Circle No. 84 on Readers’ Service Card

BOOKS RECEIVED

(Continued from page 791)

Analysis. An Introduction. John L. Chal-
lifour. Benjamin (Addison-Wesley), Read-
ing, Mass., 1972. x, 188 pp.,illus. Cloth, $12.50; paper, $5.95. Mathematics Lecture Note Series.


Glucagon. Molecular Physiology, Clini-


Journey through a Part of the United States of North America in the Years 1844 to 1846. Albert C. Koch. Translated from the German edition (Dresden, 1847) and edited by Ernst A. Stabler. Southern Illinois University Press, Carbondale; Fef-

Karst Landforms. Marjorie M. Sweet-


Length of Stay in PAS Hospitals, United States, 1971. Commission on Prof-
essional and Hospital Activities, Ann Arbor, Mich., 1972. Iviii, 164 pp., illus. Paper, $8.50.

Length of Stay in PAS Hospitals, United States, Regional, 1971. Commissi-
on on Professional and Hospital Ac-


The Logit Transformation with Special Reference to Its Uses in Bioassay. Win-


A Method of Obstetrics and Gynaecol-
ogy. Ian A. McDonald. Illustrated by Roberta J. McDonald. Pergamon, Elms-
ford, N.Y., 1972. xii, 544 pp. $16.50.


Migration of Interacting Systems. L. W. Nichol and D. J. Winzor. Oxford Uni-
versity Press, New York, 1972. x, 166 pp., illus. $17.75. Monographs on Phys-
ical Biochemistry.

Modal Control. Theory and Applica-
tions. Brian Porter and Roger Crossley. Taylor and Francis, London; Barnes and Noble, New York, 1972. xvi, 234 pp., illus. $23.75.

Modern Analytical Methods. D. Bet-
teridge and H. E. Hallam. Chemical So-


Molecular MSI Information Corp., New York, 1972. Current Research I, papers by S. Riva and others. 198 pp., illus. Current Research II, papers by S. Peter Niss-
ly and others. 186 pp., illus. Each vol., $15.

Neuromuscular Blocking and Stimulat-
tional Encyclopedia of Pharmacology and Therapeutics, section 14.

Nobel. The Man and His Prizes. Edited by the Nobel Foundation and W. Odel-

The North American Species of Psal-
Because Olympus listened to researchers, we can offer you the benefits of the modular concept that builds job flexibility into an already complete research microscope—VANOX-M. Start with bright or dark field, polarized light, phase contrast, differential interference contrast, and your choice of tungsten, halogen, mercury arc or xenon arc light sources, with provision for transmitted light applications. Decide which optical requirements suit your application and choose from a wide range of color-corrected, hard-coated lenses. Choose from three object stages. Then add economy to quality and flexibility...Olympus VANOX-M is moderately priced. And the VANOX-M is compatible with the Olympus fully automatic camera system PM-10 with all variations. For information or to arrange a demonstration write Dept. VM-8. Olympus Corporation of America, Precision Instrument Division, 2 Nevada Drive, New Hyde Park, New York 11040.

**OLYMPUS**

In Canada, write W. Carsen Co. Ltd., 31 Scarsdale Rd., Don Mills, Ontario

Circle No. 61 on Readers' Service Card

---

**Could you dry this tissue without damage?**

You could easily—if you have the Sorvall Critical Point Drying System. It's a major new asset in the study of biological samples like the one shown above (surface of tracheal epithelium, magnified 17,500 times). Such specimens are highly vulnerable to distortion by drying. Yet Sorvall's system dries them for microscopic study without damage to delicate surface details—as you can see here. Uses CO₂, "Freon"® 13 or other gases. Its stainless-steel chamber accepts S.E.M. stubs, T.E.M. grids, a standard 22mm square optical microscope cover-glass or porous containers for small samples.

A clamp-on tank mount saves bench space. No tools needed for mounting or operating. Plus many other advantages.

Why not find out about all of them?
Write to Ivan Sorvall, Inc., Newtown, Conn. 06470. Or phone (203) 426-5811.

*Du PontTrademark.*

Ask for Bulletin 00-000

**SORVALL®**

Circle No. 60 on Readers' Service Card
The 16S/B is the one camera best able to record faithfully all the fine detail and all the subtleties of contrast and color produced by today's most sophisticated lab microscopes and research technology. This is because the Arriflex itself is a quality instrument designed and built to laboratory standards of precision, high performance and advanced features. If your responsibility includes the recommendation and/or purchase of a 16mm motion picture camera for cinemicroscopy, don't fail to see the Arriflex 16S/B. It will match to perfection all that is best in your laboratory.

Film Registration Movement
The heart of the Arriflex 16S/B is a high precision registration movement that locates the film with great precision. It assures optimum picture steadiness and picture detail on the screen whether the phenomena was recorded by extended time lapse techniques or at camera speeds up to 64 frames per second.

Mirror-Shutter Reflex Finder
The reflex finder of the Arriflex is based on the mirror-shutter principle. The most important characteristic of this construction is that during the instant when a frame of film is exposed, there is nothing—neither prisms nor semi-transparent mirrors—between the microscope optics and the film to cause light loss or to degrade image quality. At the same time, the image in the camera finder is so bright and sharp, that a viewing telescope becomes unnecessary and finally, the microscope binocular eye-piece, the film and the camera reflex finder can all be made parfocal.

Rugged Reliability
Arriflex cameras are used in the sub-zero temperature of the Arctic, in the torrid equatorial jungle and everywhere in between. And they perform to perfection. In the laboratory too, where the outcome of days, and even weeks of meticulous preparation awaits the recording camera, the proven reliability of the 16S/B makes it equal to the task.

Write for literature.
ARRIFLEX COMPANY OF AMERICA
P. O. Box 1050, Woodsy, N. Y. 11377
1011 Chestnut St., Burbank, Ca. 91502

ARRIFLEX® 16S/B

for cinemicroscopy at its finest!
This 96-page compendium is a comprehensive and up-to-date reference work on books, journals, articles, and other literature dealing with issues of science and society. Primarily designed for use in physical science and social studies courses in high schools and colleges, this publication is useful both to scientists and laymen increasingly concerned with the subject.

Almost 4,000 references, many annotated, are included. John A. Moore, University of California, Riverside, is the author.

The bibliography is offered at the price of $1.00 per copy, or 75¢ each for ten or more copies.

Orders should be addressed to

AMERICAN ASSOCIATION for the
ADVANCEMENT of SCIENCE
1315 Massachusetts Avenue, N.W.
Washington, D.C. 20005

---

SCIENCE REPRINTS

Reprints are 25¢ each. Minimum order $2.50. Enclose check or money order—no cash. Circle choice. Indicate number of copies at end of title.

Geology
194) W. D. Scott et al., “Open Channels in Sea Ice (Leads) as Ion Sources,” 4 Aug. 1972 (2)

Archeology
123) A. Chandrasekharam, “Spongy Mesophyll Remains in Fossil Leaf Compressions,” 28 July 1972 (2)

American Association for the Advancement of Science
Box G, 1515 Massachusetts Ave., NW,
Washington, D.C. 20005

Name ............................................
Address .........................................

23 FEBRUARY 1973

Revco is More than a freezer... It’s a System.

You get more than dependable ULTra-Low® temperature when you buy a Revco freezer. We adapt the freezer to your particular use through the proper accessories from our inventory control systems. Let us show you how Revco provides the total answer to your ULTra-Low® temperature needs. Available in sizes from 1-1/2 to 25 cubic feet, including the standard 8.5, 9, 12 and 17 cubic foot sizes, in chest models and upright.

REVCO, INC.
1177 Memorial Drive
West Columbia, S.C. 29169
Tel. (803) 796-1700

The world's leader in ULTra-Low® temperature equipment
Circle No. 80 on Readers' Service Card

FREE CATALOG Describes new multi-channel tubing pump for 24-hour continuous duty, plus four more models for precise, contamination-free fluid movement from 0.0002 to 2280 ml/min. Variable speed, different tubing sizes in same pump multiply versatility. Ideal for sterile systems, corrosive fluids, blood, etc.

NEW HEAVY-DUTY PERISTALTIC TUBING PUMPS

Mail coupon to:
Harvard Apparatus
Dept. D-25, P.O. Box 24,
Millis, Mass. 02054
Or call (617) 376-2987.

Please send Peristaltic Pumps Bulletin 1200 to:

Name ............................................
Dept. ............................................
Institution ....................................
Address ........................................
City __________________ State ______ Zip _______

HARVARD APPARATUS


Circle No. 82 on Readers' Service Card
YOUR LAB IS SAFER,
MORE EFFICIENT WITH
TIME PRODUCTS

Safer because all Time Tape Products are treated to interrupt the flow of bacteria, they are BACTERIOSTATIC. Safer because Time Tapes and Labels are pressure-sensitive, they eliminate a major source of contact infection, hand-to-mouth contact.

Safer because Time Tapes and Labels provide instant visual communication of warnings and proper procedures.

More Efficient because Time Identification systems organize and correlate your LAB procedures.

There is a local Time dealer or representative near you. Contact us for his name. We will also send samples and literature on our complete line of Time Tapes and Labels.

YOUR LAB IS SAFER,
MORE EFFICIENT WITH
TIME PRODUCTS

Safer because all Time Tape Products are treated to interrupt the flow of bacteria, they are BACTERIOSTATIC. Safer because Time Tapes and Labels are pressure-sensitive, they eliminate a major source of contact infection, hand-to-mouth contact.

Safer because Time Tapes and Labels provide instant visual communication of warnings and proper procedures.

More Efficient because Time Identification systems organize and correlate your LAB procedures.

There is a local Time dealer or representative near you. Contact us for his name. We will also send samples and literature on our complete line of Time Tapes and Labels.

YOUR LAB IS SAFER,
MORE EFFICIENT WITH
TIME PRODUCTS

Safer because all Time Tape Products are treated to interrupt the flow of bacteria, they are BACTERIOSTATIC. Safer because Time Tapes and Labels are pressure-sensitive, they eliminate a major source of contact infection, hand-to-mouth contact.

Safer because Time Tapes and Labels provide instant visual communication of warnings and proper procedures.

More Efficient because Time Identification systems organize and correlate your LAB procedures.

There is a local Time dealer or representative near you. Contact us for his name. We will also send samples and literature on our complete line of Time Tapes and Labels.

YOUR LAB IS SAFER,
MORE EFFICIENT WITH
TIME PRODUCTS

Safer because all Time Tape Products are treated to interrupt the flow of bacteria, they are BACTERIOSTATIC. Safer because Time Tapes and Labels are pressure-sensitive, they eliminate a major source of contact infection, hand-to-mouth contact.

Safer because Time Tapes and Labels provide instant visual communication of warnings and proper procedures.

More Efficient because Time Identification systems organize and correlate your LAB procedures.

There is a local Time dealer or representative near you. Contact us for his name. We will also send samples and literature on our complete line of Time Tapes and Labels.
Good guys wear white hats and nominate their friends for membership in the AAAS. Are you a good guy?

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
1515 Massachusetts Avenue, N.W. Washington, D. C. 20005

I should like to nominate the following for membership in the AAAS:

(Please print or type)

NAME ___________________________________________________________
ADDRESS __________________________________________________________

NOMINATED BY ____________________________________________________

NAME ___________________________________________________________
ADDRESS __________________________________________________________

NOMINATED BY ____________________________________________________

NAME ___________________________________________________________
ADDRESS __________________________________________________________

NOMINATED BY ____________________________________________________

NEW FROM KLETT
4 Vertical Gel Electrophoresis Cells

FEATURES
* Transparent lucite body.
* Full view of gel columns during preparation.
* Full view of dye front.
* All safety features.
* Precision ground channels.
* Leveling legs.
* Rapid, simple and complete removable of gel columns with spatula.

KLETT Manufacturing Co., Inc.
179 E. 87th Street, New York, N.Y. 10028
Personnel Placement

POSITIONS WANTED

Dynamic Teacher desires position at institute with strong undergraduate commitment. Interdisciplinary interests; evolutionary biology, botany, teaching experience at secondary college levels. Ph.D. (June 1973); Ed.D. (Sept. 1973). Box 83, SCIENCE.

Ecologist wishes to be recycled. Trained in mammal populations, behavior, community structure. Seeks socially relevant position involving research, teaching, environmental assessment, consulting, or administration. Human population ecology particularly interesting. Box 84, SCIENCE.

Environmental Biologist, Ph.D. 1967: desires challenging position in the field of environmental management and protection, academic or non-academic employing. Box 85, SCIENCE.

Limbologist, Ph.D., 4 years of teaching experience in ecology, limnology. Research in diatom and invertebrate community dynamics. Prefers midwest. Box 86, SCIENCE.

Material Scientist, Ph.D., 30, returning from Europe desires tall teaching/research position. Introductory background in metals and non-metals includes both industrial and postdoctoral experience. Presently working with polymers, glasses and expecting more than six publications in next 18 months. W. M. Mindeur, rue des Moulins, 67000 Strasbourg, France.

Medical Education, curriculum, implementation and evaluation design for undergraduate, graduate, and postgraduate programs for health professionals. Also experience in workshop design and group process. Have M.Ed. in medical education with 5 years of experience as above. Have Ph.D. in microbiology with 15 years of experience in medical school teaching and research. Particularly immunology and mycology. Desires position in innovative program. Box 81, SCIENCE.

Neurochemist, Bioorganic Chemist, Ph.D. Research experience in biogenic amines, cyclic AMP, adenyl cyclase, neurochemical determinations. Strong background in biophysical techniques and organic chemistry. Desires teaching or research position. Box 88, SCIENCE.

Neurochemist: Additive drug effects on CNS and the neurochemical basis of psychoses. Publications. Seeks a research-oriented position. Box 89, SCIENCE.


Neurophysiologist, Ph.D., 1971. Two years of college teaching, organizational biology. Desires teaching or research. Dr. Robert Tarr, Department of Biology, Bard College, Annandale-on-Hudson, N.Y.

Pathologist, D.V.M., Ph.D., Board certification, Teaching, diagnostic, and research experience. Box 91, SCIENCE.

Ph.D. in physiological psychology with postdoctoral research experience in electrophysiology, seeks position with opportunity for research. Box 92, SCIENCE.

Ph.D. candidate (medical virology), enjoys motivating and working with students, seeks teaching position in microbiology. Lecture experience and broad science background. Available 1 June 1973. Box 93, SCIENCE.

Ph.D. Physicist, Fellow Phys. Soc., with fine research accomplishments (experiential). Teaching experience at university level. At present with major industrial laboratory. Seeks position with 4-year college where he can participate in, up to, or set up research-oriented physics program. Seeks management experience Box 67, SCIENCE. 3/2, 9, 16, 23, 30: 4/6.


Savant's H.V. Electro-phoresis System

- The tank may be placed in a hood or cage while the power supply is safely operated outside.
- A choice of 3 POWER SUPPLIES—3,000 volts, 5,000 volts or 8,000 volts.
- Economical—since it offers the researcher VERSATILITY, RELIABILITY AND RESOLUTION.
- Complete interchangeability with Flat Plates.

Savant HVE Systems are "PROVEN" in over one thousand laboratories around the world. Request catalog #73. SAFETY INSTALLATION. For sound ideas on this subject, please call us.

Savant Instruments, Inc.
221 Park Avenue Hicksville, N.Y. 11801
(516) 935-8774

Circle No. 86 on Readers' Service Cord
**Physiologist**, Ph.D., 1971; publications in cardiovascular physiology and pharmacology; degree challenging academic/research position in United States or Canada. Box 99, SCIENCE.

**Plant Ecologist**, Ph.D. plus 1 year teaching, 3 years of research experience, seeks university teaching/research work in city under 200,000 population. Special training: mathematics, computing, plant systematics, atmospheric physics, systems models, agricultural meteorology; vegetation; Box 94, SCIENCE.

**Plant Physiologist/Biologist**, Ph.D. Seven years of experience; publications. Teaching interest, botany (general, physiological, ecological, developmental), general biology. Research interest in cytotherapy. Seeks academic or industrial position immediately or September 1973. Box 95, SCIENE.


**Sensory Psychologist**, 30, with specialization in psychoacoustics and auditory physiology. Ph.D. position. Publications. Seeks research and/or teaching position in university, hospital, or industry for fall 1973. Box 102, SCIENE.

**Virologist/Immunologist**, D.V.M., Ph.D. (1972). Viral immunology, biometrical applications in infection and immunity, tissue culture. Postdoctoral teaching/research experience. Seeks position with university or industry, research emphasis. Box 103, SCIENE.


We have an immediate opening for Ph.D. with experience in cardiovascular pharmacology or physiology to assume leadership of a program of cardiovascular research.

Our modern research laboratories are located in the lovely Princeton, N.J. area.

**CARDIOVASCULAR PHARMACOLOGIST**

**PHYSIOLOGIST**

Salary will be commensurate with experience

Please send résumé in strict confidence to:

Mr. Charles Newman, Employment Manager

CARTER-WALLACE, Inc.

Cranbury, New Jersey 08512

An equal opportunity employer m/f.

The MAX-PLANCK-GESELLSCHAFT
zur Foerderung der Wissenschaften e. V.

has arranged a group project involving the utilization of haploid cells from the products of meiosis (Gonen) and the production of haploid plants which would be useful in plant breeding.

The group will be located at the Max-Planck-Institute for Plant Genetics in Rosenhof near D 6802 Ladenburg/Heidelberg. Such a group will initially consist of a research scientist with five technical assistants. The laboratory facilities, climate chamber, greenhouse and workshop of the Institute are partially at the disposal of this group.

A common program should consisting of geneticists, plant breeders and plant biochemists control and should be focused on the research topics. The ultimate goal would be the application of this work to plant breeding. This project is limited to a five year period. Payment according to group la of the Bundes-Angestellten-entertainvertrag (BAT). Candidates should possess knowledge and practical experience with plant cell and tissue culture.

Applicants should address to the chairman of the committee:

Professor G. Melchers, Max-Planck-Institut fur Biologie

D 74 Tubingen, Corrensstr. 41

**ASSISTANT PROFESSOR**

Ph.D. or M.D., one or more years of postdoctoral research experience in transport, cellular, or somatic tissues (e.g., adrenal medulla, vertebral cartilage, three references) to: Chairman, Faculty Recruitment Committee, Department of Physiology and Biophysics, West Virginia University Medical Center, Morgantown, W. Va. 26506

**Equal Opportunity Employer**

**ASSISTANT PROFESSOR/INSTRUCTOR POSITION; POSTDOCTORAL TEACHING FELLOWSHIP**

Both available September 1973. Assistant Professor rank requires Ph.D. Responsibility to coordinate freshman level courses per year 200 students annually. The Postdoctoral Teaching Fellowship requires Ph.D. Successful applicant must demonstrate excellence in teaching. Appointment may be renewed for second year. Send complete application including curriculum vitae, transcripts, and three letters of reference to: Dr. John O. Corliss, Department of Zoology, 282 Upham Hall, University of Kentucky, Oxford, Ohio 45056.

An Equal Opportunity Employer

Individuals may obtain the current list of all available faculty and administrative academic positions at the University of Minnesota (a multi-campus institution) by contacting Nancy Groves, Academic Administration, University of Minnesota, suit, 301 Morrill Hall, Minneapolis, Minnesota 55455 (612-973-2103). Inquiries from foreign countries welcome. Applications from non-US citizens are encouraged. Equal Opportunity Employer. Inquiries from minorities and women are especially encouraged.

**CELLULAR PHYSIOLOGIST**

Department of Zoology, University of Maryland at College Park, needs to strengthen its teaching programs in physiology. Applicants should be qualified to teach both a graduate course emphasizing the mechanistic approach to cellular physiology and an undergraduate course in vertebrate organ physiology. Excellent faculty research facilities available. Salary and rank negotiable. Submit curriculum vitae before 1 March 1973 to: Dr. John O. Corliss, Chairman.

An Equal Opportunity Employer

**DEPARTMENT OF BIOLOGY, AMERICAN UNIVERSITY OF BEIRUT**

Applications to the following positions are invited for September 1973. Research fellowships are available for one or more years. These would be the Ph.D. equivalent of postdoctoral training in university laboratories. Research interests in either general ecology, plant phylogeny, plant physiological ecology, or animal physiology. An equal opportunity institution.

Applicants should address their requests to: Dr. Philip F. Baab, Chairman, Department of Biology, American University of Beirut, Beirut, Lebanon, with application copies to Personnel Services, American University of Beirut, 365 East 45 Street, New York 10017.

**FACULTY OPENINGS**

**DEPARTMENT OF BIOLOGY**

**UNIVERSITY OF PITTSBURGH**

Applications are invited for faculty positions with a focus in several areas of specialization. Successful applicants will be expected to assume responsibilities in undergraduate and graduate education and to develop their own research program. Salary and rank will be commensurate with experience, qualifications, and responsibilities. Applications will be considered for the positions of Assistant, Associate, or Full Professor. Inquiries should be directed to Dr. Samuel C. Brown, Chairman, Department of Biology, University of Pittsburgh, Pittsburgh, Pa. 15260.

The University of Pittsburgh has an Affirmative Action Program, which includes the recruitment of women and minorities.

**DEVELOPMENTAL BIOLOGIST**

Excellent opportunity for a Ph.D. with experience in research in developmental biology and a demonstrated ability to participate in research in state and federal projects. Potential exists for a faster promotion in a joint appointment in the Department of Zoology and the Biomedical Research Center. This position is limited to a five year period. Payment according to group La of the Bundes-Angestelltenentertainvertrag (BAT). Candidates should possess knowledge and practical experience with plant cell and tissue culture.

Applicants should address to the chairman of the committee:

Professor G. Melchers, Max-Planck-Institut fur Biologie

D 74 Tubingen, Corrensstr. 41

**UNIVERSITY OF TORONTO**

Applications are invited for the position of ASSISTANT PROFESSOR OF ZOOLOGY in the field of freshwater animal ecology. The Department is engaged in current projects directed toward field experiments and has combined interests in limnological, ichthyological, and systematic variables and in quantitative modeling. The position will be available for the 1973-74 academic year at the Erindale College Campus from 1 July 1973.

Salary by negotiation (minimum $11,500). Applications which should be sent to the Chair of the Selection Committee, Professor B. I. E. Stock, School of Biological Sciences, University of Toronto, Erindale College, Clarkson, Ontario, Canada. Candidates should arrange for three letters of reference to be sent to the same address. Closing date 17 March 1973.

**DEPARTMENT OF BIOLOGY, AMERICAN UNIVERSITY OF BEIRUT**

Applications to the following positions are invited for September 1973. Research fellowships are available for one or more years. These would be the Ph.D. equivalent of postdoctoral training in university laboratories. Research interests in either general ecology, plant phylogeny, plant physiological ecology, or animal physiology. An equal opportunity institution.

Applicants should address their requests to: Dr. Philip F. Baab, Chairman, Department of Biology, American University of Beirut, Beirut, Lebanon, with application copies to Personnel Services, American University of Beirut, 365 East 45 Street, New York 10017.

**FACULTY OPENINGS**

**DEPARTMENT OF BIOLOGY**

**UNIVERSITY OF PITTSBURGH**

Applications are invited for faculty positions with a focus in several areas of specialization. Successful applicants will be expected to assume responsibilities in undergraduate and graduate education and to develop their own research program. Salary and rank will be commensurate with experience, qualifications, and responsibilities. Applications will be considered for the positions of Assistant, Associate, or Full Professor. Inquiries should be directed to Dr. Samuel C. Brown, Chairman, Department of Biology, University of Pittsburgh, Pittsburgh, Pa. 15260.

The University of Pittsburgh has an Affirmative Action Program, which includes the recruitment of women and minorities.

**DEVELOPMENTAL BIOLOGIST**

The University of Minnesota, Morris (an undergraduate Liberal Arts college with less than 2000 students), offers a developmental biologist with a broad background. The person asked to join us will be expected to participate in the General Biology course, an Environmental Biology course and a course in another area of that person's special interests. Salary will be good. Appointment will be as Assistant Professor and may be renewed. The position is available in September of 1973 and interested persons are asked to submit a written statement of interest to the Search Committee, Division of Science and Mathematics, University of Minnesota, Morris—Morris, Minnesota 56267. The University of Minnesota is an equal opportunity employer. Applications from women and members of minority groups are invited.
DEAN OF SCIENCE AND ENGINEERING

Teaneck Campus. Qualifications: Earned Doctorate in Science or Engineering, substantial administrative and teaching experience, salary open. Submit resume to: Dr. Peter Walsh, Search Committee, Fairleigh Dickinson University, Teaneck, N.J. 07666.

DIRECTOR OF A FRESHWATER BIOLOGICAL RESEARCH INSTITUTE

Successful candidate must have a Ph.D. in some aspect of the biological sciences and 15 to 20 years of experience as a research scientist and teacher. The principal responsibility of the successful candidate will be to develop and manage a coherent, economically oriented, research and training program dealing with freshwater organisms and those factors that influence their nature and development.

Applications, including curriculum vitae, names of five references, and five publications, should be sent to Richard S. Caldecott, College of Biological Sciences, University of Minnesota, St. Paul 55101. An Equal Opportunity Employer.

GENETICIST

Genetics Department, University of California, Davis, seeks a Geneticist at assistant professor rank; Ph.D. required. Send curriculum vitae, reprints, and so forth, to Search Committee, Department of Genetics, University of California, Davis, California 95616. The University is an Equal Opportunity Employer.

INSTRUCTOR/ASSISTANT PROFESSOR

Position available in the Department of Internal Medicine, University of Michigan Medical Center. Candidate must have an M.D. in internal medicine, board qualified in clinical oncology, with demonstrated research ability, or interest in clinical oncology, preferably pharmacology of antitumor agents. Will function as an internist and clinical oncologist and will also have teaching responsibilities in the Medical School. Code 900N. Send resume to Box 105, SCIENCE, Anti-discriminatory Affirmative Action Employer.

Medical Writer

Our expanding Medical Communications Unit seeks to acquire the talent and knowledge of a seasoned Medical Writer capable of researching, developing, writing and editing scientific reports in various formats, including exhibits, reviews, monographs, and other technical documents. All candidates must have an M.A. or B.S. in a related discipline and perform substantial documentation of specifically related experience.

Very attractive career opportunity, offering compensation based upon experience and a comprehensive employee benefits program.

Interested, qualified writers are asked to submit resume, with salary requirements in full confidence to: Mr. C. R. Grappe, The Pharmaceuticals Division of CIBA-GEIGY Corporation, 556 Morris Avenue, Summit, New Jersey 07901. We are an equal opportunity employer/male and female.

CIBA-GEIGY

ASSISTANT PROFESSORS IN MICROBIOLOGY, IMMUNOLOGY, AND DEVELOPMENTAL BIOLOGY

A modern, well-equipped department, growing rapidly and located in a progressive mid-Atlantic state university, seeks applicants who have at least 2 years of postdoctoral experience, are committed to quality teaching, and have a proven ability to initiate and continue a vigorous research program. The position requires names of suggested referees, and a description of your research interests. Applications are especially invited from (but not limited to) women and minority groups. Box 106, SCIENCE.

NEUROCHEMISTRY

Postdoctoral Research Associate to assist in program dealing with effects of spinal cord trauma. Will be involved in (i) characterizing spinal cord myelin constituents, (ii) studying the disruption of the lipid-protein matrix following spinal cord trauma, and (iii) defining the role of myoinositol in this disruption. Position now available. Include resume and references to Dr. Seymour Joffe, University of Miami School of Medicine, Miami, Fl. 33109.

SIMON FRASER UNIVERSITY

Applications are invited for appointment as the rank of Full Professor, to teach and carry out research in Physical Biochemistry. Applications from Canadians wishing to return to Canada will be particularly welcome.

Curriculum vitae and the names of three referees to:

Dr. T. N. Bell (Chairman)
Chemistry Department
Simon Fraser University
Vancouver, B.C.

from whom further particulars may be obtained.

PHYSIOLOGIST

Assistant or Associate Professor of Physiology to start as early as 1973. No area of specialization is specified although special interest in respiratory research is desirable. Applicants should send curriculum vitae and names of three referees to: Dr. D. G. Sinclair, Department of Physiology, Queen's University, Kingston, Ontario, Canada.

Ph.D. PHYSIOLOGICAL ECOLOGIST

To teach Animal Ecology and one semester of a general zoology course; appointment at Assistant or level. Apply by November 1971. Send curriculum vitae and names of three referees to: Mr. A. Allen, Chairman, Zoology Department, University of Maine at Orono, Orono, Maine 04473.

An Equal Opportunity Employer

PROTEIN STRUCTURE-CRYSTALLOGRAPHY ASSISTANT PROFESSOR

Applications are sought for an anticipated position requiring a Ph.D. and postdoctoral training, with emphasis on the study of Protein Structure-Crystallography. The position is available September 1973. Research will be carried out in the area of the X-ray crystallography of proteins. The candidate should be willing to collaborate with other laboratories in the Protein Structure-Crystallography program at this laboratory. The candidate is expected to be able to perform at the highest level in his or her field.

The successful candidate will be expected to develop an independent research program on the structure of proteins and to be able to provide instruction in the methods of Protein Structure-Crystallography. The candidate is expected to be capable of working effectively with a minimum of supervision.

Applications should be accompanied by three letters of recommendation and should be addressed to Dr. E. T. Orme, Department of Molecular Biology, University of Wisconsin-Madison, Madison, Wisconsin 53706.

CIBA-GEIGY

RADIOIMMUNOASSAY TECHNOLOGY

ANTIBODY DEVELOPMENT, IODINATION, REAGENT PRODUCTION

Prime opportunity with rapid growth, young company specialized within the in vitro diagnostic test field.

Advanced degree in biochemistry or related science required. Individual must be thorough in knowledge of radiolabeled reagents and radioimmunoassay techniques and have high qualifications for a position in either Antibody Stimulation, OR Hormone Iodination and Immunoassay, OR Radioimmunoassay Production and Technology.

Must be quality-conscious individual possessing up-to-date, concentrated experience in the radioimmunoassay field. Individual must be creative and capable of attaining R&D results; must be productive and practical in discharging producing and management responsibilities.

Compensation and incentives relative to education, experience, creativity, problem solving abilities and other.

Forward RESPONSIVE resume or letter in complete confidence to:

M. S. McCAll, Vice President
NUCLEAR-MEDICAL LABORATORIES, INC.
P.O. Box 47884, Dallas, Texas 75247

Associate Technical Director for Materials Science and Head, Materials Department

$31,000-$36,000

The Naval Ship Research & Development Center is seeking a qualified scientist to direct the R&D program of its Material Department, located in Annapolis, Maryland. The Materials Department is the Navy's primary materials R&D facility for ships, submarines, and surface craft and serves as the Center's focal point for, and Navy and DOD major reference point, for knowledge of the technology and application of materials. The Department's mission is to originate, plan, and conduct materials development, test and evaluation studies in materials technology for the accomplishment of their missions. Areas of emphasis include both metallic and nonmetallic materials, and the technology for their fabrication and use, shipboard fire engineering, abatement, air contamination control, lubrication, ocean environment effects, and corrosion control.

As Head of the Materials Department he will be responsible for planning, directing, and reviewing the work of the Department. As Associate Technical Director, he has the responsibility for planning and formulating broad technical programs and missions in materials science and technology, negotiating new program assignments, and providing consultation in the fields to industry and other government agencies.

We are looking for applicants who have a Doctorate in Metallurgy or Materials Science or a related engineering field and who possess stature and recognition in the fields listed above.

This position carries a salary range from $31,000 through $36,000 per annum (dependent upon the qualifications of the person selected). The Center is located at Carderock, Maryland (12 miles northwest of downtown Washington, D.C.) and at Annapolis, Maryland (on the north shore of the Sever River, opposite the U.S. Naval Academy). The sites are approximately 50 miles apart.

Career Civil Service benefits apply.

Please submit resume and/or SF-171 (Application for Federal Employment) to:

NAVAL SHIP RESEARCH & DEVELOPMENT CENTER

Civilian Personnel Department
Code 712 (PA-S)
Bethesda, Maryland 20034

An Equal Opportunity Employer

23 FEBRUARY 1973

843
SCANNING ELECTRON MICROSCOPIST

Challenging growth position for Scientist to operate new SEM and interpret results for our Eastern client, world leader in its field. Includes specimen preparation, operation and maintenance of SEM, interpretation of results and preparation of reports.

Requirements: B.S. or M.S. degree with industry or academic experience with Scanning Electron Microscope. Also working knowledge of nondispersive X-ray analysis, transmission electron microscopy, and optical microscopy — including materials such as metals, polymers, ceramics, organics and inorganics.

Please send curriculum vitae and salary requirements in confidence to:

SAMPSON • NEILL ASSOCIATES INC
543 Valley Road
Upper Montclair, N.J. 07043
(201) 783-9600
First in Executive Search
For the Health Industries