

NEW ZEALAND SENIOR AND POSTDOCTORAL RESEARCH FELLOWSHIPS

The New Zealand National Research Advisory Council invites applications for 10 Senior and Postdoctoral Fellowships to be taken up in New Zealand in 1973. The awards will be for scientific research in Government Departments. A good working knowledge of English is required. There is no restriction regarding nationality of applicants, but successful candidates must meet the requirements of the New Zealand immigration authorities.

A grant equivalent to return economy class air fares from the Fellow's home to the New Zealand institution will be made. While in New Zealand reasonable travelling expenses incurred in connection with the research work will be paid.

If reciprocal social security between the Fellow's country and New Zealand does not apply, a medical insurance premium will be paid.

All emoluments are taxable. NZ\$1 is approximately 47p sterling or US\$1.19.

Senior Research Fellowships—Applicants should possess a Ph.D. degree or higher or have a distinguished record of scientific research. The fellowships are intended for research workers who have had several years professional experience and have published original material. Fellowships are normally for a period of from nine months to a year. If a Fellow's wife accompanies him a grant equivalent to her return fares will be paid provided the fellowship is for a term of at least nine months. If applicable, the employer's contribution to a superannuation scheme will be paid. The emoluments will range from NZ\$8126 to NZ\$12151 a year.

Postdoctoral Research Fellowships—Applicants should possess a Ph.D. or equivalent degree. The fellowships are intended for research workers who are recent graduates and may have had some research experience since graduation. Fellowships are normally for a period of from two to three years. If a Fellow's wife and family accompany him a grant equivalent to their return fares will be paid. A grant will also be made towards the cost of transport of personal effects. The emolument will be NZ\$6791 a year.

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, from the N.Z. Embassy, 19 Observatory Circle, N.W., Washington, D.C. 20008, U.S.A., from the Office of the High Commissioner for New Zealand, Suite 804, Commonwealth Buildings, 77 Metcalfe Street, Ottawa, Ontario, Canada, from the Office of the High Commissioner for New Zealand, P.O. Box 820, Canberra 2601, A.C.T., Australia, from the N.Z. Embassy, 26 Sanbancho Chiyoda-ku, Tokyo 102, Japan, from the New Zealand Embassy in Bonn, Jakarta, Paris, Rome, The Hague, Bangkok, Saigon, and from the Office of the High Commissioner for New Zealand in Sydney, Athens, New Delhi, Kuala Lumpur, Singapore, San Francisco, and Los Angeles.

Applications must reach the Council Secretary by 30 September 1972.

Personnel Placement

POSITIONS WANTED

Biologist/Physiologist, Ph.D. desires academic position. Background in teaching (undergraduate, graduate, professional), research and administration. Box 180, SCIENCE. X

Cell Biologist, Ph.D. Several years' teaching experience on college level. Seeks teaching/research or research position. Research interests—human and animal cytogenetics, effects of physical and chemical agents on chromosomes, meiosis, chromosome structure. No geographical preference. Box 181, SCIENCE. X

Chemist, Ph.D. 1967; 4 years' postdoctoral interpretation of mass spectra of natural products, isotope labeling, organometallics. Seeks position in natural products, bioorganic or environmental chemistry. Box 182, SCIENCE. X

Chemist-Crystallographer, Ph.D. 1960. Six years in research institution. Purification, crystallization of enzymes for x-ray crystallography. Five years of university teaching. Publications. Seeking academic, research, or industrial position. Box 183, SCIENCE. X

Clinical Chemistry postdoctoral fellowship wanted by physiologist, Ph.D., age 28. Training in tracer techniques; publications; teaching experience. Box 184, SCIENCE. X

Microbiologist, Ph.D., unlicensed M.D., experience and publications. Clinical laboratory or research. Box 185, SCIENCE. X

Ph.D., Pharmacology/Basic Science background. Medical teaching experience. Prefer academic/research/paramedical position. Available September. Box 186, SCIENCE. X

Physicist, Ph.D., desires academic or research or other challenging position; 2 years of college teaching, 2 years of programming in PL/I and FORTRAN in biomedical, biostatistical research. Write P.O. Box 194, Peirmont, N.Y. 10968. X

Physiologist, Ph.D., 31, desires college-level teaching position. Teaching and postdoctoral experience, publications. Available summer 1972. Box 187, SCIENCE. X

Physiologist, Ph.D. Experienced in all areas of physiology and biological sciences. Numerous publications. Box 164, SCIENCE. X

Psychologist, Ph.D., 31, department chairman, 5 years' teaching experience, 17 publications in experimental area. Prefers research job, but (almost) anything else considered. Box 188, SCIENCE. X

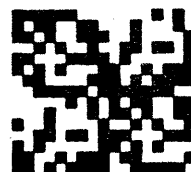
Planetarium Director, age 33, 12 years' teaching experience including all levels, K-12, college undergraduate and graduate, NSF-funded science program; astronomy, biology, earth science, physical science, chemistry, meteorology, aerospace; conducted research in auroras and atmospheric phenomena; seeks challenging position on the East Coast. Box 189, SCIENCE. X

Teacher and Researcher, Ph.D.; experience in geology, biology, and environmental sciences; seeks faculty or administrative position; National Academy of Sciences scientist; available September 1972. Box 190, SCIENCE. X

Toxicologist/Physiologist, Ph.D. December 1971, M.S. Occupational and environmental health, teaching and research experience. Desires academic or industrial position in toxicology-environmental sciences. Box 191, SCIENCE. X

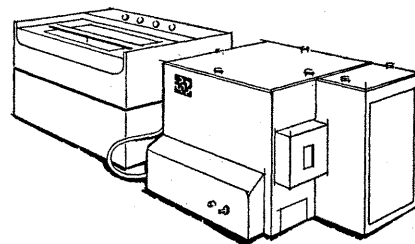
Toxicologist, Ph.D., 11 years' experience including forensic and pharmacological research and teaching (8 years), seeks academic, research or forensic related position. Box 192, SCIENCE. X

Virologist, Ph.D. 20 years' experience. Major contributions in antivirals and viral diagnosis. Over 60 publications. Industrial, clinical, academic, and administrative experience. Seeks responsible position. Opportunity for spouse to attend graduate school. Box 193, SCIENCE. X



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Analyt. Chem. 44,127A(1972)



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POSITIONS OPEN

Ph.D. VIROLOGIST, ONCOLOGIST

THE NAVAL BIOMEDICAL RESEARCH LABORATORY OF THE SCHOOL OF PUBLIC HEALTH, UNIVERSITY OF CALIFORNIA HAS AN IMMEDIATE OPENING FOR Ph.D. VIROLOGIST (D.V.M. OR M.D.) AT THE ASSISTANT OR ASSOCIATE LEVEL. THE CANDIDATE MUST HAVE BACKGROUND OF EDUCATION AND WORK IN THE AREA OF ONCOGENIC VIRUS AND HAVE SOME KNOWLEDGE OF CELLULAR PATHOLOGY. EXPERIENCE IN ANIMAL PATHOLOGY DESIRED BUT NOT ESSENTIAL. A Ph.D. LEVEL DEGREE IN VIROLOGY WITH POSTDOCTORAL WORK IN PATHOLOGY OF VIRAL INFECTIONS IS SUGGESTED. A D.V.M. DEGREE WITH EMPHASIS IN ANIMAL VIRUS WOULD ALSO BE ACCEPTABLE.

CANDIDATE WILL ASSIST IN STUDIES OF HOST-VIRUS INTERACTIONS WITH EXPECTATION HE WILL ASSIST IN DEVELOPMENT OF ADDITIONAL PROGRAMS AS RESEARCH PROCEEDS.

Please Send Curriculum Vitae To:

CHAIRMAN, ENVIRONMENTAL BIOLOGY DEPARTMENT
Naval Biomedical Research Laboratory
Naval Supply Center
Oakland, Calif. 94625
Phone: 415-832-5217

UNIVERSITE LAVAL Faculté des Sciences Département de Biologie

Applications are invited for a new position in Limnology (ecology and management of freshwater fauna) and/or Agricultural Entomology (chemosterilants, attractants, pheromones . . .).

Minimum salary for a Ph.D. is \$12,000.00 with appropriate adjustments according to experience. The appointee will be required to teach in French. However, candidates who do not master French may apply provided they are willing to learn the language within a reasonable period. The Biology Department has a teaching staff of 20 members and some postdoctoral fellows.

Apply to: **Dr Lucien HUOT, directeur**
Département de Biologie
Université Laval
Québec 10, CANADA

UNIVERSITY OF EDINBURGH LECTURESHIPS IN COMPUTER SCIENCE

Applications are invited for three Lectureships in the Department of Computer Science, from candidates with research experience in any of the following fields: Theory of Computation, Design of Digital Computers, and Design and Construction of Software for Use in Teaching Computer Science.

Salary scale: £1641 to £3999 per annum.

Applications, by letter (three copies) together with a curriculum vitae and the names of two referees, should be sent to the Secretary to the University, Old College, South Bridge, Edinburgh, EH8 9YL, Scotland, from whom further particulars may also be obtained. Applications should be sent as soon as possible, quoting reference 1024.

CANDIDATURES DEMANDEES AU POSTE DE DIRECTEUR D'UN DEPARTEMENT DES SCIENCES BIOLOGIQUES

1. Titre attaché au poste: Directeur, Département des Sciences biologiques. 2. Conditions requises: biologiste avec Ph.D. ou D.Sc. d'une université reconnue; compétence établie en recherche et préférentiellement aussi en enseignement; francophone. 3. Nature des fonctions: direction d'un département de sciences biologiques fondamentales groupant actuellement 25 professeurs représentant un assez large éventail des diverses disciplines de la botanique et de la zoologie aux niveaux moléculaire, organismique et populationnel; participation modérée à l'enseignement; supervision des personnels enseignant et non-enseignant; administration du budget; coordination des activités du département avec celles des autres départements de la Faculté des Arts et des Sciences et de certains départements des autres facultés ou écoles. 4. Traitement: traitement proportionnel à compétence et à l'expérience. 5. Personne à que il faut s'adresser pour de plus amples renseignements: Comité de Nomination, a/s J. R. Beaudry, Département des Sciences biologiques, Université de Montréal, C.P. 6128, Montréal 101, P.Q., Canada. 6. Date où la nomination entre en vigueur: 1^{er} juin 1972 ou le plus tôt possible après cette date. 7. Date de clôture pour la réception des demandes: 1^{er} août 1972.

POSITIONS OPEN

UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG, SOUTH AFRICA DEPARTMENT OF ANATOMY, MEDICAL SCHOOL—VACANCY: SENIOR LECTURESHIP IN HUMAN GENETICS

Applicants should be qualified in Human Genetics. A medical degree will be an additional recommendation.

Salary between R8,100 and R10,800 per annum depending upon qualifications and experience.

Write the Registrar, University of the Witwatersrand, Jan Smuts Avenue, Johannesburg, South Africa, no later than 15 May 1972 for further information.

Applications are invited for positions in the following disciplines: MICROBIOLOGY, PARASITOLOGY/GENERAL ZOOLOGY, and PLANT ECOLOGY/GENERAL BOTANY. Applicants are required to have a Ph.D. or provide evidence that the degree will be obtained in the very near future. Individuals from all racial and ethnic groups and women are encouraged to apply. Interested individuals should send a letter of inquiry and professional vitae to: **Dr. Richard F. Nelson, Head, Biological Sciences Department, California State Polytechnic College, San Luis Obispo, California 93401.**

POSTDOCTORAL POSITION IN NEUROPHYSIOLOGY

Position available for Ph.D. in Physics, Chemistry, Engineering, or Biology in laboratory currently studying neurophysiology and biophysics of photoreceptors. Applicants should provide curriculum vitae and list of references. Please send inquiries to:

Professor J. E. Brown
Department of Anatomy
School of Medicine
Vanderbilt University
Nashville, Tenn. 37232

ASSISTANT PROFESSOR VERTEBRATE TOXICOLOGY for environmental studies with research team. Ph.D. interested in research and teaching. Equal opportunity university employer New York City Metropolitan area. Minimum salary, \$12,121. Résumé and transcript of courses.

BOX 194, SCIENCE

ZOOLOGIST (Anatomist, Physiologist, and Developmental Biologist). A 1-year appointment as instructor in Biology is open to fill a temporary vacancy at the University of Pittsburgh at Greensburg, Pa. Appointment will begin September 1972 and will include the instruction of freshman and sophomore classes in Biology. Degree requirement as M.S. degree. Teaching experience preferred. Applicants who meet affirmative action guidelines will be considered foremost.

Send application, vitae, and the names of three referees to **Dr. Kenneth Bell, University of Pittsburgh at Greensburg, 122 North Maple, Greensburg, Pa. 15601.**

UNIVERSITY OF WISCONSIN, MADISON DEPARTMENT OF ZOOLOGY

Applications are invited for a position that will involve organization, coordination of, and participation in a large elementary teaching program in zoology. Criteria for selection will stress innovativeness in elementary teaching, breadth and depth of understanding of biological research, and ease of interaction with staff and undergraduate students. Deadline for submission is 4 weeks from this date of publication. Please include with your curriculum vitae a short expression of your current interests in teaching and research. An equal opportunity employer.

Dr. Warren P. Porter
Department of Zoology
1117 W. Johnson St.
Madison, Wisconsin 53706

COURSES

SANTA CATALINA MARINE BIOLOGICAL LABORATORY

The Santa Catalina Marine Biological Laboratory is pleased to announce its SUMMER AND FALL PROGRAMS FOR 1972:

June 21-July 25: BASIC NEURONAL PROCESSES (ELECTRO-BIOLOGY)
July 27-August 30: BEHAVIOR OF MARINE ANIMALS
September 6-September 26: OIL POLLUTION AND THE MARINE ENVIRONMENT
October 2-November 4: COMPARATIVE PHYSIOLOGY OF MARINE ANIMALS AND ADVANCED UNDERWATER TECHNIQUES
November 9-December 16: OCEANOLOGY
January 3-February 6 (1973): MARINE ECOLOGY

A distinguished faculty has been engaged for these courses, all of which are offered at the graduate level. Registration is through the University of Southern California and is available to advanced undergraduates, graduates, and postgraduates.

Supplementing our formal coursework, INDEPENDENT or DIRECTED RESEARCH may be pursued at any time of the year.

For additional information, write to **Dr. Russel L. Zimmer, Director, Santa Catalina Marine Biological Laboratory, P.O. Box 398, Avalon, California 90704** or telephone area code 213, Avalon 811 (operator's assistance is required).

PROFESSIONAL PROGRAMS

DOCTOR OF OPTOMETRY (O.D.)

Accelerated professional program of two calendar years specifically designed for the Ph.D. in physical, biological, behavioral, or engineering sciences. An opportunity for an independent professional career; program starts summer 1972.

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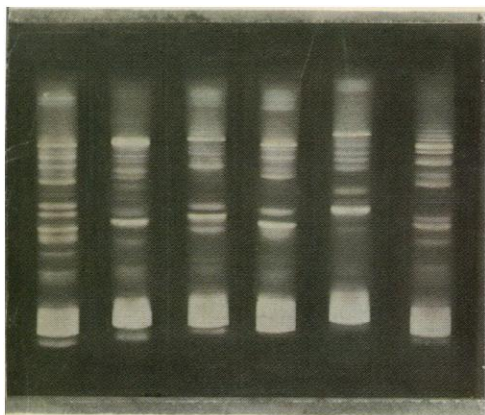
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WESTWOOD, N. J. 07675
(201) 664-7070

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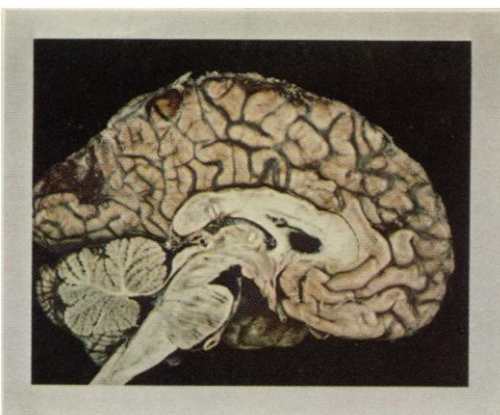
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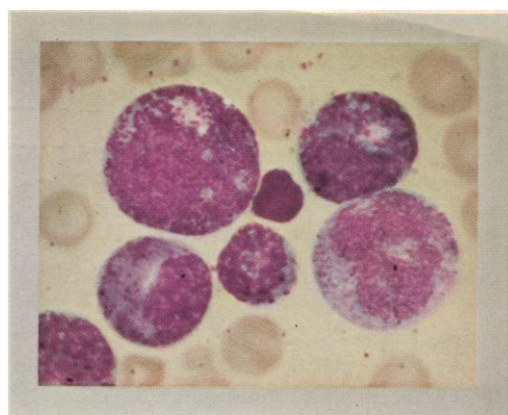
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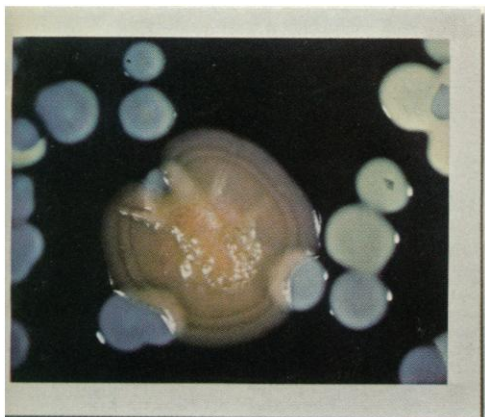
Starch gel electrophoresis (negative).



Visual cortex showing encephalomalacia.



Photomicrograph, human leukemia (1600 X).



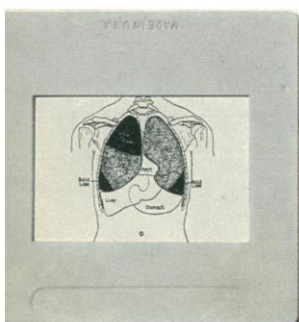
Macrophotograph, blood culture.



Artificial valve in animal heart.



X-ray copy.



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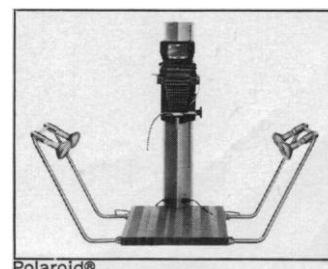
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What have we done that's new? Nothing, really. Except a few styling improvements. But basically, it's the same high-quality instrument you've been using for over 60 years. And, you know it's a good one.

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