far as to set population limits on exposure to medical radiation, in part because such limits are seen as impractical and in part because it would be politically difficult to impose them. Instead, the EPA expects to work with other federal agencies and with professional organizations, such as the American College of Radiology, to encourage doctors to improve x-ray equipment and procedures. A likely first target for such improvements is the Veterans Administration, long a pacesetter in the field of radiology.

—ROBERT GILLETTE

APPPOINTMENTS

William C. McInnes, president, Fairfield University, to president, University of San Francisco. . . . Carl M. York, Jr., former assistant chancellor, University of California, Los Angeles, to vice chancellor for academic affairs, University of Denver. . . . Elwyn A. Smith, vice president for student affairs, Temple University, to vice president for academic affairs, Eckerd College. . . . Dale W. Lick, chairman, mathematics department, Drexel University, to vice president for academic affairs, Russell Sage College. . . . At the University of Louisville: John A. Dillon, Jr., dean, Graduate School, also to vice president for academic affairs and Harold E. Boyer, dean, School of Dentistry, to vice president for health affairs. . . . Bert W. O'Malley, professor of reproductive biology, Vanderbilt University School of Medicine, to chairman, anatomy department, Baylor College of Medicine. . . . Leonard B. Glick, associate professor of anthropology, University of Wisconsin, Madison, to dean, School of Social Science, Hampshire College. . . . Robert H. Koff, director of teacher education, Stanford University, to dean, College of Education, Roosevelt University. . . . Franklin C. Fitchen, chairman, electrical engineering department, South Dakota State University, to dean, College of Engineering, University of Bridgeport. . . . A. Richard Kassander, Jr., head of atmospheric sciences, University of Arizona, to vice president for research at the university. . . . Warren Winkelstein, Jr., acting dean, School of Public Health, University of California, Berkeley, elevated to dean. . . . James T. Dolisio, chairman, pharmacy department, University of Kentucky, to dean, College of Pharmacy, University of Texas, Austin. . . . Harry J. Sievers, chairman, history department, Fordham University, to dean, Graduate School of Arts and Sciences at the university. . . . John V. Byrne, chairman, oceanography department, Oregon State University, to dean, new School of Oceanography at the university. . . . Kenneth Stocking, professor of biology, Sonoma State College, to provost, new School of Environmental Studies at the college. . . . Lloyd E. Berry, assistant chancellor, University of Illinois, to dean, Graduate School, and director of research, University of Missouri. . . . Robert W. Krauss, chairman, botany department, University of Maryland, to dean, School of Science, Oregon State University. . . . James H. Reeves, executive assistant to the president, Tennessee State University, to dean, Graduate School at the university. . . . Ralph L. Carnes, associate dean, College of Arts and Sciences, Roosevelt University, elevated to dean. . . . Bernard Kutzer, professor of social science, Albert Einstein College of Medicine, Yeshiva University, to dean, Sargent College of Allied Health Professions, Boston University. . . . Robert P. Barnes, professor of history, Central Washington State College, to dean of arts and sciences, Northwest Missouri State University. . . . Charley Scott, associate dean, Graduate School, University of Alabama, elevated to dean. . . . Ray M. Iverson, professor of biology, University of Miami, to dean, College of Science, Florida Atlantic University. . . . Michael R. Ronayne, Jr., professor of chemistry, Suffolk University, to dean, College of Arts and Sciences at the university. . . . Lawrence W. Kuhl, associate dean, College of Arts and Sciences, University of Rochester, to dean, Graduate College, University of Nevada, Las Vegas. . . . Nancy E. Warner, director, pathology laboratory, Women's Hospital, University of Southern California Medical Center, to chairman, pathology department, University of Southern California School of Medicine. . . . Samuel L. Kountz, associate professor of surgery, University of California School of Medicine, San Francisco, to chairman, surgery department, Downstate Medical Center, State University of New York, Brooklyn.

Addendum: The photograph of Charles Darwin on page 725, Science, 17 November, was by courtesy of the Smithsonian Institution.

Personnel Placement

POSITIONS WANTED

Biologist returning to the United States, NIH postdoctorate and private research experience. Diverse interests. Broad training in ecology. Box 460, SCIENCE.

Cancer Research, M.D., Ph.D. Aim: experimental approaches to cancer directed toward clinical applications. Long-term cancer research, teaching and publications. Numerous publications. References. Box 409, SCIENCE. 12/1

General Manager, V.P., director, Ph.D. microbiologist: diversified experience—production quality control. R & D sales in biologicals, biologicaIs, pharmaceuticals, chemicals. Desires management, applied research, Q.C., or academic administration position. Box 449, SCIENCE.

Physicist, Ph.D., 1972. Light scatterer. Diverse experience in laser excited light scattering, fluoroescence and spectroscopy. Desires to apply background to challenging biologically or environmentally related research. Box 454, SCIENCE.

Science and Society: Lecturers-Writers-Researcher desires position teaching course in dynamics of social change resulting from scientific/technologic change, energy/resources development, analytic interdisciplinary overviews of socioeconomic-cultural implications of science and engineering; North America and world, historic to future. Both basic and advanced classes; seminars, tutorials, and so forth. Specializing in subject since 1950 research. Writing in Encyclopaedia Americana, and lecturing (United States, Canada, England), for which biography now in one Who's Who and two scientific directories. Presently researcher for college, 1956-; consultant two government (one government) and two government agency. (Attending December AAS Meeting.) Box 461, SCIENCE.

POSITIONS OPEN

AQUATIC BIOLIGY

BIOLOGY: DEVELOPMENTAL BIOLOGY

Faculty positions are available to teach courses and develop graduate and research programs in each of these subdisciplines in a Biology Department which encompasses botany, microbiology, and zoology. Independent or dependent on qualifications of candidate.

Applications must include curriculum vitae list of publications, area of research interest, and names of three references. Information should be sent to: Albert Stegel, Chairman, Department of Biology, Wayne State University, Detroit, Michigan 48201. An Equal Opportunity Employer.

BIOMEDICAL ENGINEER with Ph.D. in physiology is needed as Associate Professor for research in cardiovascular system analysis and teaching at graduate and undergraduate level. Send curriculum vitae to Abraham Noordergraaf, Department of Biomedical Engineering, College of Engineering and Applied Science, University of Pennsylvania, Philadelphia, Pa. 19104.

CHAIRMAN, BIOLOGY DEPARTMENT

Proven as teacher and scholar, Administrative experience preferred but clear evidence of administrative potential acceptable. Contact: Paul G. Jensen, Chairman, Search Committee, Colby College, Waterville, Maine 04901.

Colby is an Equal Opportunity Employer.

DIRECTOR OF GREAT LAKES RESEARCH

Due to the impending retirement of the present director, the University of Michigan invites applications or nominations for Director of the Great Lakes Research Division. The division has had a long and successful history. The new director will be responsible for planning and developing research programs in teaching and research on the Great Lakes. Applications are invited by February 1, 1973 to Professor David M. Gates, GLRD Search Committee Chairman, Natural Environment Institute, The University of Michigan, Ann Arbor, Michigan 48104.

The University of Michigan is a nondiscriminatory, affirmative action employer.
Science

Bibliographies

AAAS Science Book List for Children
(Third Edition)
Compiled by Hilary J. Deason. Price $8.95. Member price when payment is sent with order: $7.95.

AAAS Science Book List
(Third Edition)

Science Books—A Quarterly Review
Since 1965, the AAAS has published this invaluable aid to science education and library acquisition. Science Books: A Quarterly Review is the only publication devoted to the critical review of books in the sciences and mathematics at all educational levels—kindergarten through college—and for the non-specialist adult reader.
Published March, May, September and December. Price: $10 per year.

Science for Society: A Bibliography
A comprehensive and up-to-date reference work on books, journals, articles, and other literature dealing with issues of science and society. Primarily designed for use in physical science and social studies courses in high schools and colleges, this collection is useful both to scientists and laymen increasingly concerned with the subject.
By John A. Moore. 96 pages. Almost 4,000 references, many annotated. Price: $1 per copy, or 75¢ each for ten or more copies.
INFORMATION Science BIOLOGICAL Sciences

Do you combine information skills with a life science background that relates to physical or biological research? This opening invites you to a career with Schering, a major pharmaceutical and healthcare company with notable successes that cross your widest scope. You will find your specialization regarded as highly important. Your participation is encouraged and assisted.

Within our Clinical Information Group, you will handle case, technical and clinical reports for automated storage and retrieval systems, and GOM microfilm programs. You must be skilled in relevant computer programs, and B.S./MS, and at least 2-4 years of direct experience.

Please send resume including salary history to: Manager of Professional Employment.

PROGRESSIVE AND VERSATILE PHYSICIAN ASSOCIATEShips IN LABORATORY MEDICINE AND PATHOLOGY

Attractive situation for individual with firm grounding in creative academic diagnostic practice and clinical investigation. Opportunity in an institutional- and research-oriented clinical investigation, and specialized clinical practice. Considerable emphasis in immunology and immunopathology and experience in viral immunology and immunopathogenesis desired but not necessary. Position requires living close to Pacific Coast location. Position, salary, and fringe benefits depend on qualifications. Contact: Dr. Thomas S. Edgington Director of Clinical Pathology Department of Experimental Pathology Scripps Clinic & Research Foundation 476 Prospect Street La Jolla, California 92037

PHYSIOLOGICAL PSYCHOLOGIST

The Ohio State University will have a position, beginning the Fall academic year 1973-1974, for a recent Ph.D. with evidence of competence in teaching and research in physiological psychology. The appointment will be as an Assistant Professor of Psychology. The duties will include responsibilities for teaching undergraduate courses in elementary psychology, physiological psychology, and experimental psychology. The person appointed will be expected to accept, as rapidly as possible, further assignments in graduate instruction and advising of graduate students. Applicants must have strong backgrounds in behavioral neurophysiology and/or behavioral neuropharmacology. Excellent facilities are presently available for research in physiological psychology, and the department of psychology has a strong core with other small groups of neuroscientists. Candidates should submit vita and preprints or reprints of papers, and should arrange for the letter of reference. Communications should be sent to:

Dr. Thomas J. Maitoa
Professor of Neurophysiology, The Ohio State University, 282 Kinnear Research Center, 1314 Kinnear Road, Columbus, Ohio 43212.

An Equal Opportunity Employer

NEUROBIOLOGIST

Faculty position in the Biology Department at a small eastern university. Active graduate program. Duties include teaching undergraduate and graduate courses as well as research. Candidates with a strong background in physiology preferred. Appointment will be made at the Assistant or Associate Professor level depending on qualifications and experience. Send curriculum vitae and three references to:

Box 458, SCIENCE

An Equal Opportunity Employer

RECENT PH.D. IN BIOLOGY

To teach introductory course for educationally disadvantaged students; research expected in area of specialization. Minority applicants invited. Send vitae to Associate Chairman, Biology Department, University of Colorado, Boulder 80302.

To recruit recent Ph.D. for assistant professor in child-clinical to teach undergraduate and graduate courses in Testing and Child Psychology. Salary $11,000 to $12,000 for 9 months depending on experience. Send vita, papers, and three letters of reference to:

Dr. John D. Maito
Chairman, Department of Psychology, Duke University, Durham, North Carolina 27706

An Equal Opportunity Employer

TOXICOLOGIST

California State Department of Agriculture has a staff position for an individual interested in toxicology and related areas. The position requires 3 years of toxicological experience relating to health hazards and the doctoral degree in toxicology, biochemistry, pharmacology, or related area. Salary is $17,000 to $21,516 per year.

For further information please call:

(916) 445-2742

Applications must be filed by 18 December 1972.

UNIVERSITY OF BRITISH COLUMBIA DEPARTMENT OF ZOOLOGY

Applications are invited for a position at the level of Assistant Professor (possibly Associate). From Zoologists (Ph.D.) working in comparative (environmental) biochemistry and/or physiology. Applicants must begin their research here before 15 October. Duties will include teaching an undergraduate course in Biology or Zoology, and developing research and graduate programs in areas of interest. Salary is competitive and enhanced by related special duties, including graduate teaching and basic research. The University is committed to the principle of providing equal opportunities for qualified women and men. Applications should include curriculum vitae, and the names of three referees should be sent to:

Dr. Larry Stein

WYETH LABORATORIES, INC.

P.O. BOX 8299

Philadelphia, Pa. 19101

Equal Opportunity Employer M/F

RESEARCH IN IMMUNOLOGY

Postdoctoral fellowships and postdoctoral stu-
dentships are available for research in: immunoch-
emy, medicine, microchemistry and immuno-
chemistry. Facilities and opportunities are available for work in: autoimmunity, autoimmunity, and tumor immunology. Proposals for application are invited from 

Dr. A. H. Schoen, Head, Department of Immunology, Faculty of Medicine, University of Manitoba, Winnipeg, Canada, R3E OWJ.

GRADUATE STUDY IN ENVIRONMENTAL HEALTH AND ENGINEERING

Harvard University

Traineeships are available for U.S. citizens for graduate studies leading to the Master or Doctor of Science, in environmental science and engineering, environmental biotechnology, toxicology, air pollution control, industrial hygiene, and related fields. Students support includes tuition and fees plus a monthly stipend ranging from $200 to $500 (with about $40 per month additional for living expenses). Further details may be obtained by writing: David E. Mueller, Harvard University Health, 665 Huntington Ave., Boston, Mass. 02115.

FELLOWSHIP IN IMMUNOLOGY

A position will be available in 1973 for study and research in the field of immunology. The area of study can be fundamental (for example, immunoglobulins) or more bio-

logically-oriented (for example, analysis of vari-
ous changes associated with immunologic disor-
derers in human patients or animals). Interested applicants holding a degree in one of the medical sciences should write to:

Drs. J. Donald Capra and J. Michael Kehoe

Harvard Medical School

Mount Sinai School of Medicine

New York, New York 10029

GRADUATE STUDY IN IMMUNOLOGY, MICROBIOLOGY, MOLECULAR ONCOLOGY

A program leading to the Ph.D. degree involving course work and research training. Fellowship awards are provided by predoctoral assistantships, USPHS traineeships; part-time jobs; and for graduate students in U.S. citizenship and recent bachelor's degree in biology, chemistry, or related fields. Early application is advised. Contact Chairman, Graduate Admissions Committee, University of California, San Francisco, School of Medicine, Berkeley, California 94720.

POSTDOCTORAL RESEARCH ASSOCIATEShips

THE NAVAL MEDICAL RESEARCH INSTITUTE

BETHESDA, MARYLAND

In association with THE NATIONAL RESEARCH COUNCIL

Applications for postdoctoral fellowships are being accepted for the year starting 1 July 1973. The areas of research in which positions are available include basic and medical sciences are awarded are: Behavioral Sciences, Biochemistry, Biophysics, Environmental Sciences, Experimental Medicine, Immunology, Microbiology, Parasitology, Pathology and Virology. Annual salary is $15,000.

Interested applicants should submit completed applications by 15 February 1973 to:

Associate Office (JF360)
National Research Council
2101 Constitution Avenue, NW
Washington, D.C. 20418

GRADUATE STUDY IN PHARMACOLOGY

A program leading to the Ph.D. degree involving course work and research, which stresses research on fundamental mechanisms of drug action on neural, neurohumoral, membrane, and chemical systems. This is also available on an experimental basis for chemical, biochemical, behavioral, and computer technologists. Cost is fully covered for qualified U.S. citizens. Early application is advised. Applications for September 1973 positions should be sent: Chairman, Department of Medicinal Chemistry, Pharmacology, Schools of Medicine and Dentistry, State University of New York at Buffalo, 122 Capen Hall, Buffalo, N.Y. 14214.

RESEARCH PROPOSAL

It is the intention of the Carcinogenesis Area of the National Cancer Institute to advertise the availability of a research proposal entitled "The Effect of a High Meat Diet on the Bac-
terial Flora of the Colon of Rats." Under this research effort the successful pro-
poser shall develop a balanced meat-free diet and test it for carcinogenicity.

Individuals representing research organizations who are interested in submitting a request for proposal when it becomes available are invited to submit their expression of interest to: Ms. Betty Wolfe, Research Development, 830 River Road, Nutley, New Jersey 07110. (Requests must be received by 16 December 1972. (RFP No. NCI-E-73-12)

National Cancer Institute, Landau Building, Room 425D, Bethesda, Maryland 20204.