

Personnel Placement

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

POSITIONS OPEN: \$7 per column line, if publisher's type is used (12 lines = 1 inch). Minimum ad is 12 lines or \$84. All ads using larger than 6 point type will be billed as display ads at \$100 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

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

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

Replies to blind ads should be addressed as follows:

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

POSITIONS WANTED

Air Pollution Specialist. Ph.D. December 1969. Plant Pathology, Plant Physiology. Teaching, postdoctoral research and consulting experience. Research and teaching position desired. Thaddeus J. Godish, 211 Buckhout Laboratory, University Park, Pa. 16802. X

Attorney-Biologist. M.S., J.D. Desire legal position relating to biology, biochemistry, wildlife, conservation, ecology, or environmental pollution. Howard Freemyer, 3615 Memorial Drive, Waco, Texas 76711. X

Biochemist. Ph.D., June 1970. Training—electron microscopy, enzyme kinetics, carbohydrate metabolism, and amebal, algal growth. Some teaching experience. Four publications, four abstracts. Research or research-teaching desired. Francisco Montalvo, 5230 St. Anthony, New Orleans, La. X

Biologist. Ph.D., Postdoctoral experience; seeks academic appointment; September 1970; general biology, invertebrate zoology, comparative physiology; prefer South. Box 240, *SCIENCE*. X

Biologist-Parasitologist. Ph.D. 1970. Seeks teaching/research position. Zoology instructor, Peace Corps, Latin America. Research experience: hemoparasites, vector insects. Publications. Interest: international education, development. Available fall 1970. Box 241, *SCIENCE*. X

Biophysicists/Theoretical Biologist (Ph.D.; Dipl. Eng.). Mature scientist desires change position; broad educational background (biology-medicine, physics, chemistry, engineering); experience in experimental and theoretical areas; modeling of complex systems and advanced computer analysis; author and editor of books and numerous publications; desires university or institutional position; research-teaching, research planning and coordination in multidisciplinary fields. Box 242, *SCIENCE*. X

Microbiologist. Ph.D. Postdoctoral experience. Microbial physiology and environmental science. Publications. Teaching experience, general and advanced microbiology. Desires teaching/research. Box 243, *SCIENCE*. X

Radiation Biologist. D.Sc., 13 years of college teaching experience. Several publications. Also broad background in genetics, physiology, cytology, general biology. Desires teaching, research, or industrial position. Available fall 1970. Victor Arena, R.D. 4, Slippery Rock, Pa. 16057. X

12 JUNE 1970

POSITIONS WANTED

Plant Genetics, developmental physiology Ph.D., 40. Six years of biology teaching, 4 years of research experience. Grants, awards, publications. Background in ecology, agronomy, cytotoxicology, plant biochemistry. Seeks permanent post. Available September 1970. Box 244, *SCIENCE*. X

Protein Chemist. Ph.D., 37. Publications cell membrane biochemistry, equipment design and immunochemistry. Four years of teaching experience. Electronics training. Seeks academic or industrial position where work with new instruments and techniques for protein isolation can continue. Box 245, *SCIENCE*. X

Programmer/Analyst wants to enter Ecology/Bio-medical areas. Varied background. M.A. Four years of general systems/applications. Résumé. R. Rose, 6 Phillips St., Boston, Mass. 02114. 6/12

Russian-English Translator/Abstractor. Prompt, reliable, full-time professional. Rates on request. Charles Parsons, 5914 Pulaski Avenue, Philadelphia, Pennsylvania 19144. X

Translations from German. Fast, exact. Send text; will be returned with translation and billed at \$20/M. Lee Stavenhagen, Ph.D., Box 1141, Galveston, Texas 77550. X

POSITIONS OPEN

ANIMAL MIGRATION

A center for the study of the physiological basis of animal migration has been inaugurated with the joint support of the National Research Council of Canada and the University.

There are immediate openings for:

1. Faculty.

(a) Histochemist with experience in electron microscopy.

(b) Biophysicist with experience in bioacoustics. Salary dependent upon experience.

2. Two Postdoctoral Fellows interested in one of:

(a) influence of environmental factors on migration; (b) structural and metabolic adaptations; (c) internal regulation; (d) energy metabolism.

Fellowships pay \$6000 to \$7200 per annum, tax free.

**Professor K. Ronald
Chairman
Department of Zoology
University of Guelph
Guelph, Ontario, Canada**

ASSISTANT PROFESSOR—Ph.D. with specialization in physiological chemistry. Teaching and research responsibilities in hormonal and molecular aspects of muscle growth and of biochemical changes in meats. Starting salary \$11,000; open 1 September 1970. Forward applications, including curriculum vitae, transcripts and names of three referees, by 1 August to **Chairman, Department of Animal Science, Faculty of Agriculture, The University of Alberta, Edmonton 7, Alberta, Canada.**

DEPARTMENT CHAIRMAN

Immediate opening for Chairman of Department of Biological Sciences in young, rapidly growing, state-supported university. Department includes active undergraduate programs in Biology, Botany, Microbiology, and Zoology. Faculty composed of 18 members, 16 with Ph.D. Responsibilities include usual administrative duties and the development of graduate and other new programs. Possibilities are open for teaching and research. Seeking a mature biologist with teaching, research, and, preferably, administrative experience. Rank and salary are open. Direct inquiries to: **Dr. T. L. Chesnut, Department of Biological Sciences, Florida Technological University, Post Office Box 25000, Orlando, Florida 32816.**

POSITIONS OPEN

ECOLOGIST

Quantitative background, interested in marine realm. Zooplankton background and interest preferred. Rank/salary open. Application, curriculum vitae, names of three references to: **Garth Murphy, Chairman, Department of Oceanography, 2525 Correa Road, University of Hawaii, Honolulu, Hawaii.**

ENTOMOLOGIST

Ph.D. or equivalent for leadership position in furthering a new insecticide development program from laboratory to field trials. Knowledge of insect rearing, chamber testing, experimental design/statistical evaluation, and Federal regulations desirable. Reply: **Research Laboratory, S. B. Penick & Co., a Unit of CPC International, 215 Watchung Avenue, Orange, New Jersey 07050.** An equal opportunity employer.

The International Atomic Energy Agency requires an **Honours Graduate, preferably Ph.D., in Physics or Chemistry**, to join a multidiscipline team applying environmental isotope techniques to hydrological problems. Experience in low-level counting is necessary since his prime responsibility will be carbon-14 and tritium.

Applications to be addressed to **Personnel Division, International Atomic Energy Agency, Kärntner Ring 11, 1010 Vienna, Austria.**

**UNIVERSITY OF OTAGO
Dunedin, New Zealand**

LECTURER OR SENIOR LECTURER IN STATISTICS

Applications are invited for appointment within the range of Lecturer, Senior Lecturer or Associate Professor in Statistics in the Department of Mathematics. Applications will be considered from candidates with qualifications in any field of statistics or operational research.

Salary Scales: Under review and a new scale will operate from 1 April 1970. Interim scales for 1969 have been:

Lecturer: \$NZ3,100 × \$200–\$4700 × \$100–\$4000 per annum.

Senior Lecturer: \$NZ4700 × \$200–\$5500; thereafter a range of salaries up to \$6600 per annum. A particularly well-qualified candidate could be appointed at the grade of Associate Professor at a salary within the range of \$NZ5800 to \$7300 per annum.

(Note: \$NZ100 equals £46.13.4 stg, \$US112, \$A100).

The University would be willing to consider a 3-year appointment with return fares paid. Further particulars are available from the Secretary-General, Association of Commonwealth Universities (Appts), 36 Gordon Square, London, WC1H 0PF, or from the Registrar of the University.

Applications close in New Zealand and London on 15 July 1970. Late applications would be considered.

UNIVERSITY OF SYDNEY

Chair of Applied Mathematics

will become vacant on retirement of Professor K. E. Bullen late in 1971.

Inquiries to

H. McCredie, Registrar
University of Sydney
Sydney, N.S.W. 2006

who will forward information by return air mail.

Neutron Activation Analysis—Kodak Research Laboratories, our corporate center in Rochester, N.Y., for fundamental research, will be adding a specialist of at least 3 years' experience in radiochemistry. Gamma-ray spectrometry, opportunity to develop new separation procedures on high-purity material. Position requires U.S. citizenship, occasional travel to Buffalo for use of reactor at Western New York Nuclear Research Center. Résumé to **Eastman Kodak Company, Business and Technical Personnel, Rochester, N.Y. 14650.** An equal opportunity employer

UNIVERSITY OF LEIDEN, THE NETHERLANDS

FACULTY OF MEDICINE

CHAIR OF PHYSIOLOGY

Applications are invited for an appointment to the above-mentioned chair, rendered vacant by the death of Professor J. W. Duyff, M.D.

The appointment will carry with it the responsibility for coördinating physiological research projects within the Department of Physiology as well as in clinical departments of the University Medical Center, and preference will be given to applicants with research interests related to clinical physiology.

Further particulars may be obtained from, and applications shall be submitted to the advisory committee,

c/o Professor E. L. Noach,
Department of Pharmacology,
Wassenaarseweg 62,
Leiden, Netherlands

SENIOR RESEARCH POSITIONS

SOUTHERN RESEARCH INSTITUTE

Chief, Pathology Division: Broad responsibilities for pathology components of carcinogenesis, cancer chemotherapy, subacute and chronic drug toxicity, and tuberculosis programs. Qualifications: M.D., D.V.M. and/or Ph.D.; minimum of 5 years' experience subsequent to formal training, including supervisory responsibility. Salary open.

Group Leader, Toxicology Section: Responsibilities for pharmacologic and toxicologic evaluations of anticancer drugs. Qualifications: M.D. or Ph.D. in pharmacology with minimum of 2 years' postdoctoral training or work experience. Salary \$14,000 to \$18,000.

Group Leader, Bacteriology Section: Responsibilities for bacteriologic components of cancer chemotherapy and tuberculosis programs pursued with non-human primates as test objects. Qualifications: M.D. or Ph.D. in pathogenic bacteriology, with minimum of 2 years of postdoctoral training or work experience, preferably including active work in mycobacteriology. Salary \$14,000 to \$18,000.

Send resumes to:

Personnel Office
Southern Research Institute
2000 Ninth Avenue South
Birmingham, Alabama 35205

An Equal Opportunity Employer

SALESMEN

Now calling on hospital pathology labs Northeast interested in adding \$500 and more to their weekly income, demonstrating fast-selling new machine, are invited to contact us immediately.

HACKER INSTRUMENTS INC.
P.O. Box 646
West Caldwell, N.J. 07044
201/226-8450

Ph.D. Zoology

Comparative Physiologist or Vertebrate Zoologist to develop specialty course while being involved in General Biology. Assistant Professor. Salary \$10,500, with good fringe benefits of the State University System. Inquiries or applications including transcript of record, experience, and three letters of recommendation should be addressed to

Dr. Norman J. Gillette
Chairman, Recruitment Committee
Department of Biology
State University College
Oswego, N.Y. 13126

Position now available for **POSTDOCTORAL RESEARCH ASSOCIATE** to be involved in study of myelin membrane biosynthesis. This individual should have a strong interest in molecular biology. Please send detailed curriculum to **Seymour Joffe, M.D., Ph.D., University of Miami School of Medicine, 1600 NW 10th Ave., Miami, Florida 33136.** An equal opportunity employer.

Ph.D. VIROLOGIST

HAZLETON LABORATORIES, specializing in the life and environmental sciences, needs a Senior Virologist to direct a major government contract in assessing the viral etiology of mamalian cancer. Applicant should be experienced in viral oncology, have direct working knowledge of all aspects of cancer virology, and the ability to stimulate and motivate professional as well as subordinate personnel. Our laboratories, located in suburban Washington, D.C., offer well-equipped research facilities and an outstanding benefits program including retirement, stock savings, and dental care plans. Please send resumé to **Michael J. Mackert, Assistant Personnel Manager, HAZLETON LABORATORIES, INC., a Subsidiary of TRW Inc., P. O. Box 30, Falls Church, Virginia 22046.**

An Equal Opportunity Employer

GRADUATE STUDY

POSTDOCTORAL FELLOWSHIP IN CLINICAL BIOCHEMISTRY

Fellowship is available at the Research Laboratory of Elkhart General Hospital to study amniotic fluid enzymology in fetal distress. Applicant should have doctoral training in biochemistry with experience in enzymology. The traineeship is awarded for a minimum of 1 year with a maximum tenure of 3 years. The annual stipend is \$8500. Please address inquiries to: **Dr. M. Usategui-Gomez, Elkhart General Hospital Research Laboratory, Elkhart, Indiana 46514.**

A number of 2-year **Fellowships** are available starting Sept. 1, 1970 in the fields of Cellular Immunology, Immunochemistry/Immunopathology. American citizenship or resident visa required. For further information write including C.V. to **Doctor V. Nussenzweig, Dept. of Pathology, New York University School of Medicine, 550 First Avenue, N.Y. 10016.**

PREDOCTORAL ASSISTANTSHIPS IN PHYSIOLOGY

Excellent opportunities for graduate students (U.S. citizens) leading to the Ph.D. Stipends and free tuition. Research training: endocrinology, cardiac, renal, hepatic (reticuloendothelial), respiratory, sensory, cellular and gastrointestinal physiology, energy and water metabolism, bioengineering. Write for details to

Head, Department of Physiology
University of Illinois at the Medical Center
P.O. Box 6998
Chicago, Illinois 60680

NEW ZEALAND SENIOR AND POSTDOCTORAL RESEARCH FELLOWSHIPS

(second advertisement)

The New Zealand National Research Advisory Council invites applications for 8 Senior and Postdoctoral Fellowships to be taken up in New Zealand in 1971. The awards will be for scientific research in Government Departments. A good working knowledge of English is required.

The emoluments will be: Senior, within the range NZ\$6495 to NZ\$8920; Postdoctoral NZ\$5090. All emoluments are taxable. NZ\$1 is approximately 9s.4d. sterling or US\$1.12.

Senior Fellowships will normally be for a period of from nine months to a year and Postdoctoral Fellowships for a period of from two to three years.

Application forms and further particulars may be obtained from:

The Secretary, National Research Advisory Council, P.O. Box 8004, Wellington, NEW ZEALAND; The N. Z. Scientific Liaison Office, C.S.C., Africa House, Kingsway, London W.C.2, ENGLAND; The N. Z. Embassy, 19 Observatory Circle, N.W., Washington D.C. 20008, U.S.A.; The N. Z. High Commission, Suite 804, Commonwealth Buildings, 77 Metcalfe Street, Ottawa, Ontario, CANADA; The N. Z. High Commission, P.O. Box 820, Canberra 2601, A.C.T., AUSTRALIA; or the N. Z. Embassy, 26 Sanbancho Chiyoda-ku, Tokyo 102, JAPAN.

Applications must reach the Council Secretary by 30 September 1970.

The Market Place

CUSTOM DESIGN AND MANUFACTURE

Liquid metering controls, gas-tight stirring seals, high capacity, portable low-temperature baths, low-temperature high vacuum solvent stripping systems, pilot plant design.

Tekton Development Company
1325 Egbert Avenue
San Francisco, California 94124
415-822-3666

LITERATURE SEARCHING

When you're ready to do a literature search, call on ISI. The new ISI Search Service can do the job for you—quickly, efficiently and economically. Our massive data files are yours for the searching. Let us know your information problems. We'll look for the answers. Contact us immediately for details and ISI Search Service forms.

Telephone 215/923-3300, or write 29-236 **ISI**
INSTITUTE FOR SCIENTIFIC INFORMATION 325 Chestnut St Philadelphia Pa 19106 USA

LaMotte Chemical, Chestertown, Maryland 21620

Manufacturers of Chemical Testing Equipment and Science Demonstration Units.

Write Educational Products Div.

for free catalog

Phone: 301-778-3100

Now RADIO- AUTOGRAPHY

made fast and easy with self-contained, table-top exposure chamber.

For information on the Joffe Fluid Emulsion System, write to:

Laboratory Products Division
ISOTOPES, 50 Van Buren Avenue
Westwood, New Jersey 07675



1970 AAAS-WESTINGHOUSE SCIENCE WRITING AWARDS

Three \$1000 awards for science writing in:
Newspapers with over 100,000 daily circulation;

Newspapers with under 100,000 daily circulation;

General circulation magazines.

Material must have been published between
1 October 1969 and 30 September 1970.

For entry blanks and more details contact
Grayce A. Finger, AAAS, Dept. 70W, 1515 Massachusetts Ave., N.W., Washington, D.C. 20005
(202-387-7171).

AAAS Symposia as Textbooks

Man, Culture, and Animals

Man, Culture, and Animals is now in its third printing. First published in 1965, it is being used increasingly as a college textbook in anthropology. It grew out of a AAAS symposium, "The Role of Animals in Human Ecological Adjustments."

Edited by Anthony Leeds and Andrew P. Vayda. 304 pages. Bibliography. Retail price: \$8. AAAS member price when payment is sent with order: \$7.

Air Conservation

Recent emphasis on the environment has put this 5-year-old AAAS volume into the textbook category. *Air Conservation* is the Report of the Air Conservation Commission of the AAAS, James P. Dixon, Chairman. The volume has suddenly found wide use by environment-conscious students and teachers.

2nd printing, 1968. 348 pages. Illustrated. Bibliography. Index. Retail price: \$8. AAAS member price when payment is sent with order: \$7.

Send your order today to

AAAS Publications
Suite 100, 1515 Massachusetts Ave., NW
Washington, D.C. 20005

COLD POWER

FOR \$990⁰⁰



Compact Dimensions:
25½"W x 24"D x 21½"H

NEW SAVANT RECIRCULATING WATER COOLER

The Model RWC-50A disposes of your heat easily with a dependable system for circulating liquids at controlled temperatures.

Savant's recirculator is a self-contained commercial type refrigeration system, in a compact, laboratory size package.

Check the following outstanding features:

- ☐ ½ H.P. compressor, removes 3,500 BTU per hour.
- ☐ Self-priming pump.
- ☐ Stainless steel reservoir.
- ☐ Temperature range 20°F to 80°F (−7°C to +20°C)
- ☐ Completely mobile, move where needed.
- ☐ Compact, fits under laboratory bench.

Efficient cooling under the most exacting laboratory conditions for High Voltage Electrophoresis apparatus, Distillation Columns Cooling Jackets, etc.

For complete information on "Cold Power", request literature RWC-50A.

HIGH VOLTAGE ELECTROPHORESIS
LUCITE TANKS and FLAT PLATE SYSTEMS



Savant Instruments, Inc.

221 PARK AVE HICKSVILLE NEW YORK 11801 (516) WE 5-8774

It took us years to develop the best stereo microscope. Now give us a few minutes to prove it.

Let us compare our StereoStar/ZOOM to any stereoscopic microscope in your lab.

Our microscope offers high resolution, larger fields of view, greater working distance. We have as wide a magnification range as you're likely to need: a full 6 to 1 zoom range with magnifications from 3.5 X through 210 X. The zoom control knob is coupled—so that it's conveniently located on both sides, for either left or right-hand operation. And the entire head is easily rotatable through 360°.

135 years of optical excellence went into the AO StereoStar/ZOOM. Let us compare it to any stereo microscope in your lab. After all, if it's worth your money, it's worth your time.

Call your AO Representative. Or write for our convincing 24-page brochure.



**AMERICAN OPTICAL
CORPORATION**

SCIENTIFIC INSTRUMENT DIVISION • BUFFALO, N.Y. 14215

