

Group-Theoretical Methods in Physics. D. V. Skobel'tsyn, Ed. Translated from the Russian edition (Moscow, 1973) by Julain B. Barbour. Consultants Bureau (Plenum), New York, 1975. viii, 258 pp. Paper, \$39.50. The Lebedev Physics Institute Series, vol. 70.

Grzimek's Animal Life Encyclopedia. Bernhard Grzimek, Ed. Vol. 11, Mammals III. Translated from the German edition (Zurich, 1968). Van Nostrand Reinhold, New York, 1975. 626 pp., illus. \$29.95.

Handbook of Flame Spectroscopy. M. L. Parsons, B. W. Smith, and G. E. Bentley. Plenum, New York, 1975. xiv, 478 pp., illus. \$37.50.

Handbook of Interstitial Brachytherapy. Basil S. Hilaris, Ed. Publishing Sciences Group, Acton, Mass., 1975. xvi, 290 pp., illus. \$18.

Handbook of Psychopharmacology. Vol. 1, Biochemical Principles and Techniques in Neuropharmacology. Leslie L. Iversen, Susan D. Iversen, and Solomon H. Snyder, Eds. Plenum, New York, 1975. xiv, 298 pp., illus. \$22.50.

Hearing, Speech, and Communication Disorders. Cumulated Citations 1974. Information Center for Hearing, Speech, and Disorders of Human Communication. IFI/Plenum, New York, 1975. xii, 790 pp. \$65.

Human Choice and Computers. Proceedings of a conference, Vienna, Apr. 1974. Enid Mumford and Harold Sackman, Eds. North-Holland, Amsterdam, and Elsevier, New York, 1975. x, 358 pp., illus. \$35.50.

Human Variation and Natural Selection. D. F. Roberts, Ed. Taylor and Francis, London, and Halsted (Wiley), New York, 1975. x, 210 pp., illus. \$14.50. Symposia of the Society for the Study of Human Biology, vol. 13. Reprinted from early volumes of the series.

Immunopathologie du Système Nerveux. Papers from a colloquium, Paris, Nov. 1974. M. Edmond Schuller, Ed. INSERM, Paris, 1975. xii, 320 pp., illus. Paper, 30 F. Actions Thématiques, Rapport No. 4. Les Colloques de l'Institut National de la Santé et de la Recherche Médicale, vol. 39.

Imperial Chemical Industries. A History. Vol. 2, The First Quarter-Century 1926-1952. W. J. Reader. Oxford University Press, New York, 1975. xviii, 570 pp. + plates. \$49.95.

Intrahepatic Cholestasis. Papers from a conference, Florence, Italy. P. Gentilini, U. Teodori, S. Gorini, and H. Popper, Eds. Raven Press, New York, 1975. xii, 188 pp., illus. \$15.95.

Microwave-Plasma Interactions. D. V. Skobel'tsyn, Ed. Translated from the Russian edition (Moscow, 1974) by Dave Parsons. Consultants Bureau (Plenum), New York, 1975. viii, 136 pp., illus. Paper, \$36. The Lebedev Physics Institute Series, vol. 73.

Natural Products Chemistry. Vol. 2. Koji Nakanishi, Toshio Goto, Shō Itō, Shinsaku Natori, and Shigeo Nozoe, Eds. Kodansha, Tokyo, and Academic Press, New York, 1975. x, 586 pp., illus. \$34.

Navigating the Future. Bruce C. Murray. Harper and Row, New York, 1975. xiv, 176 pp. \$7.95.

Negative Strand Viruses. Papers from a symposium, Cambridge, England, July 1973. B. W. J. Mahy and R. D. Barry, Eds. Academic Press, New York, 1975. Two vols., illus. Vol. 1. xx + pp. 1-554 + index. \$38.25. Vol. 2. xviii + pp. 555-928 + index. \$27.75.

Neutron Stars, Black Holes and Binary X-Ray Sources. Papers from a AAAS symposium, San Francisco, Feb. 1974. Herbert Gursky and Remo Ruffini, Eds. Reidel, Boston, 1975. xxi, 444 pp., illus. Cloth, \$54; paper, \$38.

New Uses of Ion Accelerators. James F. Zieg-

ler, Ed. Plenum, New York, 1975. xiv, 482 pp., illus. \$28.

Organic Compounds. Reactions and Methods. Vol. 23. B. A. Kazanskii, I. L. Knunyants, M. M. Shemyakin, and N. N. Mel'nikov, Eds. Translated from the Russian edition (Moscow, 1973) by Brian J. Hazzard. IFI/Plenum, New York, 1975. viii, 492 pp., illus. \$57.50.

Perspectives in Biometrics. Vol. 1. Robert M. Elashoff, Ed. Academic Press, New York, 1975. xii, 200 pp., illus. \$21.

Physiological and Pharmacological Biochemistry. H. K. F. Blaschko, Ed. Butterworths, London, and University Park Press, Baltimore, 1975. xii, 276 pp., illus. \$19.50. MTP International Review of Science. Biochemistry, Series One, vol. 12.

Power Semiconductor Circuits. S. B. Dewan and A. Straughen. Wiley-Interscience, New York, 1975. xviii, 524 pp., illus. \$26.50.

Principles of Research Methodology in Physiological Psychology. William G. Webster. Harper and Row, New York, 1975. viii, 296 pp., illus. Paper, \$8.95. Harper's Physiological Psychology Series.

Proceedings of the International Workshop on Hormones and Proteins. San Francisco, Aug. 1973. T. A. Bewley, L. Ma, and J. Ramachandran, Eds. Chinese University of Hong Kong, Hong Kong, and University of California Hormone Research Laboratory, San Francisco, 1975. xviii, 162 pp., illus. \$10.

This Hungry World. Ray Vicker. Scribner, New York, 1975. xii, 270 pp. \$9.95.

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Biologist, successful former department head at large university, seeks return to administration; prefers New England or West. Box 465, SCIENCE. X

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Entomologist/Ecologist, Ph.D. Seeks research/teaching university position. Experience in pest management, teaching zoology, entomology, water pollution environmental sciences. Several publications. Box 4, SCIENCE. X

Entomologist, Ph.D. Forest insect ecology, population dynamics. Two years postdoctoral experience in biological control. Publications. Seeking research/teaching. Box 5, SCIENCE. X

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Limnologist/Fisheries Biologist, Ph.D. Research experience in marine biology and freshwater ecology (fish and planktons), environmental impact studies, and aquaculture. Research interests: ecological bioenergetics and trophic ecology of fish and invertebrate, aquaculture, environmental biology. Desires teaching (limnology or aquatic ecology fields), research or industrial position. Box 7, SCIENCE. X

Mammalian Cytogeneticist, Ph.D. (January 1976). Experience: karyology, banding, chromosome aberration analysis, clonal culture; graduate school teaching. Seeks postdoctorate or research position. Available immediately. Box 8, SCIENCE. 1/9, 16

Pharmacist/Pharmacologist, Ph.D.: 20 years experience in directing drug research in animals and humans, long record of high achievement publications and patents. Seeks research and/or teaching position. Box 9, SCIENCE. X

Political—Social Ecologist, ABD. Seeks postdoctoral research/teaching experience in interdisciplinary ecology or energetics, for fall 1976. Box 10, SCIENCE. X

POSITIONS OPEN

WANTED—TWO ASSISTANTS whose training has been in microbiology and/or immunology. A B.S. or M.S. degree is desired. Work will consist of helping in and developing studies on radioactive tracers, viral and bacterial cultivation, purification and concentration of biologicals, and animal responses to various biologicals. This is primarily R & D work in a medical research foundation in Florida. If interested, indicate salary wanted. Box 503, SCIENCE.

ASSISTANT-ASSOCIATE PROFESSOR

Multiple positions available at a large northeastern urban university in the areas of insect physiology, fish ecology (freshwater), cellular (or comparative animal physiology) and cytochemistry. Responsibilities will include undergraduate teaching in such basic courses as biological concepts, zoology, histology, comparative anatomy, embryology or physiology. In addition the candidates will be expected to continue their own research in one of the above areas and aid in the continual development of the graduate program (including courses specific to their discipline). Send résumés to

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ASSISTANT/ASSOCIATE PROFESSOR: The Department of Materials Science and Engineering, Stanford University, seeks a Ph.D. with excellent teaching ability in areas related to materials characterization, including optical and electron microscopy, and x-ray diffraction, and with innovative research interests involving development and/or utilization of modern instrumental techniques for materials analysis or characterization. Send résumé to **Professor Robert A. Huggins**, Department of Materials Science and Engineering, Stanford University, Stanford, California 94305 before 15 March 1976. *Stanford University is an Affirmative Action Employer and welcomes applications from women and minority group members.*

An **ASSISTANT PROFESSORSHIP IN BIOCHEMISTRY AND BIOPHYSICS** is available at Iowa State University in the general field of molecular biology. Applications should have a strong background in chemistry and modern biology, postdoctoral experience, the ability to establish an independent, creative research program, and an interest in and talent for teaching at both the undergraduate and graduate level. Applications received after 15 February 1976 are not assured of consideration. Send a résumé plus transcripts, and arrange to have three letters of reference sent to **Dr. Jack Horowitz**, Department of Biochemistry and Biophysics, Iowa State University, Ames, Iowa 50011.

Iowa State University is an Affirmative Action Employer.

POSITIONS OPEN

POSITION IN BIOLOGICAL OCEANOGRAPHY DALHOUSIE UNIVERSITY

The Institute of Oceanography expects to have a vacancy in biological oceanography and invites applications at the **assistant or associate professor** level with interests in physical and biological aspects of marine production or in marine microbiology and decomposition process. To insure consideration, applications should be received by 28 February 1976.

The Institute is a graduate department offering programs leading to the M.Sc. and Ph.D. in biological, physical, chemical, and geological oceanography. Research and teaching programs benefit from active cooperation with other laboratories in the area, including the Bedford Institute of Oceanography, Nova Scotia Research Foundation, and National Research Council Laboratory. Ship support is provided by the Bedford Institute and special oceanographic laboratory is available in the Dalhousie Aquatron.

Candidates should submit a complete curriculum vitae, with information on research grants held, and a statement of present and proposed research interests. Supporting confidential letters of reference should be addressed to the **Director, Institute of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada, B3H 3J5, Telex: 019-22512.**

ASSISTANT PROFESSORSHIP in food microbiology. Available 1 July 1976. Responsibilities include teaching and research. Applicants should have postdoctoral experience and publications. Commitment to research should be strong and in a basic area such as toxin production, pathogenesis or physiology of food pathogens, and so forth. Closing date: 1 March 1976. Please send curriculum vitae and names of four references to:

L. N. Zimmerman, Head
Department of Microbiology and Cell Biology
The Pennsylvania State University
S101 Frear Building
University Park, Pa. 16802

The Pennsylvania State University is an Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF HUMAN GENETICS YALE UNIVERSITY

Faculty opening at **assistant professor** level in the field of molecular genetics and virology. Appointment to become effective on 1 July 1976. Candidates will be judged on potential for conducting outstanding research and on teaching ability. Applicants should send, as soon as possible, curriculum vitae, list of publications, and three references to: **E. A. Adelberg, Department of Human Genetics, 333 Cedar Street, New Haven, Conn. 06510.** *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR IN PHYSIOLOGICAL PSYCHOLOGY. Duties include research, undergraduate teaching, and supervision of graduate students. Preference will be given to candidates whose research is in the field of sensory systems. Available facilities include bioelectrical recording equipment, surgery, histology and animal quarters. Salary floor \$14,500 per annum, beginning 1 July 1976. Send inquiries to **Dr. C. H. Vanderwolf, Department of Psychology, University of Western Ontario, London, Ontario, Canada, N6A 5C2.**

BIOLOGISTS

ANIMAL PHYSIOLOGIST, assistant professor. Preference given to applicants with specialty in invertebrate physiology or in endocrinology. Responsibilities will include participation in introductory human anatomy and physiology course for nursing majors and in animal physiology courses for biology majors. Broad training in animal physiology required.

GENETICIST, assistant professor. Preference given to applicants with specialty in molecular genetics. Responsibilities will include participation in introductory genetics course with laboratories. Broad training in genetics required.

Both positions require Ph.D. by date of initial appointment, 1 September 1976. Applicants should send curriculum vitae and names of three references before 31 January 1976 to **Dr. Stephan R. Taub, Chairman, Department of Biology, George Mason University, Fairfax, Virginia 22030.** George Mason University is the state university in northern Virginia and is located near the Washington, D.C., metropolitan area. *George Mason University is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS IN MICROBIOLOGY, NEUROPHYSIOLOGY AND PHARMACOLOGY

Applications are invited for three positions available 1 September 1976 in the Department of Zoology and Microbiology at the assistant professor level. We are seeking candidates in the areas of medical microbiology, neurophysiology, and pharmacology. Applicants must have the Ph.D. degree, have experience and provide evidence of strong ability to teach and to develop and maintain a rigorous program of independent research. The salary is highly competitive and the location is in a pleasant, rural setting. Responsibilities include instruction of undergraduate and graduate students in the department and in the medical school program. Primary emphasis will be in the subject area of medical microbiology, neurophysiology, and pharmacology. Applicants should submit a complete set of curriculum vitae, transcripts, a résumé of teaching and research interests, and the names of three referees by 30 January 1976 to **Dr. Ronald J. Downey, Chairman, Department of Zoology and Microbiology, Ohio University, Athens, Ohio 45701.** *An Equal Opportunity and Affirmative Action Employer.*

ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF WISCONSIN

University of Wisconsin—Center for Health Sciences—Medical School—Department of Physiology are accepting applications for a faculty position at the assistant professor level. Candidates with a demonstrated interest in the physiology of excitable cells with emphasis on smooth muscle or motor aspects of neurophysiology are desired; however, qualified candidates in other areas will be considered. Duties include participation in teaching physiology to undergraduate and medical students. Send curriculum vitae, reprints, and the names of three references to: **Chairman, Department of Physiology, University of Wisconsin Medical School, 470 North Charter Street, Madison, Wisconsin 53706.**

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ASSISTANT PROFESSOR OF PHYSIOLOGY

The Department of Physiology is seeking a neurobiologist, preferably one whose work relates to function of the vertebrate central nervous system. The position involves medical and graduate student teaching, and makes available considerable time for research.

Please send curriculum vitae, bibliography, and names and addresses of three references to:

**Chairman
Neurobiologist Search Committee
Department of Physiology
Yale University School of Medicine
333 Cedar Street, B-121 SHM
New Haven, Conn. 06510**

Applications from women and members of minority groups are encouraged. An Equal Opportunity/Affirmative Action Employer.

Applications should be received before 15 February 1976.

FACULTY POSITION

The Department of Physiology has a faculty position available for which applications are invited. Preference will be given to candidates holding an M.D. or Ph.D. degree with experience and interest in membrane transport processes. Faculty rank (assistant, associate or full professor) is negotiable depending upon qualifications. Field of interest can include theoretical, artificial model, cellular or epithelial membrane transport systems.

Opportunities are available for both collaborative and independent research and for graduate and medical student teaching.

Please send complete curriculum vitae including publications and the names and addresses of three references to:

**Chairman, Membrane Transport Search Committee
Department of Physiology
Yale University School of Medicine
333 Cedar Street, SHM B-106
New Haven, Conn. 06510**

Applications from women and members of minority groups are encouraged. An Equal Opportunity/Affirmative Action Employer.

Applications should be received before 15 February 1976.

9 JANUARY 1976

POSITIONS OPEN

ASSISTANT PROFESSOR—IMMUNOLOGY

Applications are invited for a position as assistant professor beginning on or after 1 July 1976. Candidates must possess a Ph.D. or M.D. degree, have at least 2 years of postdoctoral experience in immunology and present evidence of scholarly achievement. The successful candidate will be expected to establish an independent research program, preferably in molecular aspects of the immune response, and participate in our teaching program. Send curriculum vitae, recent reprints, and two letters of reference to **Dr. G. P. Manire, Chairman, Department of Bacteriology and Immunology, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.**

The University of North Carolina is an Equal Opportunity/Affirmative Action Employer. Applications from women and minority candidates are welcome.

ASSISTANT PROFESSOR PATHOLOGY

Microbiological, hematological or cytological interests. Research capability, interest in pulmonary disease desirable. Board certified or eligible AP and CP. Starting 1 July 1976. Send résumé to **Box 24R, Waterman Building, University of Vermont, Burlington, Vermont 05401.**

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The University of California, Irvine, California College of Medicine, Department of Physiology, is recruiting for an **ASSISTANT PROFESSOR.**

Candidates should have demonstrated ability to conduct independent research in neurophysiology. Duties of job include the teaching of neurophysiology to medical students. *Applications from qualified candidates are welcome; minorities and women are encouraged to apply.* Send names of four references and curriculum vitae to: **Dr. Peter F. Hall, Professor and Chair, Department of Physiology, University of California, Irvine, California 92717, by 15 February 1976.**

ASSISTANT PROFESSOR SECTION OF THERAPEUTIC RADIOLOGY UNIVERSITY OF CALIFORNIA, IRVINE ORANGE COUNTY MEDICAL CENTER

Applications are invited for a post at the assistant professor level in the Section of Therapeutic Radiology at the University of California, College of Medicine, Irvine. This will be a full-time position with responsibilities for teaching at undergraduate and graduate levels and for clinical research and service in the Orange County Medical Center.

The applicant should be a Board-certified radiologist preferably with a minimum of 3 years' experience in therapeutic radiology in a university medical school, and preferably be prepared to engage in ongoing research and to develop new research protocols.

Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.

Applications, including a short biography, and copies of any publications should be sent to: **H. Vermund, M.D., Professor of Radiology, Orange County Medical Center, Section of Therapeutic Radiology, 101 City Drive South, Orange, California 92668.**

Closing Date: 15 February 1976.

UNIVERSITY OF CALIFORNIA, SANTA BARBARA DEPARTMENT OF BIOLOGICAL SCIENCES SECTION OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

Faculty position. Effective 1 July 1976. Applications are sought from **BIOCHEMISTS** oriented toward physical chemical concepts and methods. Soundness and importance of research will be weighted more heavily than the precise nature of research specialization although it may be expected that preference will be given to applicants whose interests lie in areas such as macromolecular assembly, chromosome structure, and membrane biochemistry. Teaching is required at the undergraduate level in general biochemistry-molecular biology and at the graduate level in an area of the appointee's specialized competence. Salary and rank depend on qualifications and experience.

Applications with curriculum vitae, list of publications, names of references, summary of research interests should be sent to: **Chairman, Department of Biological Sciences, University of California, Santa Barbara, California 93106.** Applications must be received before 1 March 1976. Letters of reference should not be sent until requested. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

BIOMEDICAL ENGINEERING—FACULTY POSITION. Assistant professor, Department of Electrical Engineering, September 1976. Minimum requirements are Ph.D. in biomedical engineering or electrical engineering with emphasis in biomedical engineering, research experience on the cardiovascular system, and education and experience in physiology, control systems, and computer systems. Demonstrated ability to collaborate with physicians in clinical research. The position is a two-year appointment but may be converted to a permanent position. Submit résumé and references by 20 January to: **Coordinator, Biomedical Engineering Program, Department of Electrical Engineering, University of Rhode Island, Kingston, Rhode Island 02881.** *An Equal Opportunity/Affirmative Action Employer.*

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**Robert I. Henkin
Director, CMNSD
Georgetown University Medical Center
Washington, D.C. 20007**
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**Department of Pharmacy and
Pharmacy Administration**

The College of Pharmacy and Allied Health Professions, Northeastern University, is currently seeking a chairperson for the Department of Pharmacy and Pharmacy Administration. Applications are invited from persons with demonstrated academic and research experience preferably in pharmaceuticals. Candidates should be capable of providing academic leadership and developing innovative research programs. The appointment begins September 1976. Applications should be submitted by 1 March 1976.

Interested individuals should send curriculum vitae, references, and research interests to:

**Leon Shargel, Ph.D.
Chairman, Search Committee
College of Pharmacy and Allied Health Professions
Northeastern University
Boston, Massachusetts 02115
Telephone: 617-437-3226 or 3216**

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For further information and consideration, please direct a résumé of your qualifications to: **Manager Research Personnel, Schering-Plough Corporation, 60 Orange Street, Bloomfield, New Jersey 07003**

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The Department of Biochemistry in the School of Basic Sciences at the Medical College of Virginia branch of the Virginia Commonwealth University invites applications for the position of Chairman. The department has 15 faculty, 18 graduate students, and a teaching commitment to professional and graduate programs. Candidates should have an outstanding record of scientific accomplishment, substantial experience at pre- and postdoctoral training, and experience or interest in teaching professional students. Interested applicants should send a curriculum vitae and list of publications to: **F. N. Briggs, Chairman, Department of Physiology, Medical College of Virginia, Virginia Commonwealth University, Box 608, Richmond, Va. 23298.**

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CURATOR OF BIRDS

Lincoln Park Zoological Gardens, Chicago, Illinois. To be responsible for the bird collection. Send curriculum vitae to **Dr. Lester E. Fisher, Lincoln Park Zoo, 100 West Webster Avenue, Chicago, Illinois 60614.**

DEAN SCHOOL OF SCIENCE AND MATHEMATICS

Applications are invited for the position of Dean of the School of Science and Mathematics, California Polytechnic State University, San Luis Obispo, California. Applicants must have a Ph.D. in an academic discipline appropriate to the School of Science and Mathematics. They should submit, in addition to a current résumé and list of five professional references, evidence of the following: successful teaching in higher education, ability to provide leadership for faculty and students, ability to give leadership in development of successful academic programs, competence in research, and participation in professional activities.

Applications and/or inquiries should be addressed to:

**Dr. Hazel J. Jones
Vice President for Academic Affairs
California Polytechnic State University
San Luis Obispo, California 93407**

Applications must be received no later than 1 March 1976. *This University is an Equal Opportunity Employer.*

DEAN, SCHOOL OF NURSING

The University of California, San Francisco, a major health sciences campus with a large teaching hospital, seeks candidates for the position of Dean, School of Nursing. This position is responsible for the overall direction and administration of the School, which has one of the largest graduate nursing programs in the U.S., including a doctoral program.

Successful applicant will possess a doctoral degree, be eligible for licensure in California, and have successful administrative experience in a complex university setting. Teaching, research, and public service commensurate with an appointment at the professorial level also required.

Please submit résumé to **Harold A. Harper, Chairperson, Search Committee, Graduate Division, University of California, San Francisco 94143.** *An Affirmative Action Employer, M/F.*

POSITIONS OPEN

DEVELOPMENTAL BIOLOGIST—Assistant professor to teach embryology and either general physiology or comparative anatomy to undergraduates. Applicant should have strong background in molecular biology and be able to establish an active research program in developmental biology, in addition to teaching graduate level courses in field. Postdoctoral experience preferred. Available: September 1976. Salary: approximately \$12,000 for 9 months. Send curriculum vitae and three letters of recommendation to: **Dr. J. H. Roberts, Department of Biology, Catholic University, Washington, D.C. 20064.** *An Equal Opportunity/Affirmative Action Employer.*

DEVELOPMENTAL BIOLOGIST NORTHWESTERN UNIVERSITY

Full-time faculty position (assistant professor) available for 1 September 1976 in the Department of Biological Sciences. Research interests in the control of gene transcription or translation, preferably emphasizing embryonic systems. Applicants should be trained in both developmental biology and molecular biology. Postdoctoral experience is required.

Send curriculum vitae and names of three referees to: **Neena Schwartz, Department of Biological Sciences, Northwestern University, Evanston, Illinois 60201.**

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Please send résumé including salary requirements to:

Box 515, SCIENCE

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Yale University is seeking a director for its Peabody Museum of Natural History. The purposes of the museum are to foster research and teaching through its collections and facilities; to encourage scholarship through its several publications; and to provide a contemporary view of natural history through its public programs and exhibits. The 16 curators of the museum are faculty drawn from the Departments of Anthropology, Biology, History of Science and Medicine, and Geology and Geophysics, and the director ordinarily holds a professorship in one of these units.

The director should be a distinguished scholar with broad scientific interest, able to work creatively with a diverse faculty. Send résumé to **Executive Secretary, Department of Biology, 732 KBT, Yale University, New Haven, Conn. 06520.**

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FACULTY POSITION at the level of assistant professor of biology at a growing undergraduate institution. Position requires Ph.D. with background appropriate for teaching marine ecology, introductory oceanography, quantitative biology, and general biology in a two-semester cycle. Opportunity for research. Reply with current curriculum vitae and three letters of recommendation by 15 February 1976 to: **Chairperson, Biology, Hilo College, University of Hawaii at Hilo, Box 1357, Hilo, Hawaii 96720.** *An Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to reply.*

POSITIONS OPEN

STANFORD UNIVERSITY DIRECTOR, HOPKINS MARINE STATION

A search initially advertised in *Science* during 1973 has been reactivated. Candidates should be outstanding biological scientists with nationally recognized excellence in scholarship involving marine organisms, a commitment toward quality teaching at undergraduate and graduate levels, a keen desire to remain active in research, and a capacity to recruit and to lead an expanded faculty at HMS. We are anxious to receive applications from women and members of minority groups. Persons who applied earlier and desire to have their files updated may send additional materials. Director will also be appointed professor of biology in the Department of Biological Sciences.

Deadline for application is 15 February 1976. Send curriculum vitae, reprints of major publications, and list of references to:

**Dr. Donald Kennedy
Department of Biological Sciences
Stanford University
Stanford, Calif. 94305**

The Harvard Medical School's Department of Medicine at the Peter Bent Brigham Hospital is searching for a **DIRECTOR** of its Laboratory of Renal and Electrolyte Physiology. The director should have M.D. degree, training in internal medicine and clinical nephrology, and should be eligible for a full professorship. The Search Committee is seeking an individual who has outstanding creativity and productivity as a scientist, an established reputation as a scholar, a proven record in the training of both postdoctoral and undergraduate medical students in renal physiology and pathophysiology and who is also an able clinical nephrologist. Those interested should send a curriculum vitae and bibliography to: **Dr. Ramzi S. Cotran, M.D., Mallory Professor of Pathology, Harvard Medical School, Chairman, Search Committee, 721 Huntington Avenue, Boston, Mass. 02115.** *Harvard University and the Peter Bent Brigham Hospital are Equal Opportunity/Affirmative Action Employers and encourage applications from members of minority groups and women.*

DIRECTOR OF CLINICAL LABORATORIES—Clinical chemist with Ph.D., broad medical school or university-based experience in clinical chemistry (particularly with micro techniques and other special procedures peculiar to the needs of infants and children), and with extensive experience in laboratory management. Certifiable by Pennsylvania to be in charge of all clinical laboratories in a 150-bed university children's hospital. Teaching responsibility appropriate to appointment to full-time university faculty in pediatrics and biochemistry or pathology. Primarily responsible for management of all other clinical laboratories. *Equal Opportunity Employer. Subject to Affirmative Action review.* Résumés only to **Dr. Victor H. Auerbach, St. Christopher's Hospital for Children, 2600 North Lawrence Street, Philadelphia, Pa. 19133.**

ECOSYSTEMS ANALYST

The Institute for Environmental Studies, University of Wisconsin-Madison, has a position for an ecosystems analyst. This teaching-research faculty position is at the assistant professor level with a first emphasis in undergraduate teaching. The person must be mathematically or computer oriented with a formal background in environmental science. Orientation must be to complete systems involving man and to integrate information from physical, biological, social, and humanities areas.

Send curriculum vitae, list of references, and teaching and research interests by 15 February 1976 to:

**Professor Grant Cottam
Institute for Environmental Studies
70 Science Hall
550 North Park Street
University of Wisconsin-Madison
Madison, Wisconsin 53706
*An Equal Opportunity Employer***

FACULTY POSITION IN LABORATORY PRACTICE. Available summer 1976, doctoral degree required, preferably in a laboratory discipline. Experience in public health laboratory methods or administration preferred. Rank and salary dependent upon qualifications. Send curriculum vitae to **John E. Larsh, Jr., Department of Parasitology and Laboratory Practice, School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.** *The University of North Carolina is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ENDOCRINOLOGIST

Assistant professorship available August 1976. Applicants must have Ph.D., degree requirements completed. Postgraduate teaching and (or) research experience highly desirable. Responsibility for an autotutorian freshman course in human biology for health science students. Expected to conduct productive research in endocrine mechanisms involved in development. Position has been requested and approval is expected. Send curriculum vitae, reprints, and three letters of recommendation, before 1 February 1976, to:

Dr. G. T. Cowley
Associate Professor of Biology
University of South Carolina
Columbia, S.C. 29208

An Equal Opportunity/Affirmative Action Employer

EXECUTIVE DIRECTOR

The National Academy of Sciences/National Research Council is seeking a senior scientist/engineer with a Ph.D. degree, or equivalent, plus 15 years of applicable experience to be the Executive Director of its Commission on Sociotechnical Systems. This Commission is responsible within the National Research Council for studies and recommendations in such areas as transportation, housing, building, urban development and design, materials, natural disasters, and so forth. Candidates should preferably have extensive experience in research and administration in an academic or industrial setting.

Applications for this position should be received by 15 February 1976. Applicants should send résumé to **Dr. Robert W. Johnston, Associate Executive Officer, National Academy of Sciences, 2101 Constitution Avenue, NW, Washington, D.C. 20418.**

An Equal Employment Opportunity/Affirmative Action Employer

The Division of Biological Sciences, Indiana University, is planning to appoint a **FACULTY MEMBER IN MOLECULAR BIOLOGY**, familiar with techniques such as plasmid biology, heteroduplex mapping, molecular cloning, or in vitro recombination. The appointment will be at the rank of **assistant professor**. The appointee will be expected to participate in undergraduate and graduate teaching as well as to develop a strong independent research program. Applicants should send a résumé and have two letters of recommendation sent directly to **Dr. C. H. W. Hirs, Division of Biological Sciences, Indiana University, Bloomington, Indiana 47401. Indiana University is an Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION IN THE DEPARTMENT OF ASTRONOMY HARVARD UNIVERSITY

The Department of Astronomy invites applications for the position of assistant professor to begin in the summer or fall 1976. The initial term may be 3 years or 5 years.

Letters of application should be accompanied by a résumé of experience in teaching and research, a statement of research interests, and a bibliography. The applicant should request three astronomers or physicists to write directly to **Professor A. Dalgarno, Chairman**, giving their evaluation of the applicant's abilities. Applicants are expected to have received their Ph.D. at least 1 year before taking up this post.

Harvard University is an Equal Opportunity Employer with an Affirmative Action Program, and it encourages applications from women and members of minority groups.

Send applications to the **Department of Astronomy, Harvard University, 60 Garden Street, Cambridge, Mass.,** for receipt by 1 March 1976.

GROSS ANATOMIST

Applications are invited for a position as assistant professor. Candidate should hold a Ph.D. degree, have a strong background in a field of cell biology and an active research interest in ultrastructure. Salary commensurate with experience. Duties involve taking charge of a three-quarter course in gross human anatomy with cadaver dissection. Course is given to health-related and arts and sciences majors and is of high professional quality. Send résumés to:

Dr. L. A. Cuervo, Chairman
Department of Biological Sciences
Florida International University
Miami, Florida 33199

POSITIONS OPEN

THREE FACULTY POSITIONS IN GEOPHYSICS.

Oregon State University will receive applications for three positions in geophysics until 15 March 1976: **assistant professor—paleomagnetism and/or marine magnetism; assistant professor—seismology and/or acoustics; associate professor—specialty in solid earth geophysics.** Applicants should have Ph.D. in geophysics or related field (for example, physics, math, earth science) and demonstrated ability to conduct productive research program. Send applications with résumés and names of references to **Dr. John V. Byrne, Dean, School of Oceanography, Oregon State University, Corvallis, Ore. 97331. Oregon State University is an Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION QUANTITATIVE AND PERCEPTION

The University of Maryland, College Park, seeks applicants for a position at the beginning assistant professor level who has a strong commitment to the use of quantitative theory in psychological research. Applicants with expertise in areas such as form and space perception and organization, motion, auditory pattern perception, and speech will be considered. Criteria for selection include outstanding achievement or promise in teaching and research.

An application will consist of a curriculum vitae, preprints or reprints of papers, and three letters of recommendations. Submit applications to **C. J. Bartlett, Department of Psychology, University of Maryland, College Park, Maryland 20742, by 31 January 1976. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

IMMUNOCHEMIST/MICROBIOLOGIST

Bio-Dynamics/bmc Diagnostic Division is seeking a Research and Development Scientist with strong record of accomplishment. Desire a highly motivated self-starter to head up a new R & D group. Candidate should have a Ph.D. with capabilities, knowledge and experience in immunochemistry, microbiology, and instrumentation.


Send confidential résumé to **Personnel Manager, Bio-Dynamics/bmc, 9115 Hague Road, Indianapolis, Indiana 46250.**

An Equal Opportunity Employer

OCCUPATIONAL RESEARCH

The National Institute for Occupational Safety and Health has a vacancy in the Cincinnati laboratory for a person trained in biomechanical engineering, ergonomics, or a related discipline to participate in research on safety in materials handling and in machine operation. This involves planning such research and conducting laboratory and field studies to develop methods for job analyses. This is a career position in the Federal Civil Service, starting salary \$16,255. Liberal fringe benefits apply. Candidates must have professional experience and/or advanced education directly related to these duties. Please describe pertinent research publications and assignments. Send applications to **Mr. Jon Ruse, NIOSH Personnel Office, Federal Office Building, Room 9510, 550 Main Street, Cincinnati, Ohio 45202.**

An Equal Opportunity Employer



PhD ENZYMOLOGIST

Responsible for development of enzymatic tests and procedures applicable to diagnostic laboratories. The successful applicant may have a solid background in enzyme kinetics, enzyme purification and method development.

We offer excellent opportunity for future growth and advancement. Salary is commensurate with education, experience and ability.

Please send detailed résumé and salary history in confidence to: **W. G. Davidson, Personnel Relations.**

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Indianapolis, Ind. 46268

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STAFF TOXICOLOGISTS

Large diversified midwest chemical manufacturer is seeking staff toxicologists to plan studies, review and evaluate toxicity reports and to prepare summaries of toxicity data. Responsibilities will also include interface between company operating groups and regulatory groups. Qualifications should include a Ph.D. in toxicology or a related field; individuals with prior industrial or academic experience and recent graduates will be considered.

If you have these qualifications and are interested in moving ahead in your career, please send your résumé in confidence to

Box 13, SCIENCE

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For the past few years, there have been serious shortfalls in world food production and distribution. This, along with soaring agricultural prices, has posed some vital questions which demand answers.

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Edited and with a foreword by Philip H. Abelson, *FOOD: Politics, Economics, Nutrition and Research* is provocative reading for everyone concerned with today's and tomorrow's—food supply.

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ASSOCIATE DIRECTOR FOR INTRAMURAL RESEARCH

The National Institute of Allergy and Infectious Diseases is seeking a new Associate Director for its Laboratories and Clinics Program. The incumbent will have overall responsibility for the operation of intramural laboratories for research in infectious diseases, allergy and immunology, for Clinical Research, and for the Rocky Mountain Laboratory. While duties are primarily scientific administration, some opportunity for personal research exists. A physician is sought but exceptionally qualified nonphysicians will be considered. Salary open depending on qualifications and eligibility for Civil Service appointment or a commission in U. S. Public Health Service.

Inquiries or applications should be addressed to:

Director
National Institute of Allergy
and Infectious Diseases
Room 7A52—Building 31

National Institutes
of Health

Public Health Service
Bethesda, Maryland 20014
An Equal Opportunity Employer

THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY

TSETSE ACOUSTIC COMMUNICATION RESEARCH APPOINTMENT (REF. SCI/75/6)

The ICIPE Research Centre intends to appoint a gifted young African scientist or technologist as an experimental officer (trainee) for a research programme on acoustic component of insect communication. The successful candidate will continue a new research programme in insect acoustic biology and later investigate the acoustic biology of termites, moths, and mosquitoes. The work includes recording and analysis of sounds, electrophysiological recordings, and behavioural studies of the insects' responses to sound.

The basic facilities for this research programme have been assembled in Nairobi and other relevant equipment will be added as needs arise. The successful candidate will, however, proceed to Sweden for a year's training in electrophysiological and associated approaches after an initial familiarization period of 3 months at the ICIPE Research Centre.

It is expected that candidates will be at the equivalent level of an M.Sc. or Ph.D. in entomology (zoology) or B.Sc. or M.Sc. (if engineers or physicists) with excellent university background and a high potential for research.

Salary: This will be on Scale Q, namely, KShs. 32,700/- by Shs. 1560/- to KShs. 48,300/- per annum, entry point depending on qualifications and experience. Candidates of postdoctoral level will be on Scale KShs. 46,800/- by Shs. 1860/- to KShs. 61,680/-.

General information: Other benefits include 10 percent gratuity of basic salary earned, a housing allowance, group medical insurance, and a small transport allowance.

Applications, in six copies, should give the following information: general education, professional qualifications, experience, marital status, age, present salary and terms of service, and names and addresses of four referees (including a personal reference). Photostat copies of relevant transcripts, thesis abstracts or copies of the most important publications, and certificates should be enclosed. Applications should be addressed to:

The Administrative Manager
ICIPE Research Centre
P.O. Box 30772
Nairobi, Kenya

to reach him before 15 January 1976.

INDUSTRIAL HYGIENIST

MOBAY CHEMICAL CORPORATION is a leader in the field of Urethane Chemistry and one of the nation's fastest growing diversified Chemical manufacturers.

Our growth has created an immediate opening at the corporate staff level for an Industrial Hygienist. This position would have broad scope responsibilities which include: RECOMMENDING STANDARDS AND POLICIES CONCERNING HEALTH AND SAFETY, DEVELOPING MEDICAL PROGRAMS ASSOCIATED WITH PRODUCT TOXICITY (PARTICULARLY ISOCYANATES), THE COORDINATION OF TOXICOLOGICAL STUDIES AND CORRELATION OF PRODUCT HEALTH DATA.

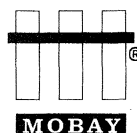
There is also considerable liaison and consultation with government agencies, customers and plant personnel.

Candidates should have an undergraduate degree in Chemistry, Engineering or a related field and a graduate degree in Industrial Hygiene. A minimum of 2-3 years Industrial experience as a Hygienist is necessary. It is essential that the applicant be certified and a background in supervision is preferred.

The vacancy is located at our corporate headquarters in Pittsburgh, Pennsylvania.

Compensation is fully commensurate to the level of responsibility assigned to the position and an attractive benefit package is available, including relocation assistance.

SEND RESUME INCLUDING PRESENT SALARY AND REQUIREMENTS TO: KENNETH E. COLES.



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LINCOLN UNIVERSITY COLLEGE OF AGRICULTURE New Zealand LECTURER/SENIOR LECTURER IN ANIMAL NUTRITION

The Council of Lincoln College invites applications for the position of Lecturer/Senior Lecturer in Animal Nutrition. Applicants should hold a degree in Science or Agricultural Science at the Masterate or Ph.D. level.

Duties will include lecturing in Animal Nutrition in the 3rd and 4th (final) years of the B.Agr.Sci. degree and to supervise postgraduate students in Animal Nutrition. The appointee will be expected to develop a research programme in Applied Ruminant Nutrition, preferably with sheep or beef cattle.

The successful applicant will be appointed as Lecturer or Senior Lecturer, according to qualifications and experience. Present academic salary scales are: Lecturer NZ\$7,861-\$9,912; Senior Lecturer NZ\$10,081-\$12,817. New Zealand Superannuation available.

Removal expenses and fares of the successful applicant will be reimbursed up to specified limits.

Conditions of Appointment giving further details of this position at Lincoln College can be obtained from the Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF, or from the Registrar of the University.

Applications close on **16 February 1976.**

POSITIONS OPEN

UNIVERSITY OF WINDSOR WINDSOR, ONTARIO, CANADA

Evolutionary Biologist: Rank open. Qualifications: established research reputation in evolutionary processes in populations and communities, ecological genetics, or behavioral ecology. Duties involve graduate and undergraduate teaching (including comparative vertebrate zoology) and research. Salary negotiable depending upon qualifications.

Postdoctoral Fellow or Research Associate: microbiologist or biochemist with interest in polysaccharide chemistry, ultrastructure, or cell regulation mechanisms for research on prokaryotic developmental systems (Myxobacteria and blue-greens). Salary \$8500 and possible teaching supplement.

Send curriculum vitae, reprints, and names of three references to: **Dr. H. D. McCurdy, Biology Department, University of Windsor, Windsor, Ontario, Canada, N9B 3P4.**

HEAD DEPARTMENT OF PHYSIOLOGICAL SCIENCES

Applications are invited for the above position at the College of Veterinary Medicine, Oklahoma State University. The department offers a B.S. degree in physiology, M.S. and Ph.D. degrees in physiological sciences, and provides courses in anatomy, physiology, pharmacology, and toxicology for the veterinary curriculum. It presently includes 16 faculty having a variety of research, teaching, and service interests.

The D.V.M. and Ph.D. degrees are highly desirable; however, applicants having either degree will be considered. The applicant should have demonstrated research accomplishments and evidence of interest and proficiency in teaching and administration.

Letters of application should be accompanied by a curriculum vitae and addressed to: **Dr. David P. Jennings, College of Veterinary Medicine, Oklahoma State University, Stillwater, Oklahoma 74074.** Closing date for completed applications: 1 March 1976.

This institution in compliance with Title VI of the Civil Rights Act of 1964 and Title IX of the Education Amendments of 1972 does not discriminate on the basis of race, color, national origin, or sex in any of its policies, practices, or procedures. This includes but is not limited to admissions, employment, financial aid, and educational services.

The Peoria School of Medicine, one of three clinical schools within the University of Illinois College of Medicine, is seeking a **HEAD OR CHAIRPERSON** for the Department of Family Practice. This position requires a physician who must be graduated from an approved medical school, must be licensed or eligible for licensure in the state of Illinois and preferably Board-certified in family practice. Applicants should possess administrative experience, knowledge of funding educational and research programs, teaching experience, and interpersonal skills. This position is available at present, starting date to coincide with selection and approval of the candidate by the Dean of Peoria School of Medicine. Salary open. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women.* Interested persons should send curriculum vitae to **H. Hugh Rohrer, M.D., Chairman, Search Committee for Head/Chairperson for the Department of Family Practice, Peoria School of Medicine, Room S-143, 1400 West Main Street, Peoria, Illinois 61606.** Telephone: 309-674-8477, Ext. 217. Applications accepted until 31 March 1976.

POSTDOCTORAL ELECTRON MICROSCOPIST

Electron microscopist with recent Ph.D. is sought for freeze-etch work on membranes as postdoctoral fellow. The appointee should have biochemical and preferably immunological background. The fellow may lecture in our Biology Department. Solicit letters from three people familiar with your research, and send curriculum vitae and bibliography to **Professor Leonard X. Finegold, Biological Physics, Department of Physics, Drexel University, Philadelphia, Pa. 19104.** (Funded by NSF—Molecular Biology.) *Candidates may be of any karyotype.*

POSTDOCTORAL positions available immediately for research on (i) biochemical and physical studies of gene transcription and protein-nucleic acid interaction; (ii) application of fluorescent spectroscopy and fast kinetic technique in biological systems. Send résumé in confidence to: **Dr. C. W. Wu, Department of Biophysics, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, N.Y. 10461.**

POSITIONS OPEN

SOCIOECONOMIC ASPECTS OF ENVIRONMENTAL IMPACT ANALYSIS—Interest and experience in E.I.S. preparation. Teach graduate and undergraduate courses, primarily in Bloomington.

ENGINEERING GEOLOGY OR PHYSICAL GEOGRAPHY—Soils geology and hydrology in environmental impact analysis, land use analysis, and planning. Teach earth science core course for M.S. in Environmental Science Program and other courses, primarily in Bloomington.

Relevant practical experience in addition to strong academic credentials is preferred. Applications are sought from junior, intermediate, and senior persons. Interested applicants should send a curriculum vitae to:

**Faculty and Staff Search Committee
School of Public and Environmental Affairs
Poplars Research and Conference Center—Room 409
400 East Seventh Street
Bloomington, Indiana 47401**

An Equal Employment/Affirmative Action Employer

LEADER, Nutrient Data Research Center. GS 13-15. Is responsible for USDA's Nutrient Data Bank; for initiating, planning, and coordinating studies of nutrient content of foods; and for systematic compilation, evaluation, and summarization of data for use in the Data Bank and in tables of nutritive value of foods. Doctoral degree in food chemistry or related field preferred. Must have thorough knowledge of foods and must be cognizant of research developments in food technology, biochemistry, nutrition, and related areas. Please submit résumé with details of education and experience or Civil Service Standard Form 171 to: **Dr. R. L. Rizek, Chairman, Consumer and Food Economics Institute, Agricultural Research Service, USDA, Federal Building, Hyattsville, Md. 20782.**

The Section of Neurobiology and Behavior in the Division of Biological Sciences at Cornell University has an opening for a **NEUROBIOLOGIST**. The position will be filled at the assistant professor level. The candidate must have strong training and research commitment in fundamental problems involving cellular or molecular approaches to the nervous system. Areas of research could include, but are not restricted to, neurodevelopment, neural integration, or synaptic transmission. A curriculum vitae with bibliography, one or two recent reprints, and letters from three people who know the candidate's work well should be sent to: **Dr. Jeffrey M. Camhi, Chairman, Neurobiology Search Committee, Section of Neurobiology and Behavior, Langmuir Laboratory, Cornell University, Ithaca, New York 14853.** Deadline for receipt of applications is 1 March 1976.

PHYSICIAN FACULTY POSITIONS

Physician faculty positions open in community-based clinical program for third- and fourth-year medical students and large family practice residency program. Openings are either immediate or 1 July 1976. The following positions are available:

Psychiatry—chief service and two professors
Internal Medicine—chief of service and two assistant professors

Pediatrics—two assistant professors
Community Medicine—two assistant/associate professors

Surgery—chief of service
Applicants should be Board-eligible or -certified and eligible for Alabama licensure. Send résumé and information request to:

**W. R. Willard, M.D., Dean
College of Community Health Services
The University of Alabama
P.O. Box 6291
University, Alabama 35486**

The University of Alabama is an Affirmative Action/Equal Opportunity Employer.

POSITION AVAILABLE—assistant professor of pharmacology with M.D. or Ph.D. and at least 3 years of postdoctoral experience, capable of teaching medical students. Would prefer applicants with research experience in metabolic regulation. Inquiries should be addressed to the **Chairman, Department of Pharmacology, Indiana University, School of Medicine, 1100 West Michigan Street, Indianapolis, Indiana 46202.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available immediately for research on DNA tumor viruses. Experience in mammalian tissue culture required. Send curriculum vitae and references to: **Dr. F. L. Graham, Department of Biology, Life Sciences Building, McMaster University, Hamilton, Ontario, Canada L8S 4J9.**



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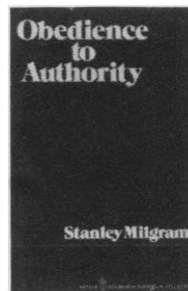
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POSITIONS OPEN

POSTDOCTORAL POSITIONS: (i) to use fluorescence techniques to study interactions among muscle proteins, with **S. S. Lehrer**, available immediately, and (ii) to participate in basic chemical and sequence studies on muscle proteins, with **M. Elzinga**, available 1 July 1976. Applicants should send résumés to appropriate person at: **Boston Biomedical Research Institute, 20 Staniford Street, Boston, Mass. 02114.**

POSTDOCTORAL POSITION: Available immediately; \$8,500 to \$10,000 per year. Two-year appointment. Research on CO₂-fixation in autotrophs via ribulose biphosphate carboxylase. Experience in enzymology preferred. Send résumé and two references to: **Glenn D. Kuehn, Department of Chemistry, New Mexico State University, Las Cruces, N.M. 88003.** *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION

Opening for a recent Ph.D. with experience in enzymology and nucleic acids, to work on enzyme-substrate specificity in transfer RNA biosynthesis. Send curriculum vitae and three references to **William H. McClain, Department of Bacteriology, University of Wisconsin, Madison, Wisconsin 53706.**

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POSITIONS OPEN

TWO POSTDOCTORAL RESEARCH ASSOCIATES

Immediate openings for 2 years (analysis of the neuronal control system for insect walking patterns and/or locust flight) and 1 year (analysis of gravity controlled orientation in gastropod mollusks). Skills in extracellular and intracellular recording and staining techniques required, experience in computerized data reduction welcome. Salary (BAT 11a) approximately DM 2700/month, dependent upon age and number of children. Send curriculum vitae, list of publications, and the names, addresses and telephone numbers of three potential references to **Dr. Wendler (insects) or Dr. Wolff (mollusks), 5 Köln 41, Zoologisches Institut, Weyertal 119, West Germany.**

PREDOCTORAL TEACHING AND RESEARCH ASSISTANTSHIPS—Available September 1976 to qualified M.S. and Ph.D. applicants in biochemistry-biophysics. Write to **Chairman, Department of Biochemistry and Biophysics, University of Hawaii, Honolulu, Hawaii 96822.** *An Equal Opportunity Employer.*

Duke University Medical Center is inviting applications for a position as **PROFESSOR AND CHAIRMAN** of a new Department of Pharmacology. Applicants should have an established record of teaching, research, and administrative proficiency. *Duke University is an Equal Opportunity/Affirmative Action Employer.* Please reply to: **Samuel L. Katz, M.D., Chairman, Pharmacology Search Committee, P.O. Box 2925, Duke University Medical Center, Durham, North Carolina 27710.**

A vacancy now exists for the post of **CHAIRMAN**, Department of Pharmacology in the Faculty of Medicine. Applicants should have advanced academic and professional qualifications, Ph.D. and/or M.D. or equivalent, preferably with experience in teaching and research. The chairman will be expected to teach in the medical and related faculties, including the School of Graduate Studies, and to administer the department. Salary is negotiable. Applications, including curriculum vitae and references, should be submitted as soon as possible to: **Dr. G. F. Whitmore, Faculty of Medicine, Medical Sciences Building, University of Toronto, Toronto, Ontario, Canada, M5S 1A8.**

PROFESSOR OF FORESTRY

Teaching and research in operational and planning aspects of forest management with emphasis on commodity production.

Direct applications to:

Dr. C. B. Davey
Department of Forestry
North Carolina State University
P.O. Box 5488
Raleigh, N.C. 27607

An Equal Opportunity/Affirmative Action Employer

UNIVERSITY OF CALIFORNIA, IRVINE

Position as **professor of psychology** in the School of Social Sciences. Duties involve graduate and undergraduate teaching in the area of perception and psychophysics. Candidate's research interests should also lie in this area, preferably with an emphasis on quantitative theoretical problems as well as experimental work. The school is seeking an established scientist who will pursue an active program of research and graduate training. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Send curriculum vitae and the names of five references to **Dean Christian Werner, School of Social Sciences, University of California, Irvine, Calif. 92717**, before 1 February 1976.

PSYCHIATRIST—Board-certified or -eligible. Full-time university appointment, academic rank commensurate with experience. Consultation-liaison psychiatry working with team of FT psychiatrist, social worker, psychiatric nurse, and research personnel. Teaching of medical students, psychiatric, surgical, and medical residents. Opportunity for pursuit of research interests in general area of "psychosomatic medicine." Salary open. Send curriculum vitae to **Clifford C. Kuhn, M.D., c/o Norton Psychiatric Clinic, Norton-Children's Hospitals, Inc., 200 East Chestnut Street, Louisville, Kentucky 40202.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

PSYCHOLOGIST—APPLIED PHYSIOLOGIST

The Kinesiology Department at Simon Fraser University has an opening for an assistant professor. Applicants should have a Ph.D. and developed research interests in motor learning, human factors, and applied physiology. The ideal applicant will be expected to teach undergraduate and graduate courses in motor learning and man-machine systems or ergonomics and to act as a focus for interdisciplinary research on man-machine systems and the psychophysiological effects of environmental stress. To apply, send full curriculum vitae and the names of three referees to **Dr. T. W. Calvert, Chairman, Department of Kinesiology, Simon Fraser University, Burnaby, B.C., Canada, V5A 1S6**, from whom further details can be obtained.

PUBLISHING: New York-based publisher of advanced scientific books and journals has opening for **acquisition editor** responsible for life sciences, earth sciences, and adjoining subjects. M.Sc., production and marketing experience desirable. Résumé/transcripts to **Box 11, SCIENCE.**

RESEARCH ASSOCIATE to pursue research into the mechanisms of anesthesia. Must have Ph.D. in physical chemistry, biochemistry, pharmacology, neurophysiology, or equivalent. Experience in membrane physiology/pharmacology is desirable. Starting salary range \$13,000 to \$17,000 plus benefits. Position open summer or fall 1976. Please send curriculum vitae with references to **Dr. Edmond Eger, Department of Anesthesia, 1386 HSE, University of California, San Francisco, Calif. 94143.** *An Equal Opportunity/Affirmative Action Employer.*

RESEARCH METEOROLOGIST to develop data processing system for existing post-siting impact study for power plant. Require M.S. meteorology (with substantial curriculum in physics) or atmospheric physics. Experience in conducting in-flight air pollution measurements in light aircraft; advanced Fortran, assembly language programming, minicomputer, data reduction-analysis, modeling, use of Cal-Comp and Tektronix CRT graphics software, familiar with CDC 6400, Kronos 2.1. Minimum starting salary \$11,000. Application deadline 30 January 1976. Start 16 February 1976. Send résumé to: **Twyla Harrison, Desert Research Institute, University of Nevada System, Building 3700, Room 121, Stead Campus, Reno, Nevada 89507.** *Affirmative Action/Equal Opportunity Employer.*

RESEARCH PHYSICIST JOINT INSTITUTE FOR LABORATORY ASTROPHYSICS (JILA)

JILA is a joint institute of the National Bureau of Standards (NBS) and the University of Colorado, with members holding appointments in either organization and NBS personnel normally affiliated with the University as Adjoints or Lecturers. An NBS appointment in experimental, low-energy atomic, molecular, and/or laser physics will be filled in the latter half of 1976. The position will require independent leadership of an aggressive research program, and consultation with colleagues on scientific problems of mutual interest. Candidates with established reputations for outstanding research will be considered for a permanent appointment. Candidates with recent doctorates and recognized outstanding ability and potential are especially encouraged to apply for a term appointment (up to 4 years), with permanent status subject to later review. The position will be filled in accordance with nondiscrimination policies. Applications should include a résumé, names of three references, and a tentative research plan, and should be received before 1 March 1976. Applications and inquiries should be addressed to **Dr. J. Cooper, Chairman, JILA, University of Colorado, Boulder, Colorado 80309.**

TRAVELING LECTURERS

University of Maryland University College seeks excellent teachers for non-lab introductory science courses offered to military students in its overseas divisions. Geologists, zoologists, biologists, and botanists with capability of teaching in two of these areas may apply. Ph.D. or two M.A.'s, recent undergraduate teaching experience and U.S. citizenship essential. Families please note: positions require travel every 2 months; family housing not provided and costly, dependent schooling very difficult to arrange and expensive. Apply (send résumé) to: **Dean, University of Maryland University College, College Park, Maryland 20742.**

POSITIONS WANTED

PROFESSOR OF BIOLOGY City University of New York

Hunter College of the City University of New York invites applications for this position from individuals with a strong ongoing research program in the area of eukaryote cell biology, membrane biochemistry, or immunology.

The department has a faculty of 20 members and occupies modern research laboratories at a midtown Manhattan campus. Participation in the training of doctoral students is expected as well as a strong commitment to undergraduate and graduate teaching. Please send curriculum vitae and the names of three references to **Professor Richard C. Mawe, Chairman, Biology/Search Committee, P.O. Box 344, 695 Park Avenue, New York, New York 10021.** *Hunter College is an Equal Opportunity Employer.*

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP IN BOTANY

The successful applicant for the **Forest B. H. and Elizabeth D. W. Brown Postdoctoral Fellowship in Botanical Sciences** will work for 1 year in some aspect of botany with a faculty member in the Department of Biology at Yale University. Tenure must begin between 1 July 1976 and 1 July 1977. Send résumé to **Administrative Assistant, 102 Kline Biology Tower, Yale University, New Haven, Connecticut 06520.**

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TEN 10-month awards for U.S. citizens during academic year 1976-77 for advanced research, primarily postdoctoral, in India under the auspices of the Indo-U.S. Subcommission on Education and Culture. No restriction as to fields, but applications in natural sciences and technology, and proposals involving collaboration with Indian scholars are particularly sought. Information available from **Council for International Exchange of Scholars, Eleven Dupont Circle, Washington D.C. 20036.** Telephone: 202-833-4980. Application deadline 2 February 1976.

POSTDOCTORAL FELLOWSHIPS

Two (2) NRSA postdoctoral fellowships available in vision research. Appointments could begin August 1975 to June 1976. Preference given to candidates with a strong background in biochemistry, developmental biology, electron microscopy, or neurobiology. Two-year appointment, \$10,000 per annum. Send statement of background and research interest with three references to:

Dr. Gunter K. von Noorden
Department of Ophthalmology
Baylor College of Medicine
Houston, Texas 77025

POSTDOCTORAL FELLOWSHIP in immunology. Good background in either biochemistry or immunology is required. Applicants should write to: **Professor A. Nowotny, Department of Microbiology and Immunology, Temple University School of Medicine, Philadelphia, Pa. 19140.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL FELLOWSHIP. Applications are invited for an opening involving studies in tumor immunology and virology at the Comparative Leukemia Studies Unit, New Bolton Center, University of Pennsylvania. Please submit curriculum vitae and references to **Dr. Jorge F. Ferrer, University of Pennsylvania, New Bolton Center, Kennett Square, Pa. 19348.**

SUMMER RESEARCH FELLOWSHIPS AT THE MARINE BIOLOGICAL LABORATORY

For the summer of 1976, funds are available to help defray laboratory fees and/or housing costs for a limited number of postdoctoral investigators (up to \$4500 each). Applications are encouraged from investigators with from 1 to 5 years of postdoctoral experience whose research requires marine organisms or the Laboratory's special facilities. For applications and further information, write the **Admissions Office, Marine Biological Laboratory, Woods Hole, Mass. 02543.** *MBL admits students of any race, color, and national or ethnic origin.*

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available immediately within an ongoing basic research program. Research involves the use of radio nuclides in basic biological, biochemical, and medical research, and includes the study of decay mechanisms in labeled compounds and their use in dynamic function studies.

candidates must be imaginative, energetic, and have the ability to work with a diversified group. Experience with radionuclides would be helpful but is not a prerequisite.

Please send resume to:

Dr. Alfred P. Wolf, Dept. of Chemistry

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VICE-CHANCELLOR

The Vice-Chancellorship of the University will become vacant in January 1977 following the retirement in December 1976 of Dr. D.M. Myers who was appointed as foundation Vice-Chancellor in 1965. The Council wishes to announce an appointment in the latter half of 1976 and requests that enquiries and suggestions should be made by the end of April.

In addition to his role as chief executive officer the Vice-Chancellor is encouraged to maintain an active interest in the scholarship and academic pursuits of the University, especially through the development of personal relationships with the staff and students.

The Chancellor, the Hon. Mr. Justice Smithers, invites enquiries from men and women who are interested in the appointment or who wish to suggest suitably qualified persons who may be interested. Letters should be addressed to the Chancellor at the University. All suggestions and enquiries will be treated as confidential to the selection committee appointed by Council.

Bundoora, Victoria
November, 1975

D.D. Neilson,
Registrar.

2368

NEW FACULTY POSITIONS UC RIVERSIDE/UCLA PROGRAM IN BIOMEDICAL SCIENCES

Applications are invited for four new faculty positions in an innovative *PROGRAM IN BIOMEDICAL SCIENCES* jointly offered by UC Riverside, the UCLA School of Medicine and the UCLA-affiliated San Bernardino County Medical Center, to be available on or after July 1, 1976. This program, now in its second year of operation, integrates five years of primary college subjects and instruction in basic sciences with the introductory years of the medical curriculum at UC Riverside and the San Bernardino County Medical Center which are followed by completion of the final two years of study for the M.D. degree at the UCLA School of Medicine. In addition to demonstrated ability in research, applicants should have a genuine interest in medical education with emphasis on high quality teaching in the basic medical sciences and their relationship to clinical medicine. Faculty in this program will have their primary academic position in *BIOMEDICAL SCIENCES*, and will hold joint appointments in other academic departments at UC Riverside and/or the UCLA School of Medicine, as appropriate. Excellent facilities for research and teaching will be available.

ASSISTANT PROFESSOR with research and teaching emphasis in *HUMAN AND MOLECULAR GENETICS*. Ph.D. degree, or M.D. degree with equivalent experience, in human genetics or closely related discipline required. Postdoctoral and/or teaching and research experience should be in immunogenetics, biochemical, developmental, or cytogenetics, preferentially in relation to man. Acquaintance with genetic counselling procedures is desirable.

ASSISTANT PROFESSOR with research and teaching competence in *BIOCHEMISTRY* and *ENDOCRINOLOGY*. Ph.D. degree in biochemistry or equivalent, or M.D. degree and appropriate training in biochemistry, required. Research should be in biochemical endocrinology and preferably be concerned with the mechanism of hormone action at the molecular level.

ASSISTANT OR ASSOCIATE PROFESSOR with responsibility for developing instruction program in *HUMAN ANATOMY*. Ph.D. in anatomy, or M.D. with specialization in anatomy, required. The candidate must be sufficiently experienced in anatomy teaching to be able to organize an instruction program in gross anatomy, microscopic anatomy and neuroanatomy. To qualify for an appointment as associate professor, candidates should be of proven research productivity and have an ongoing research program of demonstrated capability to attract extramural funding.

ASSISTANT PROFESSOR, M.D. or Ph.D. *PATHOLOGIST*, with teaching competence in general (anatomic) pathology and pathophysiology. Clinical affiliation with the San Bernardino County Medical Center, if qualified.

Applicants should submit curriculum vitae, academic transcripts, and a statement on research and teaching goals and have letters of reference sent to Ernst A. Noltmann, M.D., Acting Director, Program in Biomedical Sciences, University of California, Riverside, CA 92502. Detailed descriptions of the individual openings will be furnished on request. The University of California is an Equal Opportunity/Affirmative Action Employer.

FELLOWSHIPS

POSTDOCTORAL RESEARCH FELLOWSHIP for recent graduates with a Ph.D. in genetics or biochemistry involving human repeated DNA sequences and various fractionation and hybridization techniques. Stipend ranges from \$10,000 to \$14,000. Background in nucleic acid research required. To apply, send curriculum vitae and references to: **Dr. Jorge J. Yunis, Professor and Director, Medical Genetics Division, Department of Laboratory Medicine and Pathology, Box 198 Mayo Memorial Building, University of Minnesota, Minneapolis, Minnesota 55455. An Equal Opportunity Employer.**

A POSTDOCTORAL FELLOWSHIP IN OCULAR MOTILITY is available for a bioengineer seeking an academic career. This is a 2-year appointment with salary based on experience. The starting date is open but July 1976 is preferred. The candidate will have the opportunity to work with an inter-disciplinary team combining bioengineering, neurology and ophthalmology. Applicants should send a curriculum vitae to: **L. F. Dell'Osso, Ph.D., Ocular Motor Neurophysiology Laboratory, Neurology Service (180), Veterans Administration Hospital, Miami, Fla. 33125.**

POSTDOCTORAL FELLOWSHIP IN REPRODUCTIVE BIOLOGY

Is available. Applicants should be interested in the physiology and biochemistry of mammalian embryos during the preimplantation period. Studies are on the biochemistry of embryo development as well as on micromanipulation of the embryo and embryo cells that alters differentiation. Apply with curriculum vitae to: **R. L. Brinster, Laboratory of Reproductive Physiology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19174.**

POSTDOCTORAL FELLOWSHIPS IN MARINE POLICY AND OCEAN MANAGEMENT

Applications are invited for 1-year postdoctoral fellowships from scholars and practitioners from relevant fields in the natural sciences, social sciences and management who are interested in applying their disciplinary training and experience to investigations into questions of marine policy and ocean management which require a significant component of marine science. Recipients of awards are expected to pursue research full time, basing themselves in Woods Hole.

Applicants must have completed their doctorate degree or possess superior professional qualifications through career experience. Fellowship stipend is \$13,000. Appointees are eligible for group health insurance and a modest research budget. Application deadline is 15 March 1976 for 1976-77 awards. Awards will be announced in April. Write for application forms to **Dean of Graduate Studies, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543.**

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FELLOWSHIPS

POSTDOCTORAL FELLOWS in radiobiology. One position to involve in vitro cell culture experiments associated with high LET radiotherapy. The other to investigate in vitro transformation of fresh explants of cells. Salary \$11,500 with increments for up to 3 years.

Dr. Eric J. Hall, Radiological Research Laboratory, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York, N.Y. 10032.

COURSES

SURVEY COURSE IN IMMUNOLOGY

The Annual Survey Course in Immunology, sponsored by the American Association of Immunologists, will be held at Hood College, Frederick, Maryland, 12 July to 23 July 1976.

The course is intended primarily for university or college instructors who need to expand their breadth of knowledge in the field of immunology. The number of participants will be limited to approximately 100, and selection will be on a competitive basis. Applicants should prepare a document containing the following information: (i) curriculum vitae, (ii) current research and teaching activities, (iii) background in immunology, and (iv) reasons for wanting to enroll in the course. The document should be submitted in duplicate to **Dr. M. G. Hanna, Jr., Director of Basic Cancer Research, Frederick Cancer Research Center, P.O. Box B, Frederick, Maryland 21701**, not later than 1 March 1976. There are no formal application blanks.

The registration fee is \$125. Dormitory type facilities are available at nominal charge to the applicant. A limited number of scholarships will be awarded.

PROGRAMS

PROFESSIONAL PROGRAM: Doctor of Optometry (O.D.). Accelerated professional program of two calendar years specifically designed for the Ph.D. in physical, biological, behavioral, or applied sciences. An opportunity for an independent professional career; program starts July 1976. **Division of Special Studies, Massachusetts College of Optometry, 424 Beacon Street, Boston, Mass. 02115. Telephone: 617-261-3430, extension 32.**

DOCTORAL PROGRAM—PHARMACOLOGY Medical University of South Carolina, Department of Pharmacology, seeks candidates for Ph.D. program. Interdisciplinary environment with capabilities ranging from GC-MS through cell cultures and animal studies to clinical studies of patients. Research training available in biochemical, cardiovascular and clinical pharmacology, drug metabolism, toxicology, and analytical chemistry. Stipends available: \$3900 per year. Contact: **Department of Pharmacology, Medical University of South Carolina, Charleston, S.C. 29401.**

CALL FOR PAPERS

A conference on **energy problems in agriculture** will be held in St. Louis, Mo., 16 to 19 June 1976, organized by the Center for the Biology of Natural Systems, Washington University, and supported by NSF/RANN. Reports of original research and review papers are invited on: energy in present agricultural technologies; energy-conserving alternative crop and livestock production systems; alternatives to energy intensive fertilizers; adjustments of irrigated agriculture to energy problems; policy implications for the U.S. and developing countries. Summaries (about 500 words) or drafts should be sent by 13 February 1976 to: **W. Lockeretz, Box 1126, Washington University, St. Louis, Mo. 63130.**

GRADUATE STUDY

GRADUATE STUDY IN ENVIRONMENTAL HEALTH SCIENCES AND ENGINEERING

**School of Public Health
Harvard University**

Opportunities available for graduate studies in air pollution control, industrial hygiene and occupational health, environmental management, radiation protection, and environmental sciences and engineering. Traineeships and fellowships available in many of these areas. Deadline for completed applications: 1 March 1976. For details contact **Dr. Dade W. Moeller, Harvard School of Public Health, 665 Huntington Ave., Boston, Mass. 02115.**

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Please send resume in confidence to: Manager, Research Personnel, SCHERING RESEARCH CENTER, 60 Orange Street, Bloomfield, New Jersey 07003.

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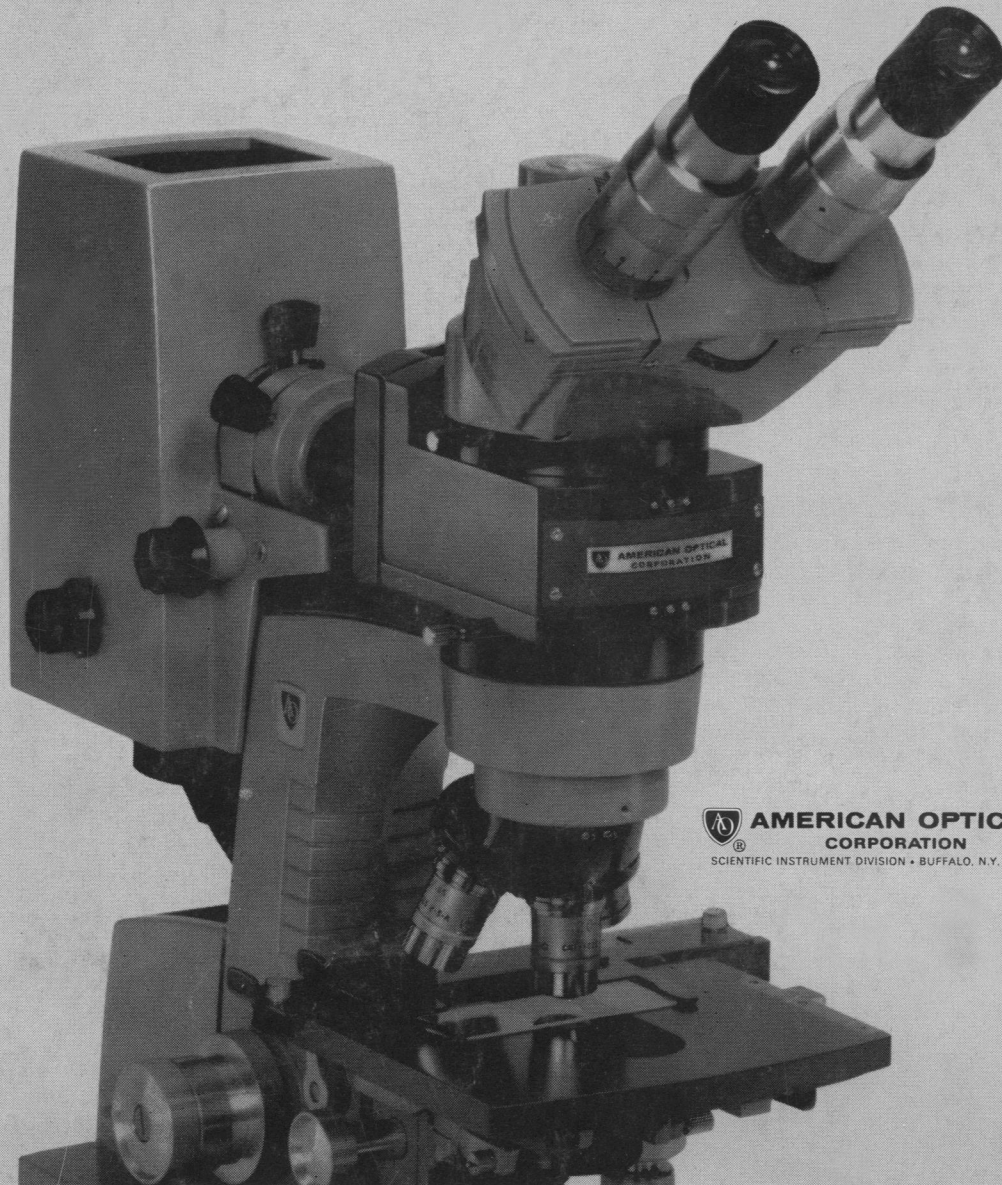
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