POSITIONS OPEN

The Department of Dermatology, University of Michigan Medical School, is searching for an ASSISTANT PROFESSOR. The primary responsibility will be basic research with some teaching and patient care. Candidates must be Board-certified in dermatology and have a research training in dermatologic research. The salary is negotiable. A departmental subsidy for supplies and travel is available. Research training will be done in the Department of Administration Medical Center. The research area consists of 3238 square feet of well-equipped laboratory space. There is also a possibility of a joint appointment with a basic science department.

The position will be available September 1982. Address application and curriculum vitae, to: John J. Voorhees, M.D., Professor and Chairman, Department of Dermatology, University of Michigan Medical School, 1500 East Medical Science Building, Box 945, 1335 East Catherine Street, Ann Arbor, Mich. 48109. A nondiscriminatory, Affirmative Action Employer. Code 16 and 26.

ASSISTANT PROFESSOR of MARINE BIOLOGY

The Department of Earth and Planetary Sciences at Johns Hopkins University invites applications for a tenure-track position at the assistant professor level that will begin 1 July 1983. Applicants should have completed the Ph.D. and should have a strong academic and research background in ecology. The position is interested in genetics, developmental biology, or behavior with special emphasis on behavior socializing in other areas of marine ecology will be considered. The successful candidate will be expected to establish an independent research program involving graduate students, and teach undergraduate and graduate courses in the departmental program in ecology and paleobiology. Send curriculum vitae, list of publications, summary of research interests, and the names of at least three referees to:

George W. Fisher
Department of Earth and Planetary Sciences
Johns Hopkins University
Baltimore, Md. 21218

prior to 1 October 1982. Letters of recommendation should not be included; they will be solicited directly by the department when needed.

The university is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMISTRY FACULTY POSITION. The Department of Biochemistry at the University of Massachusetts Medical Center seeks a faculty member for a position with previous experience and qualifications. The successful candidate will be expected to establish a vigorous and externally funded research program. Send applications and curriculum vitae to: Biochemistry Search Committee, Dr. Michael P. Czech, Department of Biochemistry, University of Massachusetts Medical Center, Worcester, Mass. 01605.

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CELL/MOLECULAR BIOLOGIST position in the Department of Cellular and Molecular Biology at the Southwest Foundation for Research and Education which is affiliated with the University of Texas Health Science Center at San Antonio. The individual selected will be expected to collaborate in established programs examining hormonal regulation of target tissue function during aging and in neoplasia and to develop an independent complementary research program. Applicants with a Ph.D. degree with postdoctoral and at least 2 years of research experience are invited to apply. Send curriculum vitae and three letters of recommendation to: Dr. Robert G. Wilkins, Southwest Foundation for Research and Education, P.O. Box 28147, San Antonio, Texas 78284.

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POSITIONS OPEN

Opening for TWO ASSISTANT RESEARCH BIOCHEMISTS OR POSTDOCTORAL FELLOWS (depending on qualifications) to begin 1 October 1982, the second beginning 1 May 1983. Experience required in chromatin biochemistry, nucleic acid biochemistry, biochemistry of growth, cell and cell cultures. Experience: HPLC, protein, nucleic acid separations, and gel technology. The area of research will be nuclear hormone and carcinogen related mechanisms. Salary range: $15,936 to approximately $19,600 for postdoctoral fellows; $22,000 to approximately $28,500 for assistant research biochemists. Apply to: Professor Ernest Kun, Cardiovascular Research Institute, 1315-Moffitt Hospital, University of California, San Francisco, Calif. 94143. An Equal Opportunity/Affirmative Action Employer.

BIOLOGY INSTRUCTOR

Temporary teaching position available September 1982 through May 1983 to instruct general biology with two laboratory sections. Applicants must possess master's degree in biology. Ph.D. may have opportunity for higher division electives. Please send curriculum vitae: to Dr. H. Butcher, Chair, Biology Department, Loyola College, 4501 North Charles Street, Baltimore, Maryland 21210. An Equal Opportunity Employer.

Central Michigan University (CMU) is seeking an ELECTRON MICROSCOPE TECHNICIAN to maintain and operate transmission and scanning electron microscopes, polarizing, optical light microscopes, and photographic darkroom, and to assist in teaching practical courses in biological electron microscopy. Basic knowledge of the edge of solid-state electronics and being able to communicate effectively with faculty. A.B. required; M.S. preferred. Salary: $15,225 to $18,283, commensurate with qualifications. Send résumé, three reference letters, and transcripts by 16 July 1982 to: Personnel Office, 109 Rowe Hall, Mt. Pleasant, Mich. 48859.

CMU is an Affirmative Action/Equal Opportunity Institution.

FACULTY POSITION IN PHYSIOLOGY

The Division of Basic Sciences invites applications for a tenure-track position to begin 1 July 1983. The Division is seeking an individual with experience in teaching and research capabilities. Requirements: Ph.D. or M.D. degree with at least 2 years of research experience. Send curriculum vitae, brief statement of research interests, and names of three references to: Dr. Robert C. Sauter, Los Angeles College of Chiropractic 10020 South Sepulveda Drive Whittier, Calif. 90604

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FACULTY POSITIONS

APALACHIAN ENVIRONMENTAL LABORATORY

Center for Estuarine Studies, Florida State University of Maryland

FISHERIES SCIENTIST with broad interests in fisheries science and management. Specialties may include population dynamics, modeling, stock assessment, biostatistics, and related fields.

AVIAN ECOLOGIST with broad interests in ornithology. Specialties may include systematics, physiology, and field studies of waterfowl, ecology, behavior, and related disciplines.

ECOLOGIST/ENVIRONMENTAL BIOLOGIST with broad interdisciplinary biology. Specialties may include mammalogy, ornithology, ichthyology, herpetology, limnology, habitat reclamation, environmental biology, biometrics, and related disciplines.

Successful candidates will be expected to develop and maintain independent research programs, teach one course in wildlife or fisheries, and advise graduate students. Appointments will be made between 1 October 1982 and 30 June 1983. Rank and salary are open.

Applications should include current curriculum vitae, a statement of research and teaching interests, and names of three references. The deadline for applications is 15 November 1982. Send to: Dr. Joseph A. Gobel, Chair, Environmental Education Laboratory, Center for Environmental and Estuarine Studies, University of Maryland, Frostburg State University Campus, Frostburg, Maryland 21532.

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University of London

CHAIR OF BIOPHYSICS

TENABLE AT KING’S COLLEGE, LONDON

The Senate of the University invites applications for this chair which carries with it the additional title of Professor of Biophysics. The post is attached to the position of Professor Maurice H. F. Wilkins, Noble Laureate for his work on DNA structure, and will be available from as early as possible in the session 1982–1983.

Applications (ten copies) should be submitted to: Academic Registrar (Sc.), University of London, Malet Street, London WC1E 6BT, from whom further particulars should first be obtained. Closing date: 31 July 1982.

ENVIRONMENTAL SCIENCES/NAURAL HISTORY

The South East Environmental Science Consortium for International Development (SECID), a nonprofit corporation providing research, training, and extension in developing nations, invites applications for the position of East Africa Project Representative for the Environmental Training and Management in Africa Project. The successful applicant will be posted in Nairobi, Kenya, and will be expected to work with African institutions and U.S. AID environmental officers in planning and implementing training programs in environmental sciences, environmental planning, and resource management in eastern and southern African nations. Candidates must have a Ph.D. degree in environmental sciences/natural resource management or related discipline. Experience in working with African colleagues will be given to candidates with significant international experience, particularly in East Africa. The position is available from 1 April 1983. Send résumé, including description of international experience, a complete list of publications, and the names and addresses of at least three references to: Dr. Earl B. Buckley.

SECID
400 Electra Drive
Suite 207
Chapel Hill, N.C. 27514

Application deadline: 15 July 1982. SECID is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION—PHYSICAL OCEANOGRAPHY

Tenure-track assistant professor faculty position is available in the Department of Oceanography, Florida State University. This is a new position funded by the state of Florida. It is a part of a growing research program in the geophysical sciences which, in addition to the Department of Oceanography, includes the Departments of Meteorology and Mathematics and the Geophysical Fluid Dynamics Institute. Both the oceanographers and the theorists are invited to apply; candidates with considerable experience may apply at higher academic ranks. Interested candidates should submit a statement of research interests, selected reprints, and names of four references to: Dr. Doron Nof, Chairman, Florida State University, Department of Oceanography, Florida State University, Tallahassee, Fla. 32306. Florida State University is an Equal Opportunity Employer with a nondiscriminatory plan.

Faculty Positions in Cellular, Molecular, or Developmental Biology

Qualifications should include an M.D. or Ph.D., postdoctoral experience, a distinguished research record, and an ability to teach and to learn to teach, course material in neuroanatomy, microscopic anatomy, or growth anatomy. Salary level to depend upon qualifications. Candidates should send résumé, published and unpublished work, and at least three letters of recommendation to:

Dr. Donald A. Fischman,
Chairman, Department of Anatomy
Cornell University Medical College
1300 York Avenue, New York, N.Y. 10021

Cornell University Medical College is an Equal Opportunity/Affirmative Action Employer.
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Information for Contributors

The Editors of Science

Papers published in Science often receive far more attention than papers published in specialty journals. As a consequence, the rate of submission of papers is high—about 3000 manuscripts are submitted each year. The rejection rate of about 80 percent contrasts with that of most specialty journals, which is usually about 30 percent. Most of the material submitted to Science is of good quality and worthy of publication, and virtually all the scientific papers are eventually published somewhere. In selecting papers for Science, the editors must consider the needs of a broad audience. Insofar as the input of manuscript permits, preference is given to items that seem to be of general significance.

General Information

Four types of signed papers are considered: Articles, Reports, Letters, and Technical Comments. The author’s membership in the AAAS is not a factor in selection. Papers are considered with the understanding that they have not been published and are not under consideration elsewhere. Authors will usually be notified of acceptance, rejection, or need for revision in 6 to 8 weeks (Reports) or 8 to 10 weeks (Articles).

Outside reviews. Almost all Articles and Reports, including those solicited by the editor, are sent to two or more outside referees for evaluation. Referees suggested by authors are used at the discretion of the editors. Papers that depend on statistical inferences for their conclusions may be sent to statisticians (in addition to other referees) for review.

Length limits. Papers that exceed the length limits cannot be handled expeditiously and in some cases will be returned without review. The limits are stated below in number of pages based on standard-size pages (81/2 by 11 inches) typed with double spacing throughout (including the references and notes) and with 1-inch margins.

1) Articles: Up to 20 pages of text, including the references and notes, and one table or figure for approximately every three manuscript pages.
2) Reports: Up to seven pages of text, including references and notes, and two tables or figures that together will occupy no more than half a printed page.
3) Letters: Up to 250 words.
4) Technical Comments: Up to two pages of text, including references and notes.

Selection of Manuscripts

1) Articles: About half the Articles published in Science are solicited by the editor. Both solicited and unsolicited Articles undergo outside and in-house review. Articles are expected to (i) provide a review of new developments in one field that will be of interest to readers in other fields, (ii) describe a current research problem or a technique of interdisciplinary significance, or (iii) present a study of some aspect of the history, logic, philosophy, or administration of science or a discussion of science and public affairs. Readers should be able to learn from a technical Article what has been firmly established and what are significant unresolved questions; speculation should be kept to a minimum. Preference is given to Articles that are well written, well organized, and within the length limit. Balance of subject matter in Science is an important consideration when a choice is made between acceptable Articles.
2) Reports: Reports are selected on the basis of reviewers' comments and an in-house review. Reports are expected to contain solid research results or reliable theoretical calculations. Preference is given to those that describe departures or discoveries that will be of broad interdisciplinary interest or of unusual interest to the specialist. In making the final selection, the editors take into consideration (i) the reviewers' comments: reports most likely to be accepted are those that receive persuasive outside reviews favoring publication; (ii) clarity of presentation within the prescribed length limit; and (iii) subject matter in relation to that of other papers on hand. An attempt is made to balance the subjects of Reports so that one discipline is not overrepresented to the exclusion of others.
3) Letters: Letters are selected for their pertinence to material published in Science or because they discuss significant problems of interest to most scientists. Letters of a highly technical nature are usually transferred to the Technical Comments section. Letters pertaining to material published in Science may correct errors, provide support or agreement, offer different points of view, clarify, or add information. Outside reviewers may be consulted on questions of accuracy. Insinuations and conjecture about another author's motives, abilities, or intelligence are considered inappropriate for publication. The selection of letters is intended to reflect the range of opinions received.
4) Technical Comments: Technical Comments may be selected for publication if they express significant criticisms of papers published in Science or offer useful additional information. Technical Comments are usually sent for an opinion to the authors of the original papers before being reviewed. Discussions of minor issues or priority claims are not deemed appropriate, nor are questions that can be resolved by correspondence between the critic and the original authors.
5) Book Reviews: The selection of books to be reviewed and of reviewers is made by the editors.

Submission of Manuscripts

Submit an original and two duplicates of each manuscript together with a letter of transmittal giving:
1) the name(s) and telephone number(s) of the author(s);
2) the title of the paper and a statement of its main point;
3) the names, addresses, telephone numbers, and fields of interest of four to six persons in North America but outside your institution who are qualified to refer to your paper;
4) the names of colleagues who have reviewed your paper; and
5) the fields of interest of readers who may want to read your paper.

Manuscript Preparation

Typing. Use double spacing throughout the text, tables, figure legends, and references and notes.
Units of measure. Use metric units. If measurements were made in English units, give metric equivalents.

Symbols and abbreviations. Define all symbols, abbreviations, and acronyms.

References and notes. Number references and notes in the order in which they are cited in the text. Place references cited only in tables or figure legends after the text references. Gather all acknowledgments into a single, brief statement at the end. Use Bibliographic Guide for Editors & Authors (American Chemical Society, Washington, D.C.) for abbreviations of journal titles. For journals not listed there provide the full title. Use the following forms:

For a journal paper: H. Smith, Am. J. Physiol. 98, 279 (1931).


Illustrations. For each illustration submit three copies of a quality suitable for reproduction. Label each on the back with the name of the author and the figure number. Plan figures for the smallest printed size consistent with clarity. Color may be used if necessary but authors are billed accordingly. Cite all illustrations in the text and provide a brief legend for each.

Tables. Type each table on a separate sheet, give it a number and title, and cite it by number in the text. Give each column a heading. Indicate units of measure in parentheses in the heading for each column, and do not change the unit of measure within a column.

Equations and formulas. Use quadrupe spacing around equations and formulas that are to be set off from the text. Define all symbols.

Special Requirements and Procedures

1) Articles: Provide a title of one or two lines of not more than 26 characters and spaces each; a brief author note giving your position and address; and a summary of 50 to 100 words. The summary should convey to the general reader the main point of the paper and outline the results or conclusions. The introduction should portray the broad significance of the work, and the whole text should be intelligible to scientists in different disciplines. Explain all technical terms likely to be known in only one field. Insert short subheadings at appropriate places in the text to mark your main ideas. Provide a reference list in accord with Science style. Reference lists should not be exhaustive; citation of a single review article can often replace many references. A maximum of 40 references is suggested.

2) Reports: Provide a title of one or two lines of not more than 54 characters and spaces each, and an abstract of 50 to 75 words. The abstract and the first portion of the report should portray for the general reader the results described and their significance. The body of the report should be intelligible to scientists in other fields of expertise. Complete documentation need not be presented but should be available in cited references.

3) Letters: Letters should be short (up to 250 words) and to the point; they should be carefully phrased, free of technical jargon, and nonrepetitive. When a Letter refers to an Article published in Science the original author is usually given an opportunity to reply. Letters are frequently shortened and edited. Letters are acknowledged by postcard; authors are notified if their letters are accepted for publication. Letters must be typed with double spacing.

4) Technical Comments: Technical Comments on Reports or Articles are published at the end of the Reports section. When a Technical Comment is accepted for publication the authors of the original paper are usually given an opportunity to reply.

5) Book Reviews: Instructions accompany review copies when they are sent to reviewers.

Printing and Publication

Editing. Before being sent to the printers, papers are edited to improve accuracy and effectiveness of communication. When changes are needed because the author's meaning is not clear, the editor may consult the author by telephone; when the editing is extensive, the manuscript may be returned to the author for approval or further adjustment before the type is set.

Proofs. One set of galley proofs is provided for each paper. Alterations should be kept to a minimum and marked only on the proofs. Extensive alterations may delay publication.

Scheduling. Papers are not scheduled for publication until Science has received corrected galley proofs from the authors. The median delay between acceptance of papers and mailing of galley proofs to authors is 4 to 8 weeks (allowing for editing and typesetting); the median delay between receipt of authors' galley proofs by Science and publication is 4 to 6 weeks (allowing for proofreading, layout, and paging). There may be additional delays in publication for papers with tables or figures that present problems in layout and for papers accompanying cover pictures.

Reprints. An order blank for reprints accompanies proofs.

Cover Photographs

Particularly good photographs that pertain to a paper being submitted will be considered for use on the cover. Submit prints (not slides, negatives, or transparencies) together with the manuscript, and indicate in the letter of transmittal that a possible cover picture is enclosed.