

## Biostatistics

Miles Laboratories, Inc., a multi-divisional chemical, pharmaceutical and consumer products company has an excellent opportunity for an analyst in the Corporate Operations Research Department.

The successful candidate will fill an expanding need in assisting all divisions with laboratory and clinical studies. The applicant should have formal training in biostatistics to the Masters or Doctoral level. He would be expected to provide consultation on protocols, experimental designs, and assist in analysis. His statistical knowledge would also be utilized in the areas: marketing, manufacturing, etc.

If you feel you possess excellent written and oral communications skills, and have the ability to deal effectively with middle and upper management personnel, we encourage you to submit a complete resume in confidence to:

Curtis A. Brown, Placement Representative, Dept. 559-A



**MILES LABORATORIES, INC.**

ELKHART, INDIANA 46514

*An Equal Opportunity Employer*

## The University of Western Ontario

### CHAIRMAN OF THE DEPARTMENT OF ANATOMY

Applications are invited for this position, to be effective on or about September 1, 1972. The appointee would be responsible for the administration of the Department, as well as teaching responsibilities at the undergraduate and graduate level within the Faculties of Medicine, Dentistry, Science, Nursing, Graduate Studies, and Physical Education. This appointment would be for a five-year term renewable. Salary will be commensurate with training and experience. The closing date for applications is February 29, 1972.

Interested candidates should forward a copy of their curriculum vitae, list of publications, and the names of two referees to be contacted for letters of reference to:



**Dr. D. Bocking,**  
Dean of Medicine,

The University of Western Ontario,  
London 72, Ontario, Canada.

## Personnel Placement

**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.

**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 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

**Biological Electron Microscopy**, M.A. in biology with related experience in electron microscopy and associated techniques. Please reply George E. Visscher, 602 Grove Street, Clifton, N.J. 07013 (202-472-1961).

**Biologist**, Ph.D. (genetics, 1965), broad training, 36. Special interest innovative undergraduate education. Desires to help build creative major in academically sound department. Write c/o Box 34823, Dallas, Texas 75234. 1/21

### POSITIONS WANTED

**Biologist/Chemist**, Ph.D., university teaching experience, 14 years of research experience electrophoresis, protein, nucleic acid fractionation, tissue culture. Industry, university, government position. Interests: development, hormones, vitamins, cell biology, aging, enzymes. Box 9, SCIENCE. 1/21

**Biologist-Virologist**, Ph.D., 12 years of experience in research (cocarcinogenesis, infectious diseases, tissue culture), teaching and administration. Seeks challenging position with responsibilities in these base areas related to human health. Box 1, SCIENCE. X

**Biophysicist**, Ph.D. physics, 1968. Postdoctoral experience in theoretical biophysics and in experimental BLM (membrane) research. Two years teaching undergraduates. Seeks teaching position. Will accept overseas position. Box 2, SCIENCE. X

**Biophysicist**, Ph.D. (1968) with broad training, including relaxation spectrometry; interest and experience in viral protein self-assembly; history of grant-getting success; desires research/academic position. Box 18, SCIENCE. X

**Cellular Molecular Biologist**, Ph.D. 1968, aged 31. Experience in cell cycle analyses, macromolecular syntheses, chromosome structure-function, animal viruses, cell and tissue culture, radioisotopes, electron microscopy. Two years postdoctoral, 2 years industrial research institute. Desires research-teaching or industrial position. Box 3, SCIENCE. X

**Clinical Biochemist** with 10 years postdoctoral experience wants position in clinical laboratory. Considerable toxicology experience. Box 4, SCIENCE. X

**Ecologist**, 31, Ph.D. early 1972, 4 years of college teaching. Desires position in ecology, population ecology, human ecology, or vertebrate zoology. Box 5, SCIENCE. X

**Ecologist**, Ph.D., 23 years with Communicable Disease Center (USPHS) in vector-borne diseases, control, research, and training. Harold Stark, Box 551, Fort Collins, Colorado 80521. X

### POSITIONS WANTED

**Embryologist, Descriptive and Experimental**, Ph.D., seeks teaching position with research opportunities in college or university, preferably in central or north-central area. Box 6, SCIENCE. 1/14, 21

**Endocrinologist**, Ph.D., 1966, M.S., 1954. Extensive research experience in reproductive physiology, biochemistry, some pharmacology. Desires senior research appointment at university, industry, or non-profit institute. Would consider teaching-administrative position at small college. Box 19, SCIENCE. X

**Ethology, Behavior Genetics**, want interesting postdoctoral or other research position in the field or laboratory or both (no pointy-headed intellectuals please). I'm 31, married, strong biochemical background, recent European doctorate. Box 15, SCIENCE. X

**Experimental Pathologist**, graduate veterinarian, M.S., Ph.D.; experience in infectious diseases research; drug safety evaluation including toxicology, clinical pathology, teratology, chemical carcinogenesis; comparative pathology, histochemistry; research organization, administration; publications. Desires research, faculty, or industry position. Box 20, SCIENCE. X

**Microbiologist**, Ph.D. Postdoctoral, university experience, 4 years of teaching and research, interest medical microbiology and immunobiology, publications. Desires medical school, clinical, or research institute position. Box 21, SCIENCE. X

**Nutritionist-Biochemist**, Ph.D. (1969), with veterinary background. Publications. Postdoctoral experience. Seeks academic or industrial position. Box 22, SCIENCE. X

**Research Professor**, dedicated teacher seeks change. Experience as chairman. Qualified in polymers, hemorheology, hemodynamics, modeling, aging. Many honors, grants, publications. Can bring two membrane osmometers, vapor osmometer, light scattering apparatus, electrophoresis, many viscometers, microcalorimeter, spectrophotometer, polarimeter, interested? For résumé, write Box 10, SCIENCE. X

**Organic Geochemist/Oceanographer**, Ph.D., experienced in analysis of trace organics in sea water and marine sediments. Seeks research/teaching position. Box 7, SCIENCE. X

## POSITIONS WANTED

**Pharmacologist, Ph.D.**, 5 years experience teaching/research, presently associate professor. Research grant, inflammation. Publications. Seeks academic position. Available July 1972. Box 8, SCIENCE. X

**Physiological Zoologist, Ph.D.**, 1969, and wife, **Physical-Inorganic Chemist, Ph.D.**, 1967, seek academic positions in college or university. Competence in physiology of vision and ESR, respectively. Box 17, SCIENCE. X

**Professor (Ph.D.)** seeks interesting and responsible position. Extensive research, teaching, administrative experience medical schools and universities. Seventy-five publications visual biochemistry and neurophysiology. Grants. Available immediately. Box 16, SCIENCE. X

**Technical Editor and Writer, Ph.D.** (1961). Diversified research experience. Published book chapters. Résumé upon request. Box 11, SCIENCE. X

**Zoologist, Ph.D.** Desires teaching-research position for September 1972. Publications and research in mammalian ecology as related to mineral and nutrient cycling. Systems analysis experience. Box 12, SCIENCE. 1/14

**Zoologist, Ph.D.**, 40, 8 years of university teaching experience in a variety of subjects. Special teaching and research interests in invertebrate zoology, entomology, parasitology. Seeks teaching position with opportunity for research. Box 13, SCIENCE. X

**Zoologist, Ph.D.**, 30. Biochemistry, physiology, or parasitism. College teaching, postdoctoral experience. Publications. Desires academic position. Box 14, SCIENCE. X

## POSITIONS OPEN

### GRADUATE COLLEGE DEAN

Large urban medical center with an established but evolving and varied program graduating about 42 Ph.D. students a year in several health sciences disciplines. An active, innovative administrator with good teaching and research background, and sense of dedication to high academic standards, is sought. Respondant may be of any age but should have experience in management of funds and preferably in acquisition of extramural support. Replies will be directed to the chairman of the search committee, and will be treated as privileged. Inquiries about respondents will not be made without preliminary discussion and the respondent's consent.

Box 23, SCIENCE

## POSITIONS OPEN

### BIOLOGIST-SENIOR

**Ph.D. in aquatic ecology or biology** required with minimum of 5 years experience. Must have field experience and proven report writing capability. Competency in design of experiments and statistical interpretation of data preferred but not required.

**OFFICE LOCATION—**  
Tappan, New York (Rockland County)

**MAJOR STUDY EFFORT—**  
New York State Lakes,  
River & Estuaries

Salary negotiable depending on  
experience and qualifications:

Please send resume including salary history to:

Bx SC1327, 810 7th Ave., NY 10019

An Equal Opportunity Employer

### TECHNION

#### ISRAEL INSTITUTE OF TECHNOLOGY

Faculty of Mechanical Engineering  
Applications are invited for positions of

- Professor
- Associate Professor
- Senior Lecturer
- Lecturer

The Department has 900 undergraduate students and is expanding to meet the growing needs of Israel for mechanical engineers. We are looking for candidates in all fields of Mechanical Engineering.

Assistance is offered in moving to Israel and in learning Hebrew. Please write for details with curriculum vitae to:

**D. Pnueli, Dean**  
Faculty of Mechanical Engineering  
Technion-Israel Institute of Technology  
Technion City  
Haifa, Israel

**RESEARCH ASSOCIATE** position available immediately for studies involving the effects of function. Applicant should have experience in chronic tobacco smoke exposure on pulmonary assessing pressure-flow-volume relationships. Salary \$10,000. Send vitae to:

**Dr. Louis Diamond**  
College of Pharmacy  
Albert B. Chandler Medical Center  
University of Kentucky  
Lexington, Kentucky 40506

## POSITIONS OPEN

### TOXICOLOGIST DVM/Ph.D. FEMALE/ MALE

Position for a Toxicologist with 2 to 3 years of experience in the field, who has a special interest in working with non-human primates. Post-graduate training in physiology would be desirable.

For further information please direct a resume of your qualifications to:

Research Personnel  
**SCHERING  
CORPORATION**  
60 Orange Street  
Bloomfield, N.J. 07003



Applicants of all races are encouraged to apply.

## GRADUATE STUDY

### GRADUATE STUDY IN PHARMACOLOGY.

A program leading to the Ph.D. degree involving course work and research training which stresses research on fundamental mechanisms of drug action on neural, neuro-humoral, membrane transport, and endocrine systems using electrophysiological, biochemical, and computer techniques. Full stipend and tuition available to qualified U.S. citizens. Early application for September 1972 strongly advised. Department of Pharmacology, Schools of Medicine and Dentistry, State University of New York at Buffalo, 122 Capen Hall, Buffalo, N.Y. 14214.

## FELLOWSHIP

### POSTDOCTORAL FELLOWSHIP IN MICROBIOLOGICAL CHEMISTRY

This Fellowship is available at the Research Council of Alberta (laboratories on the campus of the University of Alberta) in fundamental research related to lipid metabolism.

Applicants should be recent Ph.D. graduates. Previous experience in enzyme and/or lipid work is desirable.

The Fellowship is awarded on a 1-year basis with a maximum tenure of 2 years. The annual stipend, which is currently income tax free is \$6400, for the first year. No extra allowance is granted for travel.

Address inquiries to:

The Director of Research  
Research Council of Alberta  
U of A Campus  
EDMONTON 7, Alberta  
Canada

## COURSES

### SANTA CATALINA MARINE BIOLOGICAL LABORATORY

The Santa Catalina Marine Biological Laboratory is pleased to announce its Spring Program for 1972: **MARINE ECOLOGY** (Drs. Jack Lewis of the Wellcome Marine Laboratory, Leeds University, England, and Robert Given) will be offered 6 January to 9 February; **MARINE BOTANY AND PHYSIOLOGY** (Drs. George Hollenberg and Nancy Nicholson), 14 February to 18 March; **MARINE INVERTEBRATE ZOOLOGY** (Drs. Kristian Fauchald and Robert Given), 23 March to 26 April; and **DEVELOPMENTAL BIOLOGY OF MARINE ORGANISMS** (Drs. Robert Woollacott and Russel Zimmer), 1 May to 3 June. Each of these graduate level classes carries five semester units credit; 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 during the year.

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

## NATIONAL RESEARCH COUNCIL OF CANADA

### DIVISION OF BIOLOGY (OTTAWA)

requires a

### BIOMATHEMATICIAN

#### DUTIES:

To lead the Division's Biomathematics group in collaborative investigations in quantitative biology, and in development of automatic data processing facilities. Current areas of investigation include kinetics of microbial and plant cell culture growth; mechanisms of recovery from radiation damage of the mouse intestinal crypt-villus system; translocation of pollutants through a river ecological system. Independent studies may also be undertaken.

#### FACILITIES:

Organized collaboration with biological research groups; access to NRC IBM 360-67 computer via own terminal; within group computer programmers with cooperation from NRCC Computation Centre staff; immediate access to National Science Library, located in NRCC.

#### QUALIFICATIONS:

A Ph.D. degree in biomathematics, or in a related field with some formal background in biology, and several years of post-doctoral research experience. Demonstrated group leadership qualities plus desire and ability to collaborate effectively with biologists in joint programmes.

#### SALARY:

This is a senior position with initial salary up to \$24,500 p.a. depending on qualifications of the successful candidate. Travel and removal expenses are also available, along with other coverage such as a superannuation plan, hospital and medical insurance, salary insurance, etc.

Please apply in writing to the Employment Officer, National Research Council of Canada, Ottawa, Ontario, K1A 0R6, giving full information on education and experience. Please quote file BY-71-7.

The most  
accurate  
dilutor made.

Naturally, its  
also the most  
expensive.



What makes the Brinkmann Automatic Dilutor so expensive (\$2,700) is what makes it so phenomenally accurate: a digital electronic volume setting system, and two precision cylinder and piston assemblies (with only two moving parts in each).

Sample and reagent are mixed additively, automatically. Liquids contact only glass and PTFE components. Simple, push-button operation. Operating range: Reagent, 1.0 to 5,000  $\mu$ l in steps of 1.0  $\mu$ l; Sample, 0.1 to 500  $\mu$ l in steps of 0.1  $\mu$ l.

Before you splurge, get our literature. Just write: Brinkmann Instruments, Cantiague Rd., Westbury, N.Y. 11590. In Canada, write: Brinkmann Instruments (Canada) Ltd., 50 Galaxy Blvd., Rexdale (Toronto), Ont.

**Brinkmann**



## FOR YOUR PROFESSIONAL LIBRARY

**HISTOPLASMOSIS:** Proceedings of the Second National Conference. Held at the Center for Disease Control, Atlanta, Georgia. Editorial Board: Libero Ajello; Ernest W. Chick; and Michael L. Furcolow. (61 Contributors) '71, 540 pp. (6 3/4 x 9 3/4), 72 il., 113 tables, \$34.00

**ANIMAL EXPERIMENTS IN PHARMACOLOGICAL ANALYSIS** by Floyd R. Domer, Tulane Univ., New Orleans. '71, 688 pp., 65 il., 1 table, \$26.50

**COMPARATIVE REPRODUCTION OF NONHUMAN PRIMATES** edited by E. S. E. Hafez, Wayne State Univ. School of Medicine, Detroit. (21 Contributors) '71, 557 pp., 301 il. (14 in full color), 38 tables, \$29.50

**EFFECTS OF METALS ON CELLS, SUBCELLULAR ELEMENTS, AND MACROMOLECULES** edited by Jack Maniloff, James R. Coleman, and Morton W. Miller, all of the Univ. of Rochester, New York. Foreword by Aser Rothstein. (26 Contributors) '70, 416 pp., 120 il., 24 tables, \$20.50

**CHEMICAL FALLOUT:** Current Research on Persistent Pesticides edited by Morton W. Miller and George G. Berg, both of Univ. of Rochester, New York. Foreword by Aser Rothstein. (33 Contributors) '69, 560 pp., 180 il., 105 tables, \$22.50

**HUMAN ECOLOGY AND SUSCEPTIBILITY TO THE CHEMICAL ENVIRONMENT (3rd Ptg.)** by Theron G. Randolph, The Swedish Covenant Hospital, Chicago. '70, 160 pp., 1 il., \$7.50

**THE ROLE OF MYCOPLASMAS AND L FORMS OF BACTERIA IN DISEASE** edited by John T. Sharp, Baylor College of Medicine, Houston. (18 Contributors) '70, 400 pp. (7 x 10), 123 il., 15 tables, \$26.50

**EXPERIMENTAL MUSCULAR DYSTROPHIES IN ANIMALS: A Comparative Study** by Ira Rockwood Telford, The George Washington Univ., Washington, D. C. In Collaboration With Larus Einarson. '71, 264 pp., 166 il. (2 in full color), 13 tables, \$17.50

CHARLES C THOMAS • PUBLISHER • SPRINGFIELD • ILLINOIS • 62703  
301-327 East Lawrence Avenue

## Research Microbiologist

The Marshall Division of Miles Laboratories, Inc., a world leader in the application of microbiology and enzymology to the dairy and food industries, has an excellent opportunity for a Research Microbiologist.

Successful candidate must have a PhD. in microbiology with expertise in fungal genetics and mycology. This individual should also possess a strong background in cell biology and biochemistry. The responsibilities will include the development of genetic systems and consultation with other scientists involved in strain improvement programs.

Location will be in Elkhart, Indiana, an excellent family environment abounding with educational and recreational facilities. We offer an excellent starting salary plus a superior benefits program, including profit sharing. Relocation expenses paid by the company.

Send personal resume plus salary requirements in confidence to:

Curtis A. Brown, Placement Representative, Dept. 558-A

**MARSCHALL DIVISION**



**MILES LABORATORIES, INC.**

ELKHART, INDIANA 46514

An Equal Opportunity Employer

# 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

