(Continued from page 929)

RECENT DEATHS

Joseph P. Atkins, 64; chairman, broncho-esophagology department, University of Pennsylvania; 2 March.

Benjamin Barg, 41; chief, new technologies section, Office of Sciences and Technology, United Nations; 4 January.

Marston Bates, 67; professor emeritus of zoology, University of Michigan; 3 April.

Forrest F. Frazier, 89; professor emeritus of civil engineering, Kansas State University; 24 February.

Frank Fremont-Smith, 78; former president, World Federation for Mental Health; 27 February.

Frank E. E. Germann, 86; former professor of chemistry, University of Colorado; 27 February.

Reuben G. Gustavson, 81; former president, University of Colorado; 24 February.

Arthur T. Ippen, 66; Institute professor emeritus, Massachusetts Institute of Technology; 5 April.

Heber G. Ivins, 84; former chairman, animal husbandry department, Brigham Young University; 18 February.

Carlyle Jacobsen, 72; president emeritus, State University of New York Upstate Medical Center; 14 March.

Arthur J. M. Johnson, 74; professor emeritus of physics, Montana State University; 10 March.

Norman A. Korn, 44; professor of dentistry, University of Minnesota; 16

Kenneth M. Lynch, Jr., 56; chairman, urology department, Medical University of South Carolina; 10 February.

Frank T. McClure, 57; deputy director, Applied Physics Laboratory, Johns Hopkins University; 18 October.

Hugh Taylor, 84; former dean, Graduate School, Princeton University; 17 April.

William S. Tillett, 81; professor emeritus of medicine, School of Medicine, New York University; 4 April.

Henry R. Totten, 81; former professor of botany, University of North Carolina, Chapel Hill; 9 February.

Lester J. Unger, 85; former professor of clinical surgery, New York University; 8 April.

Georges A. Van Biesbroeck, 94; former research associate in astronomy, University of Arizona; 23 February.



You'll see exceptionally crisp, completely flat images. You'll see a superbly crafted Swiss instrument with large field diameters, ample working distance, and convenience like never before, plus stands for all requirements. Field diameter at 6x is 36.0mm; at 31x, 6.6mm. Total powerrange: 3xto 124x.

Photomicrography? Simply insert the phototube with trinocular head under the binocular and attach the 35mm magazine (shown in photo). Or use a Polaroid® Pack Adapter. Select depth of field with built in double iris diaphragm, focus, observe and take your photo.

Wild M-7A Zoom Stereomicroscope. Look into it.



Write or call for Brochure M-7A.

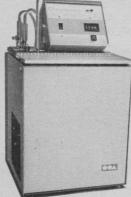
WILD HEERBRUGG INSTRUMENTS, INC.

FARMINGDALE, NEW YORK 11735 • 516-293-7400

WILD OF CANADA, 881 LADY ELLEN PLACE, OTTAWA 3, CANADA

WILD OF MEXICO, S. A. LONDRES 256, MEXICO 6, D. F.

New Temptrol Model 254



Save time in temperature selection and sample cell equilibration . . and get added capacity, too!

Simply dial the four place digital set temperature control to within 0.1°C, and when the pilot lamp begins pulsing, it lets you know the correct temperature is being maintained. It's a quick, one-time setting that you can set and forget. Operating range as bath or circulating system is -15° to $+150^{\circ}$ C, sensitivity is ± 0.012 at 20° C. Bath volume is 2^{34} gallons and pumping capacity is 260 GPH; circulates up to 15 foot head. More than enough pressure to locate circulator remotely from the test instrument, or even stabilize several test instruments simultaneously. Temptrol Circulators have always been known for their versatility. Completely redesigned, they now bring you a new level of accuracy and ease of operation. Get all the facts from your GCA/Precision Scientific dealer or write to GCA/Precision Scientific dealer or write to GCA/Precision Scientific dealer or write to GCA/Precision Scientific dealer or principal cities.

Circle No. 488 on Readers' Service Card



Hellma—the largest assortment of highest precision glass and quartz cells.
Standard · Flow-through · Constant-temperature Anaerobic · Special Designs
Also available—ULTRAVIOLET LIGHT SOURCES Deuterium Lamps · Mercury Vapor Lamps Hollow Cathode Lamps · Power Supplies



Write for literature Box 544 Borough Hall Station Jamaica, New York 11424 Phone (212) 544-9534

Circle No. 46 on Readers' Service Card

New kind of "cultural evolution"?

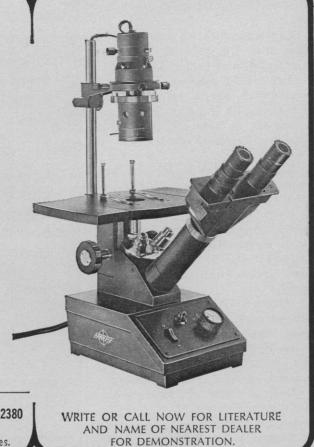
See it for yourself, in the excellent results obtained with the SWIFT M100 Tissue Culture Microscope, for advanced research in living cells and biological specimen. The down-to-earth practicality of this new inverted instrument is plainly evident in its erect, natural image; large, sturdy, extension stage; brilliant, variable intensity illumination; large nosepiece and smooth, precise focusing; angled 45° binocular or monocular heads with eyepoint 335mm above table surface for comfortable viewing; exceptionally fine optics. Easily adapted to phase contrast and/or polarizing microscopy by specific configuration or accessories.

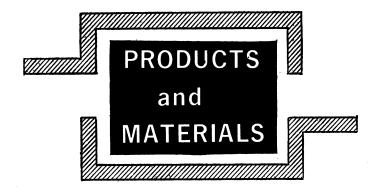


SWIFT INSTRUMENTS, INC.

Technical Instrument Division
P.O. BOX 562, SAN JOSE, CA 95106 • 408/293-2380
(MAIN OFFICE: Boston, MA)

SWIFT AGENCIES are located throughout the U.S. and in most foreign countries.





Coulometry System

The model 380 is a controlled potential coulometry system that is accurate to ± 0.1 percent and precise to within ± 0.02 percent. A digital coulometer measures in the range of from 10 picoequivalents to 10 equivalents in as little as 6 to 8 minutes. Potential is controlled by a potentiostat that can deliver up to 1 ampere at \pm 100 volts. A synchronous stirrer, a coulometry cell system, and other hardware and glassware complete this system. The standard electrode is a mercury pool, and a platinum pool working electrode is available. Princeton Applied Research Corporation. Circle No. 941 on Readers' Service Card.

Rotating Axis Protractor

The Rotangle (Fig. 1) draws or measures any angle to 360° and also functions as a parallel ruling device and variable right triangle. The circular protractor has degree measurements and the sine and cosine of every angle at 5° intervals. There is a ruled axis bar at 0° to 180° which rotates and is held within a square. The inner protractor and axis bar may be rotated with respect to a circular protractor scale printed on the square. The ruled axis bar indicates on an outer scale its angle with the top and bottom of the square. The device has applications in drafting, navigation, surveying, and mathematics. Labindustries. Circle No. 942 on Readers' Service Card.

Scanning Hygrometer

The Autoscan hygrometer measures moisture in air, gases, liquids, granular materials and in plants and other living tissues. It detects as little as 1 part water per million parts of air or other gas and measures relative humidity from 0 to 100 percent. Accuracy is from 1 part per million by volume

to ± 3 percent of full scale. Standard models monitor 4, 6, or 20 points sequentially and display the reading and identify the sensor. Dwell may be set for 5 minutes per point or more. Cosa Corporation. Circle No. 946 on Readers' Service Card.

Electron Capture Detector

The model 140 permits continuous linear measurements of many electroncapturing substances over a five-decade range; for certain compounds, such as SF₆, the linear range is as large as six decades. It is adaptable to any gas chromatograph. The model 140 operates in a patented variable frequency pulsed mode. The feedback-controlled detector provides a pulsed output signal whose frequency change is proportional to the concentration of the gas being measured and a d-c output voltage proportional to the differential pulse repetition frequency. The d-c output will drive recorders or meters and the frequency output will drive counters. This system eliminates calibration for nonlinearity and the need to reduce sensitivity by commutating excitation frequencies normally required by conventional detectors with limited ranges. Thus, uninterrupted stable gas analyses

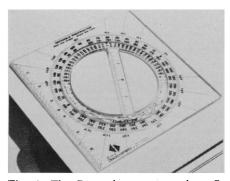


Fig. 1. The Rotangle protractor is a 7-inch square with a rotating scale and axis bar for measuring or drawing angles and determining geometric functions.

may be obtained with a single measurement. Analog Technology Corporation. Circle No. 943 on Readers' Service Card

Electronic Planimeter

This device makes rapid, error-free measurements of area on objects or representations such as aerial photographs, maps, and so forth. Features include a five-digit readout, choice of lens or needle tracer, instant zero reset and a memory to accumulate areas. It operates on standard electric current and comes in a fitted case with instructions. Stratex Instrument Company, Incorporated. Circle No. 944 on Readers' Service Card.

Suture for Eye Surgery

Dexon is a synthetic absorbable suture for extraocular eye surgery. Dexon sutures greatly reduce the chance of granuloma formation and tissue reaction, and minimize the formation of scar tissue. The material is polyglycolic acid which is readily absorbed and easy to handle. Dexon ophthalmic sutures are available on needles in sizes from 4/0 to 6/0. Lederle Laboratories, Davis and Geck Department. Circle No. 945 on Readers' Service Card.

Literature

FlexiFile 52 Flexible Disk System describes a dual disk drive memory system with 524,288 8-bit bytes in a 16-sector, 64-track format. Tri-Data Corporation. Circle No. 949 on Readers' Service Card.

Microtiter Bibliography includes over 1200 references to research results obtained with the Microtiter System or its components. Cooke Laboratory Products. Circle No. 947 on Readers' Service Card.

Koch Isotopes lists approximately 100 compounds labeled with stable isotopes. Koch Isotopes Incorporated. Circle No. 948 on Readers' Service Card.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics and availability of products and materials. Endorsement by Science or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card (see pages 890A and 978C) and placing it in the mailbox. Postage is free.—RICHARD G. SOMMER



This section is designed to provide Science readers with a rapid means of ordering the books advertised below. In order to obtain a 10-day free trial copy of any book listed, circle the number appearing below it on the Readers' Service Card (pages 890A and 978C). All publishers represented reserve the right to bill for books not returned within 10 days after receipt.

THE LIVER: Normal and Abnormal Functions, Part A (Biochemistry of Disease Series, Volume 5), edited by Frederick F. Becker
A unique work dealing comprehensively with normal liver functions, alterations in these functions as imposed by injurious challenges, and the host's response to these alterations. Particular attention is focused on the liver's endocrine, exocrine, and regulatory functions, and the organ's relationship to the host at large. 1974. 544 pages. Price to be announced.

Circle No. 566 on Readers' Service Card

INSECT DISEASES, Volume I, edited by George

E. Cantwell
A cogent introduction to insect pathology, covering such areas as diagnoses of a variety of diseases and examinations of microbial diseases caused by viruses, rickettsiae, bacteria, fungi, protozoans, and nematodes. Symbiotic relationships and amicrobial pathologies are also discussed in this valuable reference work and textbook. 1974, 336 pages. \$24.50.

Circle No. 567 on Readers' Service Card

THE ANATOMY OF CENSORSHIP, by Jay E.

Daily It's always with us, in one form or another. Some call it suppression; some call it protection. Whatever you call it—whether you are a scientist, politician, or an occasional peruser of an "X-rated" film—censorship is one subject whose history and trends affect you. 1974, 424 pages. \$13.75.

Circle No. 568 on Readers' Service Card

Circle No. 568 on Readers' Service Card

READING THE RUSSIAN LANGUAGE: A

Guide for Librarians and Other Professionals,
by Rosalind Kent

Language barriers are no friends to the scientists.
By concentrating on key terms and essential rules,
this unique new book provides a quick mastery of
basic Russian. Expand the horizons of your research by exploring the vast body of Russian scientific and technical literature. 1974, 248 pages.

\$13.75.

Circle No. 569 on Readers' Service Card

Circle No. 569 on Readers' Service Card

THE AMERICAN JOURNAL OF DRUG AND ALCOHOL ABUSE, edited by Edward Kaufman This new, medically-oriented journal provides an exciting forum of ideas for the many disciplines involved in our knowledge of drug and alcohol abuse. Articles deal not only with pre-clinical and clinical facets of the problem, but with such topics as funding sources, criminal laws, and self-help techniques as well. Four issues per volume.

Circle No. 570 on Readers' Service Card



MARCEL DEKKER, INC. 270 Madison Avenue New York, N.Y. 10016

A FOCAL PRIMER 2nd Ed. with Chapters on BASIC and FORTRAN IV with WATFOR. Howard C. Howland.

Howard C. Howland.

An introduction to a popular and powerful interactive computing language suitable for self study or classroom use at introductory college level. Topics include flow charting, debugging, direct computation, and arrays, illustrated with sample programs and exercises. Appendices on commands, error codes, and functions make the boad a useful reference manual. Published by Algebraic Languages, Box 113, Ithaca, N.Y. 14850; 1972, 103 pp., \$2.75.

To order this book

To order this book Circle No. 546 on Readers' Service Card

SCIENCE AND ANTI-SCIENCE by Morris Goran

by Morris Goran
This unusual presentation by a distinguished author describes the conflicts, myths, surprises and misleading data in science. Discusses the antiscience movement, agencies that harass science and scientists and struggles within the scientific enterprise. Valuable to working scientists, teachers, engineers and for students in Philosophy of Science and Science & Society courses. Replete with examples and personalities. Published by ANN ARBOR SCIENCE Publishers, Inc. 1974, 138 pages, \$10.00.

To order this book

To order this book
Circle No. 542 on Readers' Service Card

New 25th Edition!

DORLAND'S ILLUSTRATED

MEDICAL DICTIONARY

A basic reference for anyone in the life sciences—teacher, researcher, or student. Its 119,000-plus entries have been carefully reviewed for accuracy and timeliness, and over 14,000 are new to this edition. Published June 1974, 1748 pages, 52 plates, thumb-indexed, \$21.50. Published by W. B. Saunders Co., West Washington Square, Philadelphia, Pa. 19105.

To order this book

Circle No. 506 on Readers' Service Card

Elementary Probability Theory with Stochastic

Processes
By Kai Lai Chung
This is an introductory text that builds a balanced program for basic study on probability theory and its applications. In a concise manner basic concepts of probability measure, random variable, distribution, and expectation are fully explored without technical complications, thereby making the book useful not only to mathematics majors but also to students in engineering and the physical, biological, and social sciences.
Undergraduate Texts in Mathematics, 1974, 336 pp., cloth \$12.00. Published by Springer-Verlag, New York Inc., 175 Fifth Avenue, New York, N.Y. 10010.

To order this book

To order this book
Circle No. 180 on Readers' Service Card

JOURNAL OF HOMOSEXUALITY

JOURNAL OF HOMOSEXUALITY

Editor: Charles Silverstein, Director, Institute for Human Identity, New York

Edited by leading specialists from psychology, sociology, anthropology, and medicine, this is the only professional journal covering empirical research on homosexuality and gender identity. Studies range from social anthropology to psychoendocrinology. Average of 8 articles per issue, also includes book reviews and annotations from periodic search of over 1,200 other journals. Quarterly, \$12.00 individuals, \$25.00 institutions. Haworth Press, 130 West 72nd St., New York, N.Y. 10023.

To order this book

To order this book Circle No. 564 on Readers' Service Card

To order this book
Circle No. 564 on Reeders' Service Card

Dynamics of Health and Disease by Carter L. Marshall and David Pearson. An introduction to the complex spectrum of human health and disease and the ways in which society organizes to deliver health care services. It is written for the reader with little or no background in the health sciences, and technical terms are defined at the bottom of each page. Physical, mental, social, and economic aspects of health care are discussed, and the volume is replete with historical and contemporary illustrations from all over the world. 458 pages, illustrated, \$9.25.

To order this book
Circle No. 524 on Readers' Service Card
Medicine in the Ghetto, edited by John C. Norman. One of the most heated issues of the day is how to bring adequate health care to everyone, including those individuals confined by social, economic, and cultural forces to isolation in the ghettos of our large, urban centers. Outstanding health care professionals, educators, community leaders, public officials, and journalists attempt to come to grips with the variety of problems afflicting health care delivery in the ghettos and describe plans and prospects for its improvement. 333 pages, \$7.30.

To order this book
Circle No. 525 on Reeders' Service Card
Basic Psychiatry by James L. Mathis, Chester M. Pierce, and Vladimir Pishkin. An essential book for anyone wishing to understand the concepts and terminology of contemporary psychiatry. Written by three outstanding psychiatrists, the book uses a programmed format, for rapid comprehension. Part I is a guide to important syndromes, such as alcoholism, drug dependency, and schizophrenia, and the final section provides a review of the concepts discussed in Part II. 143 pages, paperbound, \$7.30.

To order this book
Circle No. 526 on Readers' Service Card
The Ego and Its Defenses by Dr. Henry P. Laughlin is one of the most competent studies today, on various methods of human psychological defenses. Its orientation is constantly clinical, dynamic, an

APPLETON-CENTURY-CROFTS
MEDICAL/NURSING PUBLISHERS
202 MADISON AVENUE, NEW YORK, NY, 10017
PUBLISHERS FOR THE IDEALTH PROFESSIONS SINCE 1826

To order this book Circle No. 527 on Readers' Service Card

DNA SYNTHESIS by ARTHUR KORNBERG. Written by a Nobel Laureate in medicine, this is the first comprehensive treatment of DNA synthesis emphasizing its biochemical aspects and recent developments. DNA Synthesis contains discussions of the structure and function of DNA, its precursors, enzymology, repair, recombination, restriction, transcription, and the synthesis of genes. The book includes an extensive, up-to-date bibliography, many figures in color, and electron micrographs. W. H. Freeman and Company, 660 Market Street, San Francisco, California 94104. 1974, 399 pp., \$18.00.

To order this book

To order this book Circle No. 505 on Readers' Service Card

THE ART OF LEARNING MEDICINE
by May H. Lesser
This is a unique gift for your favorite physician,
it is a magnificent graphic description of the
experience of medical school, showing the feeling
and experience of those participating in it. This
document is a combination of biography, autobiography, and art exhibit, that provides a viewpoint of medical education. It is carefully detailed
by over 300 four color and black and white
illustrations. 1974, 343 pp., illus. \$38.50. AppletonCentury-Crofts, 292 Madison Avenue, New York,
N.Y. 10017.

To order this book
Circle No. 181 on Readers' Service Card

ELECTROGRAPHY AND ASTRONOMICAL APPLICATIONS, edited by Guido L. Chincarini, Paul J. Griboval, Harlan J. Smith.

Topics covered include instrumentation, reduction techniques, astronomical applications (spectroscopy—photometry). Complete summary of the current state of the art of electrographic detectors and of their most recent applications to astronomical research. Distributed by University of Texas Press. 1974, 364 pp., paper \$5.50, cloth \$11.00.

To order this book
Circle No. 551 on Readers' Service Card

THE ROLE OF IMMUNOLOGICAL FACTORS IN VIRAL AND ONCOGENIC PROCESSES: 7th Miles International Symposium, Edited by Roland F, Beers, Jr., R. Carmichael Tilghman. and Edward G. Bassett. Experts from nine different countries here analyze the immunological factors associated with viral and oncogenic processes to foster a pleuralistic approach to the attack against cancer. Supplement 3 of The Johns Hopkins Medical Journal. 600 pp. The Johns Hopkins University Press, Baltimore, Md. 21218. Md. 21218

To order this book
Circle No. 324 on Readers' Service Card

REPRINTS JUST RELEASED

H. J. Dittmer: PHYLOGENY AND FORM IN THE PLANT KINGDOM, 672 pp., \$17.50. A. S. Foster: PRACTICAL PLANT ANATOMY, 228 pp., \$9.50. D. M. Green and J. A. Swets: SIGNAL DETECTION THEORY AND PSYCHOPHYSICS, 455 pp., \$18.00. E. B. Hunt: CONCEPT LEARNING, 286 pp., \$11.50.

Beach: SEX AND BEHAVIOR, 614 pp.,

H. Allen: MAY'S MANUAL OF DISEASES
THE EYE, 440 pp., \$15.95.

Kreiger Publishing Co., Inc. P.O. Box 542, Huntington, N.Y. 11743

To order this book Circle No. 520 on Readers' Service Card

Cy A. Adler:

ECOLOGICAL FANTASIES

DEATH FROM FALLING WATERMELONS

"... effectively pricks some overblown enviro-balloons." (Library Journal); "... long overdue ..., the book should be read and taught." (J. Amer. Water Wks.); "... humorous but serious look at persistent environmental myth." (Environ-mental Science & Technology)

A DEFENSE OF INNOVATION science & rational approaches to environmental problems.

350 Pages \$9.95

GREEN EAGLE PRESS
99 Nassau St., New York City 10038
To order this book
Circle No. 467 on Readers' Service Card

New From California

EXPLORING DATA ANALYSIS

The Computer Revolution in Statistics
Edited by W. J. Dixon and W. L. Nicholson.
The physical mechanisms involved in generating
data for analyses are discussed in essays by
James Dickey, Judy Walrath, J. A. Hartigan,
Louis Jaeckel, John Gabbe, M. R. Mickey, H.
R. Lucas, F. B. Cady, Richard Kronmal, Michael
Tarter, R. L. Anderson, D, M. Allen and D. C.
Martin. 427 pages, charts, \$10.00.

To order this book
Circle No. 581 on Readers' Service Cord



Our new 32 page Catalog illustrated in full color gives you all the data you need to order Ohaus Precision Balances and Weights for Science and Industry. Plus our handy Balance Selector. Send for your copy of our new FREE Catalog today!

OHAUS

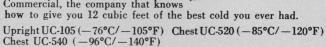
Ohaus Scale Corporation 29 Hanover Road Florham Park, New Jersey 07932 201-377-9000

The Measurement People.

Circle No. 432 on Readers' Service Card

-76°C Ultra-Cold. -96°C Ultra-Colder.

Both from Kelvinator Commercial. Upright drops to -76°C. Ultra-cold. Chest model dips to -96°C. Ultra-colder. Upright's six French doors open individually. And you can label each door to know what's inside. Easy labeling for what's under the chest's stainless steel sliding lids, too. Want more? Automatic alarm systems? 2" portholes for recorders? The Kelvinator Commercial name? You got them. Don't be caught in the cold without ultra-cold. Contact J. E. Hirssig at Kelvinator Commercial, the company that knows





Kelvinator

621 Quay Street • Manitowoc, Wisc. 54220 • (414) 682-0156

One of the White Consolidated Industries



Circle No. 258 on Readers' Service Card

The Physical World

For the graduate physicist and other scientists . . .

The AAAS is pleased to announce the availability of a new audiotape series on modern developments in physics. Selected from presentations at the 14th General Assembly of the International Union of Pure and Applied Physics (IUPAP), the six lectures on audiocassettes are packaged together in an attractive album, accompanied by a booklet containing reproductions of many of the slides used by the speakers. The Physical World was produced by AAAS with the cooperation of IUPAP.

OPTICS

G. Toraldo di Francia, The University of Florence

ASTROPHYSICS

Fred Hoyle, The University of Manchester

SPECTROSCOPY AND MOLECULAR STRUCTURE

Gerhard Herzberg, National Research Council of Canada

SOLID STATE PHYSICS: ACCOMPLISHMENTS AND FUTURE PROSPECTS

John Bardeen, The University of Illinois

THE MANY FACETS OF THE NUCLEAR STRUCTURE

Aage Bohr, Niels Bohr Institute

PHYSICS AND SOCIETY Hendrik Casimir, Philips Industries

Bohr Casimir Herzberg Bardeen Hoyle ToraldodiFrancia

Please send me Physical World at AAAS members).	albums of The t \$69.95 each (\$64.95 for
_ check enclosed	d please bill me
(Member orders nemittance.)	must be accompanied by
Name	
Address	
City	
State	Zip
Send to:	
American Asso	ciation for the
210	
Dept. P.W. 1515 Massachusetts Avenue, N.W.	

Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

POSITION 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.

tising.

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 quarter 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 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005
to blind ads should be addressed

Replies to I

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

POSITIONS WANTED

Administrative Assistant, female, 18 years of extensive administrative and supervisory experience academic health sciences area wishes to relocate vicinity of Washington, D.C., or Boston. Box 410, SCIENCE.

Biochemist, Ph.D. Desires research position. Publications. Strong background in lipids, metabolisms, enzymology, and bacteriology. Box 411, SCIENCE.

Biochemist/Enzymologist/Immunologist, Ph.D. Publications. Experience in isolation and characterization of glycoproteins, enzymes and antigens, membranes, affinity chromatography, radioimmunoassay. Some teaching experience. Seeks academic or industrial position. Box 412.

Cancer Research, M.D., Ph.D. Experimental approaches to cancer directed toward clinical uses. Main interests: immunology, chemotherapy, surgery, radiobiology, and isotopes. Broad cancer research, teaching, and administrative experience. Numerous publications. Box 413, SCIENCE. 9/27; 10/11

Cellular Immunologist, Ph.D. Returning from European leave. Seeks tenured faculty/research position. Numerous publications. References. Box 418, SCIENCE. X

Chemical-Biochemical Pharmacologist, Medicinal Chemistry Ph.D. 1968, smooth muscle pharmacology, research and teaching experience, catecholamines, spectroscopy, analytical methods, enzymology. Box 414, SCIENCE.

Clinical Psychologist. M.S. plus 30 semester hours, VA internship, 20 years of experience—mostly outpatient, including supervisory and administrative. Basically a clinician, Ohio licensure. A Pied Piper with children and adolescents. Present salary \$16,000. Prefer Ohio or nearby. Thirty days. Box 405, SCIENCE. 9/13

Medical Microbiologist/Immunologist, Ph.D. 1970. Five years of university teaching, 3 years hospital diagnostic, 15 months postdoctoral research in immunology. Seeks teaching/research/clinical/ training. No geographical restrictions. Available immediately. Box 415, SCIENCE. X

Ph.D.-Medical Microbiologist—Immunologist, Five years of industrial experience in diagnostic product development from idea conception through licensed kit. Responsible for quality control as well as production control. Box 416, SCIENCE.

Pulmonary Pharmacologist/Cell Biologist. Ph.D. 1969. Publications. Postdoctoral fellowship in immunopharmacology. Three years of industrial experience establishing models of human lung disease. Desires research/teaching position. Box 417, SCIENCE.

POSITIONS WANTED

Biochemist (38), several years research experience. Twenty publications. Seeks research/development position. Experience in protein isolation and characterization, peptide hormones, anti-inflammation and thrombosis, enzymes. Box 419, SCIENCE. X

POSITIONS OPEN

AEROSOL RESEARCH

The Naval Biomedical Research Laboratory of the School of Public Health, University of California, Berkeley, has an immediate opening for an Assistant Research Physicist (\$12,000 to \$16,000). Will participate in advanced research studies on particulate air pollutants and aerobiology as related to public health and industrial aspects of respiratory diseases. Specific research areas can include: Study of aerosol characteristics and interactions with vapor phase pollutants, kinetics of chemical and biological reactions in aerosols, effects of aerosol particle size on toxic effects. A Ph.D. or equivalent in particle physics, physical chemistry, microbiology or meteorology is required. Send curriculum vitae to: Chairman, Environmental Biology Department, Naval Biomedical Research Laboratory, Naval Supply Center, Oakland, California 94625.

ANATOMIST. A position (Assistant or Associate Professor) will be available for a gross anatomist with additional expertise in embryology, to participate in the teaching of medical students in these areas. Applicants must have a Ph.D. or M.D. degree, teaching skills of high caliber, and proven productivity in research. Send applications with curriculum vitae and names of three references to: N. A. Halasz, M.D., Head, Division of Anatomy, University of California, San Diego, School of Medicine, 225 West Dickinson St., San Diego, California 92103. UCSD is an affirmative action/equal opportunity employer.

DEPARTMENT OF ANATOMY
MICHIGAN STATE UNIVERSITY
Applications are invited for faculty positions to teach human or veterinary gross anatomy and to conduct research. Competitive applicants with a Ph.D. degree will have evidence of outstanding accomplishments in research and a commitment to effective teaching. Applicants with the D.V.M., D.O., or M.D. degree should have a commitment to a combined teaching and research career. Title and salary can be discussed relative to qualifications. Qualified applicants should send curriculum vitae to: Dr. Bruce E. Walker, Chairman, Department of Anatomy, Michigan State University, East Lausing, Michigan 48824.
Michigan State University is an equal opportunity, affirmative action employer.

ASSISTANT PROFESSOR OF ANATOMY

An anatomist Ph.D. and/or M.D. with predoctoral experience in an anatomical sciences training program and 2 to 3 years of postdoctoral experience in cell biology research. Must be interested in independent and/or collaborative research in cell biology, and teaching microscopic and developmental anatomy in integrated programs for medical and graduate students. Salary will depend on qualifications. Apply to Dr. G. Gordon Robertson, Department of Anatomy, University of Tennessee Center for the Health Sciences, 875 Monroe Ave., Memphis, Tennessee 38163.

Equal Opportunity/Affirmative Action Employer

ASSISTANT RESEARCH SCIENTIST IN IMMUNOLOGY. Full-time position for Ph.D. to direct modern immunology laboratory in multidisciplinary environment and develop research program in the immunopathological mechanisms of dental caries or periodontal disease. Salary commensurate with preparation and experience. Send résumé including publications and names of references to: Dr. Harald Löe, Director, The University of Michigan Dental Research Institute, Ann Arbor, Michigan 48104. A Nondiscriminating Affirmative Action Employer.

ASSOCIATE PROFESSOR OF GEOLOGY at the University of Connecticut, with specialty in marine geology and geochemistry, to develop and conduct significant research in marine sedimentology, advise M.S. and Ph.D. degree candidates, and teach undergraduate and graduate courses in geology. Minimum requirements include extensive experience as principal investigator on funded projects, a substantial publication record, and university teaching experience. Starting date is January or September 1975; academic year salary range \$17,000 to \$21,000; headquarters at the Marine Sciences Institute. The University of Connecticut is an equal opportunity employer. Send résumé to:

Director, Marine Sciences Institute
The University of Connecticut
Groton, Conn. 66340

POSITIONS OPEN

ANIMAL PSYCHOLOGIST (Ph.D.)

ANAMAL PSYCHOLOGIST (Ph.D.)

With experience in physiological techniques is sought by laboratory engaged in a program of concurrent investigation of neural and behavioral development in normal and experimentally treated rats. Responsibilities include supervision of the training of pre- and postdoctoral fellows in behavioral research. Send curriculum vitae and references to Dr. Joseph Altman, Department of Biological Sciences, Purdue University, West Lafayette, Indiana 47907.

An equal opportunity employer

ASSISTANT PROFESSOR OF
PHARMACOLOGY
Full-time position available 1 September 1974.
Ph.D. in Pharmacology plus strong postdoctoral biochemical experience.
Position includes teaching and research in Pharmacology. Apply to:
Dr. Edward A. Carr, Jr.
Department of Pharmacology
University of Louisville
Health Sciences Center
P.O. Box 1055
Louisville, Kentucky 40202

BIOLOGIST. Animal Physiologist: Ph.D. for a rapidly developing department in a new, fully equipped science building. Effective January 1975. Research space available but primary duty is the teaching of animal physiology, microbiology, and general biology. Applicants committed to quality undergraduate education should send detailed résumé to: Dr. Melvin J. Wentland, Chairman, Biology Department, St. John Fisher College, Rochester, New York 14618. An Equal Opportunity Employer.

BIOLOGY-BIOCHEMISTRY-ALLIED HEALTH

Faculty positions are available for the opening of the new campus of the University of Texas at San Antonio in the fall of 1975. Applicants are sought in most areas of biology and biochemistry including molecular genetics, cellular immunology, cell biology, neurobiology, biochemistry of membrane function, medical technology, and biology education. Applicants should have postdoctoral experience and must show strong accomplishments or potential in both research and teaching ments or potential in both research and teaching at the graduate and undergraduate levels. Rank and salary dependent upon qualifications and experience. Send curriculum vitae, most significant publications, and names of three references to: Director, Division of Allied Health and Life Sciences, The University of Texas at San Antonio, 4242 Piedras Drive East, San Antonio, Texas 78285. An Equal Opportunity/Affirmative Action Employer.

PROFESSORSHIP IN BIOLOGY

Applications are invited for the above position, which is to be filled as soon as possible after 1 November 1974. Candidates should have research interests in experimental biology covering the areas of both ecology and physiology. The professorship carries teaching responsibilities in experimental and environmental biology at the advanced level as well as involvement in the Institute's introductory biology courses, Applications together with reprints of relevant publications should be sent in triplicate to: Administration, Odense University, DK 5000, Denmark, Inquiries can be addressed to: dr. philos. Rolf Lange, Institute of Biology.

DIRECTOR, MARINE SCIENCE INSTITUTE

Joint faculty appointment between the institute and an established campus teaching department. Experience in the administration and development of scientific research programs essential. The successful applicant will be expected to develop and coordinate research programs in the marine and coastal zone environments. Rank open. Please submit curriculum vitae and three letters of recommendation to: Henry W. Offen, Associate Dean, Office of Research Development, University of California, Santa Barbara, California 93106. An Equal Opportunity and Affirmative Action Employer.

GENETICIST DEPARTMENT OF BIOLOGY

Applications are invited for a position at the Assistant Professor level effective 1 September 1975. Teaching responsibilities include participation in the undergraduate and graduate programs. Preference will be shown to individuals with a broad background in biology and postdoctoral experience. Development of an active research program in some phase of eukaryotic genetics will be required. Curriculum vitae and the names of three referees should be sent to Dr. P. Dennis Smith, Chairman of Search Committee, Department of Biology, Emory University, Atlanta, Georgia 30322, before 15 November 1974. An equal opportunity/affirmative action employer.

POSITIONS OPEN

BIOLOGIST

BIOLOGIST

A Program Director is wanted to be in charge of the North American Salmon Research Centre at St. Andrews, New Brunswick, Canada, and, in particular, of a study of the genetics and selective breeding of Atlantic salmon. Under a three-way contract the International Atlantic Salmon Foundation is financing the construction of a hatchery and rearing station in which initial multiple crosses of Atlantic salmon stocks are being made in the autumn of 1974. The administration of the program is by the Huntsman Marine Laboratory, its operational costs by the Canadian Government Fisheries and Marine Service. The scientific planning to date was by an eminent geneticist. Courses in aquaculture technology are planned in association with the salmon genetics program; provision is planned for ancillary research by scientists from universities or other agencies.

This unique and developing program is ex-

This unique and developing program is expected to contribute to the improvement of North American Atlantic salmon stocks. To direct it a biologist is wanted with broad interests and experience, especially in genetics, nutrition, disease, or other fields related to its objectives. Education should be at a doctoral level. Salary is negotiable in the range \$18,000 to \$24,000. Availability should be not later than 31 May 1975.

Applications, with curriculum vitae, should be sent to Dr. A. W. H. Needler, The Huntsman Marine Laboratory, St. Andrews, New Brunswick, Canada, and will be accepted to 1 October or until the position is filled.

UNIVERSITY OF SOUTH CAROLINA Chairmen of ANATOMY, BIOCHEMISTRY, AND PHYSIOLOGY

The University of South Carolina invites applications from, and nominations of, qualified individuals for the position of Chairman of the following departments:

Anatomy Biochemistry Physiology

Physiology
in its newly authorized MEDICAL SCHOOL which is to be established in affiliation with the Columbia Veterans Administration Hospital under the authority of the Veterans Administration Medical School Assistance and Health Manpower Training Act of 1972. Letters of application or nomination should include a curriculum vitae. Candidates should possess a medical degree and/or a doctoral degree in their specialty. The University of South Carolina is an equal opportunity/affirmative action employer. ployer.

Correspondence should be addressed to:

Dr. W. N. Adams-Smith, M.D., D.Phil. Vice President for Health Affairs University of South Carolina Columbia, South Carolina 29208

DIRECTOR

Institute for Research on Environmental Change University of Wisconsin-Green Bay

University of Wisconsin-Green Bay

Duties: To head newly established research institute. Identify sources of funding, draft proposals, recruit staff, supervise research. Possibility of part-time teaching. Requirements: Ph.D. or equivalent terminal degree, interdisciplinary background. Demonstrated administrative and research competence; ability to coordinate efforts of academic and nonacademic professionals, both within the university and the larger community. Salary: Depends on qualifications and experience. Apply to: Dr. George O'Hearn, Chairman, Search and Screen Committee for Director, Institute for Research on Environmental Change, University of Wisconsin-Green Bay, Green Bay, Wisconsin 54302. Application Deadline: 1 October 1974. UWGB is an Equal Opportunity Employer.

FACULTY POSITION

The University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences seeks applicants with a doctoral degree in physiology, pathology or related area. Research affiliation with the Biology Division, Oak Ridge National Laboratory. Rank and salary dependent on qualifications. Successful candidate will maintain viable research program and teach mammalian physiology at graduate level. Duties also include assisting in recruitment and advisement of students in minority research training program. Minority applications encouraged.

Send curriculum vitae and three references to: Fred C. Hartman, Search Committee, University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tenn. 37830.

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

CLINICAL CHEMIST/LAB DIRECTOR

Mature, doctoral level individual needed to head branch laboratory to be opened soon in the Chicago area. Excellent growth situation. For the right person training in business and financial administration will be provided. Similar opportunities in other geographic areas will soon be available. Reply in confidence to Bio-Science Enterprises, 7600 Tyrone Avenue, Van Nuys, California 91405. Attn: Facility Development. An Equal Opportunity Employer.

POSITIONS OPEN

MOLECULAR BIOLOGIST with active research interest in the regulation of gene expression in viral or cellular systems. Teaching responsibilities would include courses related to areas of specialty to either medical, graduate, or undergraduate students. Reply to Joseph Kates, Chairman, Department of Microbiology, Health Sciences Center, State University of New York, Stony Brook, New York 11790. The Health Sciences Center is an equal opportunity employer and applications from members of minority groups or women are welcome. women are welcome.

CARDIOVASCULAR PHARMACOLOGIST

Challenging position available for a senior cardiovascular pharmacologist to head a team conducting research on antihypertensive drug therapy.

Our company, a major ethical pharmaceutical manufacturer, with modern extensive research facilities, is located in cosmopolitan Montreal. Salary will be commensurate with qualifications and experience of the successful applicant. Please send complete résumé to:

> **Personnel Department Ayerst Laboratories** P.O. Box 6115 Montreal, Quebec, Canada **H3C 3J1**

CENTER FOR DISEASE CONTROL DIRECTOR NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH

The Center for Disease Control invites nominations and applications for the position of Director, National Institute of Occupational Safety and Health (NIOSH). The Institute develops and recommends occupational safety and health standards; and conducts research, experiments and demonstrations relating to innovative methods, techniques and approaches to problems in occupational safety and health. Additionally, it is responsible for the conduct of health programs set forth in the Federal Coal Mine Health and Safety Act.

Applicants should have appropriate credentials in science, engineering, or medicine and recognized expertise in preventive or occupational health or industrial hygiene. M.D. preferred but not essential. Above all, the position requires a capable health or science administrator who has sound, mature professional competence and judgment.

The Institute Director is appointed by the Secretary, Department of Health, Education, and Welfare, for a term of 6 years. Position is top U.S. Civil Service or Commissioned Corps grade, located in Rockville, Maryland. Letters of application, with curriculum vitae, selected list of publications, and references, should be sent to: Dr. John D. Millar, Chairman, Search Committee, Center for Disease Control, Building B., Room 111, Atlanta, Georgia 30333.

Letters must be received by 15 October to be considered.

An Equal Opportunity Employer

Immunopharmacologist

The Pharmacology Department of our Central Research Laboratories in Groton, Connecticut, has an immediate opening for an immunopharmacologist. A Ph.D. with some experience in anti-inflammatory research is preferred, although applicants with a general immunobiology background will be considered.

Excellent employee benefits are associated with this position which allows one to work and live in an attractive Connecticut shore location.

Please send résumé to: Mr. R. H. Sayre, Personnel Manager, Pfizer Central Research, Eastern Point Road, Groton, Connecticut 06340.

An equal opportunity employer m/f

POSITIONS OPEN

HEAD, DEPARTMENT OF ENERGY ENGINEERING. The department offers areas of concentration leading toward B.S., M.S., and Ph.D. degrees in Chemical Engineering, Environmental Engineering, Fluids Engineering, and Thermomechanics and Energy Conversion. Candidates should have a strong research record in one or more of these areas and demonstrated capabilities and wide interest in the general fields of energy and the environment. An Equal Opportunity/Affirmative Action Employer. Send résumé to: Dr. Richard M. Michaels, Chairman of Search Committee, Director, Urban Systems Laboratory, University of Illinois at Chicago Circle, Box 4348, Chicago, Illinois 60680.

IMMUNOPATHOLOGIST

Full-time position. The Dartmouth-Hitchcock Medical Center invites inquiries from Board qualified or certified pathologists who are actively interested in the area of immunopathology and who have had both postgraduate training and some experience in this field. Additional postgraduate training in Internal Medicine desirable. Position involves participation in teaching medical students and residents, clinical service activities, and an active interest in immunopathological research. Direct inquiries (including curriculum vitae to: George D. Sorenson, M.D., Chairman, Department of Pathology, Dartmouth Medical School, Hanover, N.H. 03755.

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

POSTDOCTORAL RESEARCH POSITION

A 2-year postdoctoral research position for work related to deposition and retention of radio-active materials on vegetation. This research will involve the utilization of an environmental chamber. Experience in meteorology, radiation physics, or radioecology preferred with the ability to safely handle radioisotopes. Position open immediately. The work will be performed at the National Reactor Testing Station near Idaho Falls, Idaho. The appointment will pay a maximum of \$10,500 for a 9-month period during FY 1975 and a maximum stipend of \$14,000 for a 12-month period in FY 1976. Certain additional costs will be allowed, (U.S. citizenship required.) For further information contact Associated Western Universities, Incorporated, 136 East South Temple, 1005, Salt Lake City, Utah 84111. An Equal Opportunity Employer.

POSITIONS OPEN

ELECTRON MICROSCOPIST

M.S. or Ph.D., experienced in histologic and EM techniques, to participate in research involving tissues of the female reproductive tract. Send curriculum vitae to:

Ernst R. Friedrich, M.D. Washington University Ob-Gyn Department 4911 Barnes Hospital Plaza St. Louis, Missouri 63110

An Affirmative Action/Equal Opportunity Employer

POSTDOCTORAL POSITION

Manager for an Environmental Protection Agency-sponsored project on "Maximum Utilization of Water Resources in a Planned Community." Duties include: administering overall grants, preparing monthly and annual reports, preparing technical reports for publication, evaluating technical progress of subcontractual work, and directing surface water hydrology sampling and monitoring programs. Applicant must have a working knowledge of applied hydrology. Position is available immediately. Salary is commensurate with qualifications. Call Dr. W. G. Characklis, Department of Environmental Science and Engineering, Rice University, Houston, Texas (713-528-4141). Rice University is an equal opportunity/affirmative action employer.

An individual is sought with an active research program and publications in the field of MOLECULAR BIOLOGY OF TUMOR VIRUSES and/or eukaryotic cells, particularly with an interest in regulation of cell division, growth, and differentiation. Teaching responsibilities include instruction in his field of specialty at the graduate and undergraduate levels. Reply to Joseph Kates, Chairman, Department of Microbiology, Health Sciences Center, State University of New York, Stony Brook, New York 11790. The Health Sciences Center is an equal opportunity employer and applications from members of minority groups or women are welcome.

POSTDOCTORAL RESEARCH GEOPHYSICIST

A position is available for fall 1974 with a salary range of \$10,776-\$12,000 per year, depending on qualifications. The job duties entail mass spectrometric stable isotope dilution studies of lunar material. Inquiries should be addressed to: Dr. George Wetherill, Department of Planetary and Space Science, University of California, Los Angeles, California 90024.

vrije universiteit amsterdam

The Subfaculty of Biology has a vacancy for a

professor or reader in botany

The duties will comprise part of the undergraduate and postgraduate teaching in plant physiology and the leadership of a research group preferably in the physiology of algae and moulds.

The Free University was founded as a private non-denominational Christian Institution and is now a fully state subsidized private university. The preamble to its charter speaks of the Christian idea of service as the university's guiding principle. Candidates are kindly requested to express their attitude towards this principle in their application.

Gross salary for a professor Dfl. 95000 per annum; for a reader the salary scale has a maximum of Dfl. 76000 per annum. Both applicants and those who would like to draw our attention to possible candidates are requested to write before October 1st, 1974 to Prof. A. H. Stouthamer, Department of Biology, Vrije Universiteit, De Boelelaan 1087, Amsterdam, The Netherlands. Candidates should mention referees when applying.



MASS SPECTROSCOPIST ASSISTANT PROFESSOR

Applications are invited for a position as Assistant Professor of Mass Spectroscopy in the departments of Pediatrics and Pharmacology at the University of Colorado Medical Center, Denver. Candidates are expected to have a Ph.D. in Organic Chemistry and at least 3 years of postdoctoral experience, preferably in the biochemical applications. The successful applicant will be required to keep charge of a Clinical Organic Chemistry Laboratory and to work in the areas of inborn errors of metabolism, toxicology, and steroid metabolism. Send curriculum vitae to Dr. Donough O'Brien, Department of Pediatrics, University of Colorado Medical Center, 4200 East Ninth Avenue, Denver, Colo. The University of Colorado is an equal on-

The University of Colorado is an equal opportunity and affirmative action employer; female and minority persons are urged to apply.

POSTDOCTORAL POSITION

Applications are invited for a postdoctoral research fellowship to work on problems of the replication of polio virus and RNA tumor viruses. Candidates should have experience in virology replication of polio virus and RNA tumor viruses. Candidates should have experience in virology or enzymology or biochemistry of nucleic acids. Starting salary \$10,000. Applications with curriculum vitae, naming two references, should be sent to Eckard Wimmer, Department of Microbiology, Health Sciences Center, State University of New York, Stony Brook, New York 11790, Affirmative Action/Equal Opportunity Employer

RESEARCH FELLOW IN BIOLOGY

Biology Department seeks a Research Fellow for September or December 1974. Position involves conducting research in molecular biology of development (regulation of protein synthesis) under the direction of a faculty member, and teaching a portion of a one-semester course in Cellular Basis of Development. The department is strongly oriented toward molecular-developmental biology and research support is guaranteed.

Salary \$11,000. The position is for 2 years. Send résumé and references to:

Barry I. Kiefer, Chairman Department of Biology Wesleyan University Middletown, Connecticut 06457

UNIVERSITY OF MELBOURNE LECTURESHIP (Limited Tenure-Three Years) DEPARTMENT OF PHYSIOLOGY

This appointment is to be made to assist in the development of a Neurosciences Training Programme within the Department of Physiology. In this programme, we aim to provide a coordinated course of study of the functions of the brain (in physiological terms). The course commences in the third year of the science course, continues through the Honours year, and also provides supervision of research activities and course work for postgraduate M.Sc. and Ph.D. students.

The appointee will participate in this programme together with four other staff members. A separate neurophysiology laboratory is to be used for laboratory work for undergraduate students, but postgraduate students will work and be supervised in the research laboratories of the department

ment.

The research facilities available in the department for the study of brain function have recently been considerably expanded with the setting up of a sensory processes laboratory (I. Darian-Smith and K. O. Johnson). Neurophysiology and experimental psychology laboratories of this unit provide facilities for correlative studies of cutaneous sensibility and the underlying neural events as observed in human subjects and monkeys. Each laboratory has independent access to a PDP11/40 computer system. In a second research laboratory, also with computer facilities, functions of the limbic system are being studied (J. S. McKenzie) by correlating neural events with motivated behaviour.

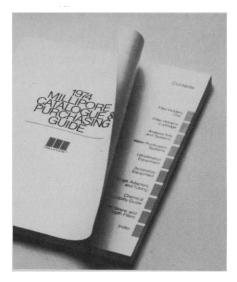
The applicant should have teaching and research experience in neuroscience and either a Ph.D. in this field or an equivalent qualification.

Salary: \$A9,002-\$12,352 (U.S.\$13,360-U.S.\$18,300 as of 7 July 1974.

Commencing date: 1 January 1975 or as soon as possible thereafter.

Further details may be obtained from Professor I. Darian-Smith, Department of Physiology. Details of application procedure together with conditions of appointment may be obtained from the Registrar, University of Melbourne, Parkville, 3052, Australia.

Applications referring to position No. F536014 should be addressed to the Registrar, and close on 27 September 1974.



Our 20th anniversary gift to filtration

96 pages of filtration products specifications makes this book indispensable to bioscientists, chemists, pharmacists and others with a need for absolute filtration. Free.



Circle No. 489 on Readers' Service Card

COLLEGE OF MEDICINE & DENTISTRY OF NEW JERSEY **RUTGERS MEDICAL SCHOOL**

Nominations and applications are invited for the position of Dean of the College of Medicine & Dentistry of New Jersey—Rutgers Medical School. Qualifications include evidence of strong administrative academic ability and leadership. Rutgers Medical School. cal School has recently changed from a 2 year to 4 year M.D. granting institution. Curriculum vitae and nominations should be sent to:

Dr. Lawrence T. Taft

Chairman, Dean's Search Committee

C.M.D.N.J. RUTGERS MEDICAL SCHOOL

POST OFFICE BOX 101 PISCATAWAY, NEW JERSEY



COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY

> An Equal Opportunity/ Affirmative Action Employer

APPLIED STATISTICIAN

Miles Laboratories, Inc., a multi-divisional chemical. pharmaceutical and consumer products company, has an excellent opportunity for a person with a doctorate in statistics.

This person will be expected to provide authoritative statistical consultation corporate-wide. The areas dealt with include: legal, medical, scientific, regulatory and business affairs. The applicant we are seeking should be technically top-notch, applications oriented and outstanding with regard to communications skills. Incumbent must be able to deal effectively with middle and top management.

Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent recreational and educational facilities as well as convenient accessibility to the Chicago area. Excellent starting salary commensurate with experience plus a superior benefits program. Relocation expenses paid by the company. Please send complete resume including salary requirements in con-

Curtis A. Brown.

Senior Placement Representative, Dept. 750-A



MILES LABORATORIES. INC.

ELKHART, INDIANA 46514

An Equal Opportunity Employer

AAAS Memberships and Subscriptions

- Whenever you write us about your membership or subscription, please attach a Science address label to assure prompt service.
- Mail to: Membership and Subscription Records, AAAS, 1515 Massachusetts Ave., NW, Washington, D.C. 20005.
- ☐ Change of Address: Please provide 6 weeks' notice. Paste an address label from a recent issue in the space provided. Print new address below.
- Query: If you have a question, place your address label here and attach this form to your letter.
- To join or subscribe: Mail this form with your payment, mark the appropriate boxes, and print your name and address in the space below. (For renewals, attach label.)
- ☐ Membership rates (individual only)

 - \$41 Airlift to Europe, North Africa, Near East
- ☐ Subscriber rates
 - ☐ \$40 USA ☐ \$46 Canada, PUAS ☐ \$48 Foreign
 - ☐ \$60 Airlift to Europe, North Africa, Near East

☐ Payment enclosed ☐ Bill me later

Name Please print Address

MJ09 City State Zip

ATTACH

LABEL

HERE

POSITIONS OPEN

ASSISTANT PROFESSORS—BIOLOGY

Several positions are open for biologists with promise of creative and dynamic research programs in plant tissue culture, immunobiology, developmental biology, biochemical taxonomy, neurobiology, animal physiology, or behavioral genetics. Share in teaching of large elementary course or preprofessional courses; develop advanced courses in areas of specialty. Starting dates: January 1975, and August 1975. Send résumé and references to: A. Eisenstark, Director, Division of Biological Sciences, University of Missouri, Columbia, Missouri 65201, University of Missouri is an affirmative action, equal opportunity employer.

EVOLUTIONARY BIOLOGIST

The Allan Hancock Foundation and the Department of Biological Sciences of the University of Southern California invite applications for a full-time faculty position involving some responsibility for the Foundation's research collections. Evolutionary biologist sought with interest in a major invertebrate marine group. Applications with interests in biochemical evolution or neurobiology encouraged. Send curriculum vitae to: Dr. Bernard C. Abbott, Director, Allan Hancock Foundation, University of Southern California, Los Angeles, Calif. 90007. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

Cancer Immunologist, Cellular Immunologist, Immunogeneticist, Virologist, and so forth, Ph.D. or M.D. available in exciting new Department of Basic and Clinical Immunology and Microbiology in 300-year-old seacoast city with unique recreational opportunities (fresh and salt water sailing and fishing and year-round tennis and golf).

All faculty positions funded by state appropriations. Technical, editorial, and secretarial assistance available in the department. All positions competitive. Rank and salary commensurate with qualifications, experience and recent (past 3 to 5 years) documented productivity.

If interested please apply to: Dr. H. H. Fudenberg, Chairman, Department of Basic and Clinical Immunology and Microbiology, Medical University of South Carolina, Charleston, S.C. 29401. An equal opportunity employer.

NEUROPHYSIOLOGIST

With minimum of 4 years of postdoctoral experimental research experience on sensory motor control of head and neck musculature and expertise in the recording of single motor units in the supra- and infra-mandibular muscles. The position at Associate or Assistant Professor level in the School of Dentistry is dependent on grant support. School of Dentistry, University of California, San Francisco, Calif. 94143. The University of California, San Francisco is an Equal Opportunity employer with an affirmative action program. action program.

PHARMACOLOGY-TOXICOLOGY

Applications invited for Assistant Professor position available July 1975. Applicants to hold Ph.D. or M.D. with teaching interest and potential to develop strong research program. Send résumé to: Dr. A. Trevor, Department of Pharmacology, School of Medicine, University of California, San Francisco, Calif. 94143. An affirmative action-equal opportunity employer.

The Mental Retardation Research Center at the University of California is seeking an experienced scientist with specific interests in the SOCIAL EPIDEMIOLOGY OF MENTAL RETARDATION. Duties will involve research, administration, and teaching in collaboration with the research program at Pacific State Hospital in Pomona, California. Candidates should qualify at the Associate Professor level or higher in the University of California system and must have no less than Ph.D. plus 5 years of experience, or an M.D. plus residency plus 5 years of experience. Candidates would be well-come from such fields as Psychiatry, Psychology, Sociology, Education, and related disciplines, UCLA is an Equal Opportunity employer with a vigorous affirmative action program. Please send résumé to: Dr. Nathaniel Buchwald, Mental Retardation Research Center, University of California, 760 Westwood Plaza, Los Angeles, California 90024. The Mental Retardation Research Center at the

POSTDOCTORAL FELLOW

Postdoctoral position available immediately for D.D.S. or Ph.D. to work on experimental teratology or carcinogenesis. Experience in electron microscopy and/or tissue culture is desirable. Stipend is negotiable and is subject to NIH regulations. Send curriculum vitae with list of two references to: Department of Pathology, State University of New York, 180 Race Street, Buffalo, N.Y. 14207. An Equal Opportunity, Affirmative Action Employer.

POSITIONS OPEN

PHARMACOLOGIST

Fast growing pharmaceutical research and development company located in Southern California seeks pharmacologist. Responsible for monitoring existing programs and development of new procedures and programs. Ph.D. required, some postdoctoral experience, broad background desired in sub-specialities, for example, cardiovascular and/or CNS. Send résumé to: **Box 409**, **SCIENCE**. Equal Opportunity Employer.

RESEARCH ASSISTANT PROFESSOR

Bioenergetics: To study the structure function relationships in mitochondria. Salary range: \$12,000 to \$14,000. Only recent Ph.D. with post-doctoral research experience and demonstrated accomplishment in the chemistry and biology of mitochondria and/or chloroplasts should apply Send résumé to: Director, Bioenergetics Laboratory, Acheson Hall, State University of New York at Buffalo, Buffalo, New York 14214. An Equal Opportunity and Affirmative Action Employer.

THE AUSTRALIAN NATIONAL UNIVERSITY is inviting applications for a Research Fellow in the Department of Biogeography and Geomorphology in the Research School of Pacific Studies. Applicants should have interests in any of the fields already represented in the department which are Quaternary stratigraphy and vegetation history, palynology, vegetation dynamics, karst and coastal geomorphological processes. Fieldwork may be carried out in the Southwest Pacific (including New Guinea), Southeast Asia or Australia. Applicants should have proven capacity for independent research. Tenure is normally for 3 years in the first instance with possibility of extension to a maximum of 5 years. Salary: \$A9,002 to \$A12,269 per annum. Reasonable travel expenses and assistance with housing is available. Further information should be obtained from the Academic Registrar, P.O. Box 4, Canberra, ACT, 2600, Australia. Applications close: 31 October 1974.

FULL TIME RESEARCH TECHNICIAN IN PHYSIOLOGY

Biological and biochemical work in enzyme and hormone analysis. Familiarity in operation of spectrophotometers, ultracentrifuge, column chromatography, and other chemical laboratory experience required. Salary range \$7446 to \$9068 plus paid insurances and other fine employee benefits. Request an application, write, phone or send curriculum vitae to David Gale, The Ohio State University Personnel Employment Office, 53 West 11 Ave., Columbus, Ohio 43201, 614-422-5304. OSU is an Equal Opportunity/Affirmative Action Employer.

SPERM (SEMEN)-BANKING SPECIALIST. The University of Nebraska Medical Center in Omaha is seeking a sperm-bank(ing) specialist or individual trained in cryogenics to assist in the development of the newly funded program at the Medical Center. Candidate must be able to plan and direct a new multifunctional semenbanking facility. A Master's Degree in Science is preferred but training and/or experience in cryogenics may be substituted. Demonstrated competence in the management and expansion of a similar service, training and research program is an asset. An excellent fringe benefit package is offered and the salary is negotiable. Contact James D. Eisen, Ph.D., University of Nebraska Medical Center Semen Bank, 42nd and Dewey Avenue, Omaha, Nebraska 68105. An Equal Opportunity Employer.

TECHNICIAN POSITIONS

Positions in cancer immunology, cellular immunology, immunogenetics, virology, and so forth, available in exciting new Department of Basic and Clinical Immunology and Microbiology in 300-year-old seacoast city with unique recreational opportunities (fresh and salt water sailing and fishing, and year-round tennis and golf). All positions competitive; rank and salary commensurate with qualifications and experience If interested please apply to: Dr. H. H. Fudenberg, Chairman, Department of Basic and Clinical Immunology and Microbiology, Medical University of South Carolina, Charleston, S.C. 29401. An equal opportunity employer.

TOXICOLOGIST

Head up small animal toxicology department in rapidly growing major independent laboratory. Minimum of 5 years of experience in laboratory animal toxicology required. Ph.D., D.V.M., or M.S. desirable but not essential in lieu of experience. Excellent fringe benefits and salary commensurate with experience. Send your résumé in confidence to: Mr. John Ragen, Director of Personnel, International Research and Development Corp., Mattawan, Michigan 49071.

POSITIONS OPEN

TUMOR VIROLOGIST

TUMOR VIROLOGISI

Tumor Virologist sought with active research interests in the general area of molecular basis of tumor virus replication and carcinogenesis. Teaching responsibilities would include courses related to areas of specialty to either medical, graduate, or undergraduate students. Reply to Joseph Kates, Chairman, Department of Microbiology, Health Sciences Center, State University of New York, Stony Brook, New York 11790. The Health Sciences Center is an equal opportunity employer and applications from members of minority groups or women are welcome.

POSTDOCTORAL FELLOWSHIP IN PHARMACOLOGY

PHARMACOLOGY

Two NIH-supported postdoctoral traineeships are immediately available for research training in pharmacology of smooth muscle, autonomic pharmacology, or drug modification of nucleic acids. Stipend is \$10,000 plus allowance for previous postdoctoral training. Applicants should send résumés to: Dr. Robert F. Furchgott, Chairman, Department of Pharmacology, State University of New York, Downstate Medical Center, 450 Clarkson Avenue, Brooklyn, New York, 11203. An equal opportunity/affirmative action employer.

THE CENTER FOR SYSTEMS NEUROSCIENCE

NEUROSCIENCE

invites applications for Fellowships, tenable 1
September 1975 to 30 May 1976, with a stipend
of up to \$10,000 (which Fellows may supplement
from other sources). Applicants should be
established neuroscientists. Fellows will collaborate with Center staff to develop neural models
and computer techniques related to experimental
research. For further information and application
forms write to: Michael A. Arbib, Director,
Center for Systems Neuroscience, Graduate Research Center, University of Massachusetts,
Amherst, Mass. 01002. Awards will be made on
an Equal Opportunity basis.

FELLOWSHIP

TRAVELING FELLOWSHIP **METABOLISM**

Challenging position.

Requires background in Biochemistry/ Diabetes with postgraduate train-

Experience in evaluating data and writing with interest in basic and clinical research.

Travel to major medical centers in the U.S. for a period of 1 year.

Excellent stipend.

Send résumé to:

KIRSTEN FOUNDATION 444 Community Drive Manhasset, N. Y. 10030

MARKET PLACE

Do Wou Need 90% CARBON-13?

For lowest prices, call (415) 234-4130 or write for our newest isotope catalog.

*BIO·RAD Laboratories

32nd & Griffin, Richmond, CA 94804

NEW!

MINI FRACTION COLLECTOR

TIME BASED • PRECISION RELIABLE • RUGGED

Write for details\$395. Eldex Laboratories, Inc.

(415) 325-2250 557 Willow Rd., Menlo Park, CA. 94025 Circle No. 561 on Readers' Service Card

PS, I love you.

Right after we announced the Mettler PS 1200 electronic top-loading balance, orders started pouring in.

Why the instant attachment? Because it's the electronic top loader with just a pan and a result. No knobs. No adjustments. No beam. You simply place your sample on the weighing pan and read the results in less than two seconds. A single control bar performs all operations—on, off, taring. A built-in memory accumulates individual weight values and the total can be read on the digital readout. Additionally, the PS 1200 is equipped with BCD digital outputs—a plus for on-line and on-stream applications. And should an overload occur there is no readout and data transfer is blocked, preventing erroneous inputs. The Mettler PS 1200 has a weighing range of 1200 grams with readability of 0.1 gram.



Circle No. 531 on Readers' Service Card



Pharmacia Fine Chemicals Inc. 800 Centennial Avenue PISCATAWAY New Jersey 08854 Phone (201) 469-1222 Pharmacia (Canada) Ltd. 2044 St. Regis Boulevard Dorval, Quebec, Canada (514) 684-8881



Pharmacia Fine Chemicals

For additional information write or call PHARMACIA FINE CHEMICALS INC., Piscataway. New Jersey.