Secretary of State Henry Kissinger last spring called the current round of conferences "an unprecedented agenda of global consultation." It is an agenda for which the United States is not notably well prepared.

Under Kissinger, American foreign policy has been primarily a "great powers" policy. But a new kind of balance of power equation appears to have developed. Third World countries remain militarily inferior to Western and socialist countries, but the developing countries appear to be protected from big-power aggression by the strategic standoff between the East and West. And Third World countries' control of oil and other resources give them increasing economic and political leverage.

U.S. relations with developing countries were badly strained by the Vietnam war and, since that period of stress, the size and motives of the U.S. Agency for International Development (AID) program have been questioned increasingly by critics in this country and abroad. Partly as a result, the assumptions that have governed the AID program have been undergoing reexamination.

For example, a study\* done in preparation for the Bucharest conference by a group of anthropologists under an AID contract with the AAAS Office of International Science takes issue with the "theory of demographic transition," which has been a basic premise of development theory. The assumption has been that industrialization and urbanization in developing countries will result directly in lowered fertility rates. The study points to evidence that there are important exceptions. The point is that the AID program has been operated for nearly three decades without an adequate grasp of cause and effect in development and population matters.

All of this might have merely meant a continuing awkwardness for Americans in the delegate lounges at world conferences if the coincidence of the oil price push and two bad crop years had not made it finally clear that there is a world system in which supply threatens to fall seriously behind demand. This fact was not faced squarely at Bucharest, but, with a little bad luck and bad weather, both sides in the dispute about which should come first—population control or global social justice—may find it is later even than they think.—John Walsh

# **NOW FROM TELEDYNE ISOTOPES** MASS ..... FOR THE MOST ACCURATE ISOTOPIC ANALYSIS KNOWN . . . . . .... THE INSTRUMENT USED TO ESTABLISH WORLDWIDE STANDARDS FOR SURFACE OR THERMAL IONIZATION ..... DEVELOPED BY WILLIAM R. SHIELDS PRODUCED BY TELEDYNE ISOTOPES ▼ ISOTOPE GEOCHEMISTRY..... V AGE DETERMINATION ANALYSIS **▼ NUCLEAR FUELS AND POISONS** V TRACE ELEMENT ISOTOPE DILUTION ANALYSIS ..... ▼ INDUSTRIAL PROCESS CONTROL INSTRUMENTATION ..... **V** ENVIRONMENTAL MEDICINE STUDIES ..... ... FROM THE COMMERCIAL LEADER IN FUEL ASSAY AND ISOTOPIC ANALYSIS ....

## TELEDYNE ISOTOPES

110 W. Timonium Rd., Timonium, Md. 21093 Phone: 301-252-8220 Telex: 87-780

<sup>\*</sup> Culture and Population Change (AAAS, Washington, D.C., 1974).

# 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 adverticing.

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 adver-tising to:

SCIENCE, Room 207 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

Biochemist, Ph.D. 1964, physics B.S., desires teaching and/or research position. Current research: cellular protein uptake, lysosomal protein catabolism and membrane permeability. Enzymology, steroid, physical biochemistry experience. Publications. Teaching experience biophysics, membranes, biochemistry, physiology, to graduate, medical, dental students. Interested in undergraduate teaching. Available immediately Boston area; 1975 elsewhere. Box 437, SCIENCE. X

Biochemist, Ph.D. 1972. NIH postdoctoral fellow in neurochemistry. Publications in lipid metabo-lism and membrane biochemistry. Seeks academic or industrial position. Box 438, SCIENCE. X

Ph.D. **Biochemist.** Five years of postdoctoral experience. Background in potein (enzyme) chemistry, especially blood coagulation and clots dissolution. Seeks industrial, hospital or teaching position. Box 439, SCIENCE.

Bioengineer, Dr.r.s. (Vienna 1950), electronics orientation. Worldwide R&D experience, computer software (FORTRAN/COMPASS) programming and analog hardware. Eleven years of engineering, consulting, and administrative experience in Europe, Africa and Mideast. Speaks five languages fluently. Seeks commensurate, preferably academic, or commercial/government permanent position. Willing to relocate. Please address inquiries to P.O. Box 1172, Rochester, Minn. 55901. X

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.

Math. Desire situation in math-dependent area. Have background (at graduate level) in math and science. Tutorial experience in mathematics (all levels). Research experience in crystal structure analysis (proteins). Computer programming experience in research applications and systems. M.A. degree. Present address: New York City. Box 425, SCIENCE.

Pharmacologist, Ph.D. Pharmaceutical company assistant director medical communications with clinical drug research experience, seeks appropriate directorship. Box 440, SCIENCE. 10/4

Plant Ecologist, Ph.D., woman, desires teaching, research, or combination position. Experience: 3 years consulting, including terrestrial surveys for environmental statements; 5 years small college, teaching botany, ecology, general biology. Box 441, SCIENCE. 10/25; 11/22

Plant Physiology-Botanist. Ph.D. 1974. Wishes to cooperate with industrial on improving crop yields by manipulating plants and their environment. Can add field, laboratory, biochemical, enzymological and physical experiences to program, Box 427, SCIENCE.

#### 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.

## AIR POLLUTION RESEARCH INVESTIGATOR

Development and conduct research related to industrial air and solid waste emissions. M.S. in Chemical Engineering, 3 years' experience in industrial air pollution, research experience with publications. Position available immediately, salary negotiable. Send résume to Civil Engineering Research Facility, Box 188, University of New Mexico, Albuquerque, N.M. 87131. An Equal Opportunity Employer.

# ASSISTANT/ASSOCIATE DEAN FOR RESEARCH THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

The appointee for this new position will have primary responsibility for the development and strengthening of interdisciplinary biomedical research. The Assistant/Associate Dean will be specifically responsible for selection of areas of interdisciplinary research emphasis; identification of program needs and determination of available resources; priority allocation of resources to selected programs; and monitoring of program progress in relation to institutional and program objectives.

Qualifications: A background of excellence in and commitment to research, knowledge of research funding trends and sources, and administrative experience.

Salary and level of appointment commensurate

trative experience.
Salary and level of appointment commensurate with qualifications and experience.
Respond by 1 November 1974 to: Chairman, Search Committee, Office of the Dean, The University of Michigan Medical School, 1335 Catherine Street, Ann Arbor, Mich. 48104. A Non-Discriminatory Affirmative Action Employer.

#### ASSISTANT PROFESSORS

Openings for ecologist (starting January 1975) and animal physiologist (starting September 1975) at assistant professor level. Duties involve participation in courses at undergraduate and M.S. graduate level. Ph.D. required, research expected, salary competitive. Send curriculum vitae and three letters of recommendation to: Dr. William J. Nunez, Chairman, Department of Biology, University of Detroit, Detroit, Michigan 48221. An equal opportunity employer.

#### **BIOCHEMIST**

University academic position for Ph.D. biochemist in Midwest psychiatric institute. Equal Opportunity Employer

#### **Box 442, SCIENCE**

Biological Survey, New York State Science Service. Senior staff position. Directs and conducts research in botany: seed plants and/or lower plants and/or economic botany. Explores and studies the botanical natural resources of the State with regard to their occurrence, abundance, and economic importance. Requires doctorate, 4 years of appropriate experience. Competitive salary, excellent fringe benefits. Résumés to Box 1, Personnel, State Education Department, Albany, New York 12224. An Equal Opportunity Employer.

#### CHAIRPERSON

Department of Microbiology, New York Medical College. Applicants for the position of Professor and Chairperson of Microbiology from qualified individuals are requested. New York Medical College is an affirmative action/equal employment employer. Applicants should submit curriculum vitae and bibliography to Robert Goldstein, M.D., Chairman of Search Committee, Department of Medicine, New York Medical College, 1249 Fifth Avenue, New York, New York 10029.

## POSITIONS OPEN

#### ASSISTANT PROFESSOR, FOOD CHEMISTRY

For Consumer Food Science group. Responsibilities: teaching food chemistry, introductory experimental foods, scientific principles of food preparation, physical aspects of foods. Research program. Required qualifications: Ph.D. in Home Economics with Food Science emphasis, or in Food Chemistry or Food Science. For further information write Dr. E. F. Caldwell, Head, Department of Food Science and Nutrition, University of Minnesota, St. Paul, Minnesota 55108. Include résumé. Apply by 1 November 1974. An Equal Opportunity and Affirmative Action Employer.

Applications or nominations are invited for the position of PROFESSOR AND CHAIRPERSON of the Department of Biological Structure (Anatomy). Applicants must possess the Ph.D. or M.D. degree, have an outstanding record in research and proven ability to direct medical and graduate programs. The University of Miami is an equal opportunity/affirmative action employer. Correspondence should be addressed to: Dr. Lincoln Potter, Chairman, Search Committee, University of Miami School of Medicine, P.O. Box 520875, Miami, Florida 33152.

#### **FACULTY POSITIONS**

FACULTY POSITIONS

Cancer Immunologists, Cellular Immunologists, Immunogeneticists, Immunochemists, Clinical Immunologists, Molecular Virologists, and so forth, Ph.D. and/or M.D. being sought for an 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, golf, and swimming).

All faculty positions funded by state appropriations. Technical, editorial, and secretarial assistance available in the department, in addition to graduate student stipends. All positions competitive on an international level. Rank and salary commensurate with qualifications, experience and teaching competency, 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.

#### **ENVIRONMENTALISTS**

Occupational Health Specialist. Academic positions available immediately. In innovative program in growing School of Public Health. Duties include teaching and research in graduate program.

Senior Industrial Hygienist. Associate to full professor level with strong Environmental Physiology or Biology Industrial Toxicology background or experience.

Ph.D. in Industrial Hygiene with safety and inplant experience—assistant professor level.

Occupational Physician. Interested in teaching, research and development of new residency in Occupational Medicine in School of Public Health and School of Medicine. Assistant to full pro-

Salary for each position (all three are 12-month appointments) is negotiable.

The University of Illinois is an equal opportunity employer and encourages applications from women and minority groups.

Send biographical and other pertinent information, transcripts and at least three letters of reference to: B. W. Carnow, M.D., School of Public Health, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Illinois 60680.

## MASS SPECTROSCOPIST ASSISTANT PROFESSOR

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 applications 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. 80220.

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

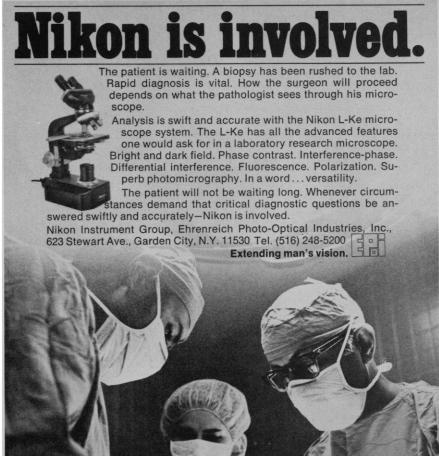
# **15-Second Prints**

# Cordis Immuno-Diffusion Camera



Ideal for photographing in-progress or final results of 1 and 2 dimensional IDF, immuno- and membrane disc electrophoresis, hemagglutination, pregnancy tests, blood typing, bacterial sensitivities and counts. Yields clear, sharp Polaroid prints of wet, dry, stained or unstained translucent materials. Faint or closely-spaced precipitin lines are easy to see and interpret because you can select light- or dark-field illumination at 1.9 or .9 magnification. Supplied with light diffuser, film, positioning adapters for slides and plates. Write or call for technical literature, demonstration in your laboratory.





Circle No. 468 on Readers' Service Card

# ASSOCIATE DIRECTOR PROGRAM PLANNING AND EVALUATION

## National Institutes of Health Public Health Service

NIH invites applications for the position of Associate Director for Program Planning and Evaluation. The office is the primary focus in the Office of the Director, NIH, for policy interactions with the several NIH institutes, other components of the Public Health Service, the Department of Health, Education, and Welfare, the Congress, and other federal agencies. A key member of the NIH Director's staff, the Associate Director is responsible for supervising three divisions concerned with (1) planning and evaluating NIH programs, (2) analyzing national resources for biomedical research, and (3) developing, tracking, and supporting health research legislation.

A high degree of executive ability in the realm of science and public policy is required. Applicants are sought who have experience in the administration of biomedical research programs, and preferably in the performance of such research. A doctorate in medicine, science, or both, while not an absolute requisite, would be highly desirable.

Position is in the top pay level of U.S. Civil Service general schedule, or the Public Health Service Commissioned Corps. Located in Bethesda, Maryland. Letters of application with curriculum vitae should be addressed to:

Ronald W. Lamont-Havers, M.D. Deputy Director, National Institutes of Health, Building 1, Room 107, Bethesda, Maryland 20014

LETTERS MUST BE RECEIVED BY 7 OCTOBER 1974 to be considered.

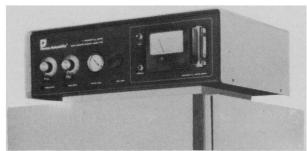
An Equal Opportunity Employer

# New automatic CO<sub>2</sub> incubator. From Forma. Automatic.

Just set the desired  $CO_2$  level and the incubator maintains itself within  $\pm$  0.2° C, reducing  $CO_2$  consumption by as much as 95%. Readout is continuous on a large 4" scale meter; there's a panel-mounted  $CO_2$  flow indicator. An even distribution of internal  $CO_2$  environment eliminates  $CO_2$  stratification. Temperature and humidity are uniform throughout the chamber with no air supply required. The chamber is automatically and quickly replenished after door openings, eliminating the need for manually activated recovery systems. Reliability is built in, with solid state electronics and stainless steel construction.

Write or call Forma for further details.





Circle No. 268 on Readers' Service Card

# **BIOMEDICAL** ABSTRACTORS,

We have immediate openings for creative scientific literature analysts. These demanding positions will challenge your professional skill & imagination. Our requirements include:

- Above average ability to analyze and evaluate biomedical research papers perceptively, critically and in-depth.
- Proven ability to articulate your analyses in the form of precisely stated summaries and index
- A graduate degree in physiology, biochemistry, or other bioscience. Reading ability in German and/or French is desirable.

Full-time only in excellent NYC location. Salary competitive and commensurate with qualifications. Generous fringe benefits and pension plan.

Please send complete curriculum, including uninterrupted professional history starting with undergraduate degree, samples of writing and at least three professional references.

Send applications in strict confidence to:

Box 456, SCIENCE

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# CANCER BIOLOGIST

Position is open for a leader of cancer chemotherapy screening program. Applicant must have experience in screening of anticancer drugs in mice and rats. Applicant must be able to lead program in cancer chemotherapy screening including the development of new screening methods. Experience is of greater importance than academic training. Leadership and organizational ability are of utmost importance in this position.

# **CHEMIS**

Position is available for experienced Ph.D. Immunochemist to develop programs related to isolation and purification of antigens, treatment of antigens to enhance antigenicity and to study mechanisms of antigen formation. Studies will be related to a variety of problems including cancer, bacterial and parasitic diseases. Opportunity exists to collaborate with Scientists of various disciplines on these important problems.



Both positions at SRI on the beautiful San Fran-cisco Peninsula. Send summary of background and experience to Mrs. Harriet Wherry, Personnel Coordinator, SRI, Menlo Park, Calif. 94025. An Park, Calif. 94025. An equal opportunity employ er.

#### POSITIONS OPEN

## JUNIOR POSITION IN RADIOBIOLOGY AND ANATOMY

Ph.D.; primary interest in hard tissues; applicant must be expert in thick and thin sectioning of undecalcified bone, thin sectioning of decalcified bone, autoradiography, microradiography, hard tissues electron microscopy, dosimetry, morphometric methods of analyses (image-analyzing microscopy). Will supervise one or more graduate students. Preferably conduct independent research in proliferation and differentiation of hard tissue cells. Send curriculum vitae to Dr. W. S. S. Jee, Department of Anatomy, College of Medicine, University of Utah, Salt Lake City, Utah 84132.

Equal Opportunity Employer

#### DEPARTMENT OF MICROBIOLOGY UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE CINCINNATI, OHIO 45219

Applications are invited for two faculty positions to start 1 July 1975. Duties include teaching of medical students and graduate students. It is anticipated that successful candidates will develop independent research programs.

- 1) Electron Microscopist with research experience in virus-eukaryotic cell systems preferred. Appointment at senior academic level. Candidates should have recognized distinction in both research and teaching. Appointee must assume departmental responsibility for new, complete, two-scope EM facility.
- 2) Immunologist with strong background in chemistry. Appointment at assistant professor level. Postdoctoral experience required.

Women and minority candidates are encouraged

Send curriculum vitae, résumé of experience, and goals and three letters of recommendation to: Dr. H. C. Lichstein, Head, Department of Microbiology.

#### TWO NEUROSCIENTISTS

TWO NEUROSCIENTISTS

The Department of Neuroscience of the University of Florida College of Medicine has two openings. One position is for a D.V.M. and/or Ph.D. at the Assistant or Associate Professor level to organize the teaching of neuroscience for students in veterinary medicine and function as an independent basic research neuroscientist with graduate teaching responsibilities in the Ph.D. program. This position is open January 1975, or a later agreeable date. The other position is for a Ph.D. neuroscientist at the Assistant Professor level whose responsibilities will include independent research as well as medical and graduate teaching in the Ph.D. program. Postdoctoral experience is preferred. This position is open September 1975. We intend to fill at least one of the two positions with a neuroanatomist, while the area of research for the other position is open. Send curriculum vitae, references, reprints, and research and teaching goals to Dr. Frederick A. King, Chairman, Department of Neuroscience, University of Florida College of Medicine, Gainesville, Florida 32610. An affirmative action/equal opportunity employer.

#### UNIVERSITY OF MELBOURNE AUSTRALIA

#### LECTURESHIP IN THE DEPARTMENT OF ZOOLOGY

Applications are sought from Zoologists with experience, and a continuing interest, in the comparative and environmental physiology of marine invertebrates.

The duties of the position will include contribu-tions to under-graduate teaching including the major responsibility for a unit course in Inverte-brate Zoology in the second year. The appointee will also be expected to take part in developing a programme of teaching and research in Marine Science.

The appointee will be expected to take up duties as soon as possible after 1 February 1975.

SALARY: \$Aust. 9002-\$Aust. 12,352.

Further information, including details of application procedure and conditions of appointment, is available from the Registrar, University of Melbourne, Parkville, Victoria, 3052, Australia. Applications, referring to Position Number 654007 should be addressed to The Registrar and close on 12 October 1974.

#### POSITIONS OPEN

MICROBIOLOGIST: Assistant professorship available for Ph.D. to teach general and medical microbiology, introductory biology, and other courses at a rapidly developing campus. Position available January or September 1975. Must be able to develop research program. Postdoctoral teaching and research experience helpful. Applicants should submit curriculum vitae, three letters of recommendation, and transcripts to: Faculty Search Secretary, College of Arts, Sciences, and Letters, The University of Michigan-Dearborn, Dearborn, Mich. 48128.

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Affirmative Action 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.

#### PHARMACOLOGIST-BIOCHEMIST Ph.D.

Postdoctoral or research position available immediately. Background in general drug evaluation methods and in immunotechniques including immunochemistry and RIA is required for team work with physicians, organic synthesis chemists, and biochemists. Salary commensurate with experience. Equal opportunity/affirmative action employer. Contact Milos Sovak, M.D., Radiology Research, School of Medicine, University of California in San Diego, S-004, La Jolla, California 92037.

PHYSIOLOGIST: Assistant professorship for Ph.D. to teach physiology, introductory biology and other courses at a rapidly developing campus. Position available January or September 1975. Must be able to conduct research program in neurophysiology, post-doctoral teaching and research experience helpful. Applicants should submit curriculum vitae, three letters of recommendation and transcripts to Secretary, Faculty Search Committee, College of Arts, Sciences, and Letters, The University of Michigan-Dearborn, Dearborn, Mich. 48128.

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#### PLANT SCIENTIST

The Board of Studies in biology is seeking ap-Plications for a position as assistant professor.

We plan to appoint a broadly trained plant scientist whose major interest is in the algae; an experimentalist in developmental or ecological experimentalist in developmental or ecological aspects would be preferred. In addition to teaching a major course in the algae, the successful candidate would be expected to contribute to a lower division biology course and college programs, and to develop a graduate program. Applicants should submit a curriculum vitae, reprints, a short statement of teaching and research plans, and the names of four references to the Plant Sciences Search Committee Board of Studies in Biology, Thimann Laboratories, University of California, Santa Cruz, Calif. 05064, by 15 November 1974. The University of California is an ber 1974. The University of California is an Equal Opportunity/Affirmative Action Employer.

#### POSTDOCTORAL NEUROPHYSIOLOGIST

Position available immediately for a postdoctoral fellow trained in neurophysiology interested in studying problems related to the behavior of normal and "epileptic" cortical neurons in acute and chronic preparations. The candidate should be thoroughly familiar with neurophysiological recording and data analysis techniques. Reply to Heinrich Bantli, Department of Neurosurgery, B-590 Mayo, University of Minnesota, Minneapolis, Minnesota 55455.

#### POSTDOCTORAL AND RESEARCH ASSOCIATES

Position available 1 October 1974 for candidate interested in research on Biochemistry of proteases of cultured cells and human cancers and tissues. Submit immediately curriculum vitae, two or more letters of recommendation, and publications to: Ms. M. T. Dixon, The Institute for Cancer Research, Fox Chase Cancer Center, Philadelphia, Pa. 19111. An Equal Opportunity/Affirmative Action Employer.

## UNIVERSITY OF MELBOURNE LECTURERS IN BOTANY

(Two positions)

On the retirement of two senior staff members applications are invited for limited tenure appointments (3 years) commencing not later than February 1975.

#### Position Number 606005

Marine Botany preferably with an emphasis on some aspect of the benthic algae. The appointee will join an active group working on physiological, axonomic and ecological aspects of the benthic algae and phytoplankton of the Victorian Coast.

#### Position Number 606007

One of the following areas—Plant Storage Proteins, preferably structure, function and development in legumes or cereals. The Appointee will join a group investigating the role of proteins and lectins in cell recognition, or Experimental Taxonomy, Cytotaxonomy, Phytochemistry, etc., with particular reference to the Australian flora.

Qualifications: Established expertise in a nominated field and successful experience in tertiary teaching an advantage.

Lecturers appointed will be responsible to pursue research and to teach advanced aspects of their subject, and generally to assist in elementary botanical courses. Further details may be obtained from Professor T. C. Chambers, Botany School.

Salary: A\$9,002-A\$12,352 per annum

Applications, referring to the position number, should include the names of at least three referees, be marked confidential and addressed to Registrar, University of Melbourne, Parkville, Victoria 3052, Australia, from whom conditions of appointment may be obtained. Applications close on 10 October 1974.

# ST. MARY'S HOSPITAL MEDICAL SCHOOL

(University of London)

Paddington, London W2 1PG

Applications are invited for the newly created appointment of

# SENIOR LECTURER IN CLINICAL IMMUNOLOGY

(Consultant Grading)

**\*** 

Applicants must be medically qualified. Duties will include provision of a diagnostic service and clinically orientated research. Salary on the scale for Consultants £5433 per annum  $\times$  £279 to £7665 per annum and £282 to £7947 per annum with superannuation under the F.S.S.U. Applications should be sent by 3 November 1974 to The Secretary from whom application forms and further particulars should first be obtained.

## **MICROBIOLOGIST**

We seek a Ph.D. with emphasis on virology, tissue culture and immunology, plus 2 to 5 years of experience in industrial or institutional research.

As a research Associate, you will lead a group responsible for the development and pilot plant production of candidate viral and bacterial vaccine for testing in man.

Merrill National is a division of a Fortune 500 corporation offering a progressive salary and fringe benefit program.

Our facility is located in the Pocono Mountain region of Pennsylvania. A curriculum vitae may be submitted in confidence to:

> D. H. Gattone Personnel Manager

(Merrell)

MERRELL-NATIONAL LABORATORIES Division of Richardson-Merrell Inc. SWIFTWATER, PA. 18370

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# **DIRECTOR**

## **Clinical Pathology Department**

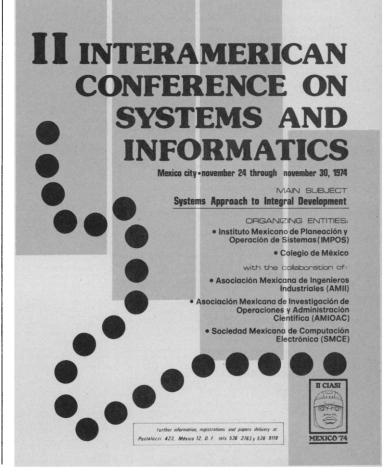
The Clinical Center, National Institutes of Health, Public Health Service, Bethesda, Maryland has an opening for Director of the Clinical Pathology Department. Director will be responsible for Chemistry, Hematology and Microbiology Sections as well as the opportunity to pursue individual research interests.

Position can be filled either by Commissioned Corps, PHS, or Civil Service with excellent fringe benefits. Starting salaries at \$30,000 to \$36,000 per annum, depending on qualifications.

Résumé should be sent to: Dr. Paul Carbone, Chairman, Clinical Pathology Search Committee, Building 10, Room 6B15A.

# National Institutes of Health Public Health Service Bethesda, Maryland 20014

An Equal Opportunity Employer



27 SEPTEMBER 1974 1197

# **IMMUNOLOGI**

Senior investigator required to develop and participate personally in laboratory investigations of cellular immunology in a program emphasizing host-graft responses related to viral oncology. Will work within a multidisciplinary group in close collaboration with senior NCI investigators performing related research. Will have minor administrative responsibilities.

Well-equipped facilities, an extensive scientific library, a large experimental animal farm, and professional computer support are available.

A competitive salary, attractive Company benefits, and relocation expenses will be offered. Applications and complete résumés may be addressed to Mr. Donzel Loker, Personnel Manager.

Litton Bionetics, Inc.

#### FREDERICK CANCER RESEARCH CENTER

Post Office Box B Frederick, Maryland 21701

An Equal Opportunity Employer, M/F

#### UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE POSTDOCTORAL POSITION

Opening immediately available for work on the structure and function of isoprenoid compounds in mitochondria. Submit résumé and two letters of reference to Dr. Harry Rudney, Department of Biological Chemistry, University of Cincinnati College of Medicine, Cincinnati, Ohio 45219. An equal opportunity employer.

#### POSTDOCTORAL POSITION

Research Associate in biochemistry of fibrous proteins. Knowledge of modern isolation and purification techniques. One- to two-year appointment. Write or call Prof. Robert V. Rice, Head, Department of Biological Sciences, Carnegie-Mellon University, 4400 Fifth Avenue, Pittsburgh, Pa. 15213. Telephone (412)-621-1100, Ext. 608. Equal Opportunity/Affirmative Action Employer.

#### POSTDOCTORAL TRAINEESHIP

Available immediately for study of cAMP metabolism in cultured myeloma cells. Experience in tracer and/or cell culture techniques desirable. Send résumé and two references to: Director, Research Institute for Skeletomuscular Diseases, 1919 Madison Avenue, New York, N.Y. 10035.

An equal opportunity employer

RESEARCH ASSISTANT at West Virginia University located in mountainous resort area 70 miles south of Pittsburgh, Pennsylvania. Job entails immunoassay procedures. Master's Degree in Microbiology with special emphasis or work experience in immunology and serology. Apply by résumé to: E. J. Podeszwa, Personnel Officer, West Virginia University Medical Center, Morgantown, West Virginia 26506. An Equal Opportunity/Afirmative Action Employer M/F.

#### RESEARCH ASSOCIATE POSITION

For person interested in the primary structure of animal virus RNA. Experience with Sanger's two-dimensional electrophoresis technique required, Funds available for 3 years. Apply with curriculum vitae and references

M. E. Reichmann Department of Microbiology University of Illinois Urbana-Champaign Illinois 61801

#### 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

#### RESEARCH ASSOCIATE

Research on anatomical development and distribution of upper airway receptors. Ph.D. in biological science, anatomy, neuroscience or related with experience in light microscopy required. Experience in electron microscopy desirable. Position available immediately. Apply with curriculum vitae and names of references to:

University of Michigan
Office of Professional and
Administrative Staff Services
1020 "M" LS&A Building
Ann Arbor, MI 48104
A non-discriminatory, affirmative action 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).

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#### BEHAVIOR

for advanced undergraduates and beginning graduate students 6-31 January 1975 Offered jointly by MBL and the Boston University Marine Program

Presupposes a background in introductory biology, general physics, and general chemistry. An intensive study of selected topics in behavior of terrestrial and marine animals, emphasizing ethology, including lectures, seminars, and laboratory exercises and demonstrations. Topics include: behavior in the maintenance of the individual (locomotion, feeding, orientation, circadian rhythms), intraspecific behavior (reproduction, communication and ritualization, group behavior of invertebrates and vertebrates), and interspecific behavior (predator-prey relations, mimicry, symbioses). Instructors: Jelle Atema and Adrianus Kalmijn, Woods Hole Oceanoraphic Institution; J. Stanley Cobb, University of Rhode Island; Donald R. Griffin, Rockefeller University; Robert L. Jeanne and George Michel, Boston University; Robert A. Metcalf, Harvard University; Celia Moore and Jeremy Hatch, University; Celia Moore and Jeremy Hatch, University of Massachusetts (Boston); Carl W. Rettenmeyer, University of Connecticut; Louis M. Roth, U.S. Army Natick Laboratories; Alastair M. Stuart, University of Massachusetts (Amherst); and Charles Walcott, State University of New York (Stony Brook).

#### NEUROBIOLOGY

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For students with a background in introductory biology, general physics, and general chemistry, and interest in neurobiology. Emphasis upon lab work using electrophysiological methods: extracellular recording from nerves, giant axons, and sensory receptors; intracellular recording from synaptic and sensory systems. Daily lectures, frequent seminars, and guest lecturers. Instructors: A, Fein, and E, F, MacNichol, Jr., MBL; F, Lang, Boston University Marine Program.

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A bastc course in ecology for advanced undergraduates and beginning graduate students 6-31 January 1975 Offered by the Ecosystems Center of the Marine Biological Laboratory

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