (BBC).

13 May. *The Secrets of Sleep*. Most of us spend one-third of our lives in a state of which we understand remarkably little. The film challenges traditional notions about how much sleep we need (BBC/WGBH).

20 May. *Inside the Golden Gate*. How San Francisco Bay works—its physics, chemistry, biology (WGBH).

27 May. *The Men Who Painted Caves*. French and American archeologists piece together cave art of the last Ice Age (BBC).

BOOKS RECEIVED

(Continued from page 444)

Functional Chemistry of the Brain. Adrian J. Dunn and Stephen C. Bondy. SP Books (Spectrum Publications), Flushing, N.Y., 1974 (distributor, Halsted [Wiley], New York). xvi, 272 pp., illus. \$14.95. Monographs in Modern Neurobiology.

The Growth of Competence. Proceedings of a meeting, London, Jan. 1972. Kevin Connolly and Jerome Bruner, Eds. Academic Press, New York, 1974. xii, 328 pp., illus. \$17.50. Developmental Sciences Series.

Handbook of Applied Mathematics. Selected Results and Methods. Carl E. Pearson, Ed. Van Nostrand Reinhold, New York, 1974. xiv, 1266 pp., illus. \$37.50.

Initial Reports of the Deep Sea Drilling Project. Joint Oceanographic Institutions for Deep Earth Sampling (JOIDES). Vol. 26. Sept.-Oct. 1972. Prepared for the National Science Foundation by the Scripps Institution of Oceanography, La Jolla, Calif., 1974 (available from the Superintendent of Documents, Washington, D.C.). xx, 1130 pp., illus. \$20.15.

Lifespan and Factors Affecting It. Aging Theories in Gerontology. Daniel Hershey. Thomas, Springfield, Ill., 1974. xiv, 158 pp., illus. Paper, \$9.75.

Manter and Gatz's Essentials of Clinical Neuroanatomy and Neurophysiology. Ronald G. Clark. Davis, Philadelphia, ed. 5, 1975. viii, 182 pp., illus. Paper, \$6.

The Nebular Variables. John S. Glasby. Pergamon, New York, 1974. x, 210 pp., illus. \$22.50. International Series of Monographs in Natural Philosophy, vol. 69.

North of Latitude Eighty. The Defence Research Board in Ellesmere Island. G. Hattersley-Smith. Canada Defence Research Board, Ottawa, 1974 (available from Information Canada, Ottawa). x, 122 pp., illus. + loose map. Paper, \$C6.75.

Pain Patients. Traits and Treatment. Richard A. Sternbach. Academic Press, New York, 1974. xiv, 136 pp., illus. \$9.50.

PASCAL. User Manual and Report. Kathleen Jensen and Niklaus Wirth. Springer-Verlag, New York, 1974. viii, 170 pp., illus. Paper, \$8.20. Lecture Notes in Computer Science, vol. 18.

Perception. Essays in Honor of James J. Gibson. Robert B. MacLeod and Herbert L. Pick, Jr., Eds. Cornell University Press, Ithaca, N.Y., 1974. 318 pp., illus. \$14.50.

Planet Earth. Readings from *Scientific American*. Frank Press and Raymond Siever, Eds. Freeman, San Francisco, 1974. x, 304 pp., illus. Cloth, \$12; paper, \$6.95.

Polymer-Plastics Technology and Engineering. Vol. 3. Louis Naturman, Ed. Dekker, New York, 1974. xiv, 252 pp., illus. \$29.50.

Scanning Electron Microscopy. Oliver C. Wells with portions contributed by Alan Boyde, Eric Lifshin, and Alex Rezanowich. McGraw-Hill, New York, 1974. xviii, 422 pp., illus. \$22.95.

The Science and Politics of I.Q. Leon J. Kamin. Erlbaum, Potomac, Md., 1974 (distributor, Halsted [Wiley], New York). viii, 184 pp. \$10.95. Complex Human Behavior.

Personnel Placement

POSITIONS WANTED

Biochemist. Ph.D., neuropsychiatric diseases, human neurochemistry, psychotropic drugs, and CNS. Established basic research program, many publications. Desires position involving clinical work with scope of basic research. Box 202, SCIENCE. X

Biochemist-Chemist (physiology). M.S. Ph.D., FAIC. Broad research interest and experience; college teaching, pharmaceuticals, hospital clinical chemistry, toxicology, and cancer. Desires responsible academic, research institute, or industry, East, publications. Box 203, SCIENCE. X

Biologist, Microbiologist, D.Sc., medical sciences and public health training. Independent investigator, publications. Several years of responsible experience humoral cellular immunology, air-borne infections, drug research. Seeks senior academic, government research position, or research-teaching. Box 206, SCIENCE. X

Microbiologist/MT (ASCP), 1960. Experienced in clinical microbiology/teaching student technologists. Particularly interested in quality control in clinical microbiology; gram negative rods; mycobacterium; anaerobes. Box 204, SCIENCE. X

Molecular Immunologist-Microbiologist seeks employment. Wide experience. Research emphasis has been on the structure and function of immunoglobulins. Able researcher and teacher. Prefer near Northwest and Northeast. Box 205, SCIENCE. 5/9, 16, 23

POSITIONS OPEN

AIR POLLUTION METEOROLOGIST OR ENGINEER

The University of Maryland Meteorology Program has an opening for a Research Associate to participate in an interdisciplinary effort to characterize emissions and evaluate environmental impact of salt water natural draft cooling towers. The position involves assuming major responsibility in coordinating and implementing the meteorological support of this project. The applicant should preferably have a Ph.D. degree in Meteorology or Environmental Engineering with background in micrometeorology and air pollution. Please forward résumé with two references: **Professor G. Israel, Meteorology Program, University of Maryland, College Park, Md. 20742.**

ANATOMY/ASSISTANT DEPARTMENT DIRECTOR HARVARD UNIVERSITY MEDICAL SCHOOL

Requires Ph.D. or equivalent academic/research experience in Biology or Anatomy with sufficient teaching experience to organize the Department Teaching Aids Program and to coordinate it with that of the Medical School. In addition, the Assistant Director, in collaboration with the Chairman, will develop and administer an imaginative departmental program emphasizing communication and cooperation among faculty members, employees, students, and administrators, and will directly supervise the departmental nonteaching staff. Please submit résumé to: **Personnel Office, Harvard University Medical Area, 25 Shattuck Street, Boston, Mass. 02115. An Affirmative Action/Equal Opportunity Employer.**

AQUARIUM DIRECTOR

Applicants are sought for the position of Director, Waikiki Aquarium, Honolulu, Hawaii. The Waikiki Aquarium is supported by state funds and administered by the University of Hawaii. The Director will carry faculty affiliation in the department closest to her/his interests. Appointees are expected to institute innovative programs which will further the Aquarium use in education and recreation and establish close ties with marine research in the State. Salary level commensurate with experience and qualification up to \$25,000. Inquiries, curriculum vitae, and three letters of reference should be addressed to: **Dean John Craven, Dean of Marine Programs, University of Hawaii, Honolulu, Hawaii 96822.** Deadline for applications is 15 May 1975. *The University of Hawaii is an Equal Opportunity Employer.*