

# Personnel Placement

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**POSITIONS WANTED:** 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

**POSITIONS OPEN:** \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

**COPY** for ads must reach **SCIENCE** 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

SCIENCE, Room 211  
1515 Massachusetts Ave., NW  
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

Box (give number)  
SCIENCE  
1515 Massachusetts Ave., NW  
Washington, D.C. 20005

## POSITIONS WANTED

**Behavioral Neuroscientist**, Ph.D., woman, over 20 years' experience, many publications, expert in conditioning, seeks teaching and research position. Southern California preferred. Box 411, SCIENCE. X

**Biochemist**, 33, RNDr, 9 years' experience, seeks position in research, clinical, or industrial laboratory. Publications. Glycolysis, pentose pathway and Krebs cycle metabolism assays, enzymes, regulations, hormone receptors and cyclic AMP; lipids, TL and GC of FA. Box 412, SCIENCE. X

**Developmental Biologist**, Ph.D. Extensive experience in cell culture. College teaching experience. Desires biomedical research or research/teaching position. Box 413, SCIENCE. X

**Geochemist**, internationally well known, 19 years as professor (14 years founder and chairman of geology department), 60 publications include first work on carbonaceous meteorites; chapters in several books on organic geochemistry, origin of life; NASA lunar and exobiology projects; petroleum; economic geology; volcanology; crystal growth; interested in position in progress-minded university, college, or oil company. Box 414, SCIENCE. X

**Immunologist**, Ph.D. Seeks academic/research position. Seven years of research experience in tumor immunology. Isolation and purification of tumor, associated antigens, raising of antisera. Experience with CEA and radioimmunoassay. Box 400, SCIENCE. 8/17

**Professorship-Research** position, 1973 or 1974, Ph.D., good references, numerous publications, experience in teaching, light and electron microscopy, neurophysiology, cancer research. Box 415, SCIENCE. X

## POSITIONS OPEN

**THE UNIVERSITY OF CHICAGO, DEPARTMENT OF ANTHROPOLOGY** seeks, for possible appointment at any level, candidates for creative research and imaginative teaching in **physical anthropology** (human evolution, human biology, biological bases of behavior, comparative primate studies, other). Since its charter, the principle of the University has been to appoint without regard to race, religion, sex, or national origin. Candidates desiring consideration should send curriculum vitae and documents demonstrating distinction or potential for distinction to: **Chairman, Department of Anthropology, University of Chicago, 1126 East 59 St., Chicago, Illinois 60637.**

17 AUGUST 1973

## POSITIONS OPEN

Prior to January 1974, the Department of Cellular & Comparative Biology, Division of Biological Science, SUNY at Stony Brook, expects to make a decision on two appointments at the Assistant Professor level in the areas of (i) **Animal Behavior** and (ii) **Cellular and/or Developmental Biology**. Biologists who have experience in vertebrate ethology and have conducted research in both laboratory and field situations are encouraged to apply for the Animal Behavior position. Biologists who are active in research on eukaryotic systems are encouraged to apply for the Cellular and/or Developmental Biology position. The University is an equal opportunity employer; women and members of minority groups are encouraged to apply. Please send a copy of your curriculum vitae, letters from three professionals and reprints or copies of any papers you have published to: **Charles Walcott, Chairman, Department of Cellular & Comparative Biology, SUNY at Stony Brook, Stony Brook, New York 11790.**

The Department of Animal Science, University of California, Davis, is accepting applications for two Assistant Professorships, one in Reproductive Physiology with emphasis on reproduction, including gamete physiology, in the female of livestock species, one in Nutrition, with emphasis on dairy cattle. Both positions are 50 percent teaching, 50 percent research; one open now, one 1 July 1974. Qualifications include a Ph.D. in the relevant discipline, demonstrated interest and ability in teaching and research, and sufficient experience with livestock species to qualify the applicant to teach introductory animal science or livestock production, in addition to the specialty. Applications, including names of three referees, should be addressed to: **Chairman, Department of Animal Science, University of California, Davis 95616.**

*An Equal Opportunity Employer*

**BIOMEDICAL ENGINEER:** 800-bed New York City hospital has career opening for biomedical engineer to take charge of biomedical engineering department. Responsible for ensuring electrical and electronic safety standards, setting up preventive maintenance programs and instructing medical personnel. M.S. or equivalent in biomedical engineering or related discipline and experience in a hospital environment. Very attractive salary, benefits. Please submit résumé to Box 416, SCIENCE.

*An Equal Opportunity Employer*

**DISTINGUISHED CHAIR:** Applications are invited for the Kenan Chair at Colgate University. The holder of this endowed professorship must be a person of proven intellectual and academic excellence. Applications are open to all fields and disciplines, and applicants need not be in an academic position at present. Applications from women and members of minority groups are especially encouraged. Salary commensurate with the quality of the appointment. Send résumé and references to **Dean of the Faculty, Colgate University, Hamilton, New York 13346.**

Position now available for Ph.D. or medically qualified person with experience in teaching of **EMBRYOLOGY AND GENERAL HUMAN ANATOMY** primarily to medical students. Research interests may be in any related field. Position and salary by negotiation. Send curriculum vitae and names of three referees to **Dr. J. D. W. Tomlinson, Chairman Search Committee, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.**

**M.D., Ph.D.,** or other qualified individual to direct Data and Systems Control Group at large West Coast Medical Center Laboratory with responsibility for manual data handling and conversion to automated data handling. Academic rank and salary negotiable depending upon background and qualifications. (*An Equal opportunity employer*)

Box 417, SCIENCE

The **Physics Department** of the University of California at Berkeley anticipates that a faculty position will soon be open at the Assistant Professor level and seeks applications from persons specializing in theoretical astrophysics. Candidates must have a broad and thorough background in theoretical physics and astronomy and possess the ability to conduct original research of significance. They should have received the Ph.D. no less than 1 year and no more than 5 years ago.

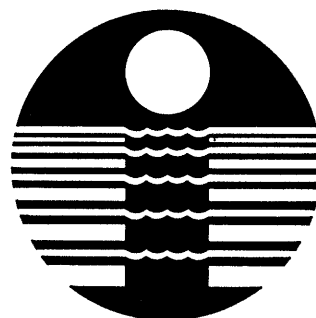
Applications should be submitted to **Professor Eugene D. Commins, Chairman, Physics Department, University of California, Berkeley, California 94720.**

*Equal Opportunity/Affirmative Action Employer*

## FORM AND PATTERN IN HUMAN EVOLUTION

*Some Mathematical, Physical, and Engineering Approaches*  
**Charles E. Oxnard**

Oxnard demonstrates how a variety of statistical, physical, and engineering techniques can be applied to the study of the bones of living and fossil primates to predict function from structure. Of interest not only to a large group of morphologists but to social and physical scientists and psychologists as well. \$12.50



## ICE-AGE HUNTERS OF THE UKRAINE

**Richard G. Klein**

This interdisciplinary study of early man during the Last Glacial period is based on data gathered from sites in the valleys of the Ukraine's major rivers. Combining the natural sciences with anthropology, Klein focuses on the question of early man's cultural adaptation to his environment. \$6.50, paper \$2.95

## MATHEMATICAL MODELS OF CONCEPTION AND BIRTH

**Mindel C. Sheps and Jane Menken**

An investigation of the dependence of natality indices on variation, natural or behavioral, in the physiological aspects of reproduction. The mathematical and computer models which the authors have developed serve as aids to understanding the dynamics of population growth and makeup. \$18.50

**UNIVERSITY OF CHICAGO PRESS**  
Chicago 60637

## Applications are invited for the post of ASSOCIATE EXECUTIVE EDITOR

for a journal devoted to cellular biology, in New York City. Applicant must have a doctoral degree in science, an interest in the general field of cell biology, and preferably some editorial experience. Will supervise clerical staff and oversee the reviewing and processing of manuscripts. Opportunity for person with originality to take responsibilities in helping the journal to meet changing interests and needs in this field of science. Send résumé to Box 422, SCIENCE.

### ENVIRONMENTAL SCIENTIST

El Paso Natural Gas Company, one of the country's largest and most progressive transmission companies, is seeking a highly qualified scientist to evaluate environmental impact of Company operations and new projects. Must formulate procedures for ecological protection. Function as company expert.

Must have M.S. or Ph.D. degree in a plant or biological science, and 3 to 5 years of experience. Some travel and fieldwork.

Excellent salary; benefits comparable with the best; geographical climate healthiest in the country, and the total cost of living is among the lowest in the nation. Send résumé to:

N. D. Lassiter, Employment Coordinator  
El Paso Natural Gas Company  
P.O. Box 1492, El Paso, Texas 79978  
An Equal Opportunity Employer M/F

## ENZYMOLOGIST Ph.D. or Equivalent

Carter-Wallace, located in Princeton, New Jersey area, one of the country's most dynamic leaders in the field of proprietary drugs, pharmaceuticals, cosmetics, and toiletries, has an unusual and immediate opening for a qualified scientist. The ideal candidate will have a Ph.D. or equivalent with solid academic training in biochemistry-enzymology and experience in enzyme assay and purification techniques.

Working in a sophisticated environment, career growth is assured. Salary commensurate with background and experience plus excellent employee benefits.

Send confidential résumé  
including salary history to:  
Personnel Manager

**CARTER-WALLACE, Inc.**

Cranbury, New Jersey 08512

(An equal opportunity employer, m/f)

### Georgia Institute of Technology, School of Mechanical Engineering seeks a SENIOR FACULTY MEMBER IN ENERGY ENGINEERING

to assume leadership in developing educational and research programs. Generalist or specialist in energy resources, conversion and/or utilization. Proven record of accomplishments in education, government and/or industry. Please send résumé to Dr. N. Zuber, Chairman, Search Committee, School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Ga. 30332.

### ENZYMOLOGIST

Ph.D. enzymologist with good physical chemistry background. Write to:

Personnel Office  
Cancer Research Center  
Business Loop 70 and Garth Ave.,  
Columbia, Missouri 65201

### IMMUNOLOGIST-DIRECTOR OF IMMUNOLOGY

Rapidly growing, dynamic company needs a highly qualified immunologist to direct and participate in research, development and production of IEP, RID, and RIA products. Salary range to \$25,000, depending on qualifications. Send résumé to

T. Gollas, President  
Helena Laboratories  
P.O. Box 752  
Beaumont, Texas 77704

### IMMUNOLOGIST

Ph.D. degree. Strong background in cellular immunology. Duties consist of conducting and supervising research using cellular immunity assays in detection of dental plaque associated antigens and host mediated responses. Salary open.

Box 418, SCIENCE  
Equal Opportunity Employer

### M.S. IMMUNOLOGIST

Large midwestern pharmaceutical company is seeking creative candidates with M.S. in immunology to take part in research program on cellular immunology, thymus function, and host defense mechanisms. Send résumé to

Box 419, SCIENCE

### IMMUNOLOGIST

Doctoral degree or equivalent, to participate in research program at large midwestern regional blood center with Medical School affiliation. Experience in transplantation and/or cellular immunology desirable but not essential. Teaching opportunities available. Salary negotiable depending upon training and experience. Send curriculum vitae and statement of research interests to:

Box 410, SCIENCE

## POSITIONS OPEN

**INVERTEBRATE ZOOLOGIST** (preferably aquatic), Ph.D. Assistant Professor of Zoology, Department of Zoology, College of Biological Sciences, The Ohio State University. The 9-month annual appointment could begin 1 January 1974 or 1 March 1974. Teaching assignment involves one academic quarter of evolution, assistance with introductory zoology, and development of a course in invertebrate zoology. Research interests may include physiology, population dynamics, community interactions, or behavior. Send complete résumé and three letters of recommendation to Chairman, Department of Zoology, The Ohio State University, 1735 Neil Ave., Columbus, Ohio 43210. An Equal Opportunity Employer.

### MICROBIOLOGIST-M.S.

To take charge of microbiology laboratory. Experience in anaerobic and aerobic techniques, isolation and identification of microflora from clinical specimens. Some biochemistry knowledge. Send résumé to:

Personnel Department  
American Health Foundation  
1370 Avenue of the Americas  
New York, N.Y. 10019

Position available for Ph.D. and/or M.D. with experience and interests in the field of **NEUROPHYSIOLOGY**. The successful candidate will be expected to have a major input into neurophysiological teaching to medical students, to offer elective options, and to initiate and conduct a research program preferably in an area of neurophysiology other than that of biophysics. Clinical access may be arranged for a suitably qualified individual. Position and salary by negotiation, dependent on experience. A curriculum vitae and names of three referees should be sent to J. D. W. Tomlinson, Chairman of Neurosciences Search Committee, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.

## PHARMACOLOGIST, M.S.

Aggressive individual with or without experience to conduct screening and do research in collaboration with biochemists and medicinal chemists.

Send your résumé in confidence to:  
H. C. FORD

**William H. Rorer, Inc.**

500 VIRGINIA DRIVE  
FT. WASHINGTON, PA. 19034  
(Suburban Philadelphia)  
An Equal Opportunity Employer

**PHYSIOLOGISTS** — Postdoctoral-type positions available for: (1) **ANIMAL PHYSIOLOGIST** or **PHARMACOLOGIST** with strong background in biochemistry to study the mechanism of action of pesticides with emphasis on membrane permeability. (2) **MICROBIAL PHYSIOLOGIST** with strong background in biochemistry to study effects and biodegradation of pesticides and (3) **PLANT or ALGAE PHYSIOLOGIST** to study the effect and metabolism of pesticides in marine algae. The positions offer opportunity for developing a program of candidates' own interests. Send résumé and 3 references to: Personnel Manager, SYRACUSE UNIVERSITY RESEARCH CENTER CORPORATION, Merrill Lane, University Heights, Syracuse, N.Y. 13210.

An Equal Opportunity Employer M/F

### Respiratory Physiologist/Pharmacologist

University Medical Center research laboratory seeks candidates interested in applying the principles of pulmonary mechanics to chronic inhalation and clinical drug studies.

Send curriculum vitae to:

Box 420, SCIENCE  
An Equal Opportunity Employer

## MARKET PLACE

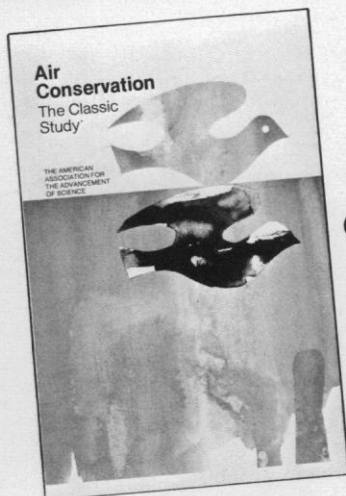
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AAAS

AMERICAN ASSOCIATION for the  
ADVANCEMENT of SCIENCE  
1515 Massachusetts Avenue, N.W.  
Washington, D. C. 20005

# Microbial Geneticist

A position is currently available in the Bio-Chemical Development Department of the Central Research Division for a Microbial Geneticist.

A Ph.D. in Microbial Genetics is preferred with a strong background in up-to-date approaches applicable to bacterial and fungal genetics. This specialist will conduct an industrial strain development program which has long-range goals involving antibiotics and organic acids.

This position offers ample opportunity for growth, an excellent salary and a comprehensive fringe benefits package. It is ideally suited to a professional with ability and desire to make his/her own decisions.

Please send résumé to Mr. L. H. Bentley,  
Personnel Manager, Pfizer Central Research  
Division, Eastern Point Road, Groton, Conn. 06340.

An Equal Opportunity  
Employer, male/female

# OFFICE OF NAVAL RESEARCH

## Director, Electronic and Solid State Sciences Program

Incumbent manages extensive contract research efforts in magnetism, superconductivity, cryogenics, radiation effects in solids, solid state electronics, electronic/optical/acoustic integrated circuits, electro-magnetics wave generation/propagation/detection, signal processing, electronic systems theory, and communications, navigation, and radar concepts.

## Director, Physics Program

Incumbent directs a broad program of contract research concerned with atomic and molecular physics, quantum electronics, laser physics, radiation and optics, plasma physics, high altitude and ionospheric physics, and aspects of nuclear physics.

## Director, Acoustics Program

As a senior member of the Navy's research community in acoustics, the Director provides advice and direction to Navy-wide projects and manages a broad contract research program. The emphasis of the program is in underwater acoustics with an ancillary program in physical acoustics.

The above are proposed  
GS-16 positions with  
salary range  
\$31,203 to \$36,000, plus  
civil service benefits.

# ONR

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Send Standard Form 171 or  
résumé **by 10 Oct. 1973** to  
Director of Civilian Personnel,  
Attn: Mr. Bizier,  
Office of Naval Research,  
800 North Quincy Street,  
Arlington, Virginia 22217.

The AO® "820" Microtome has been around for over 60 years, and it's still the most popular, most dependable instrument you can buy for sectioning tissue. So why change a good thing?

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