

Personnel Placement

POSITIONS WANTED

Administrator/Assistant Chairman/Physiologist, Ph.D. Assistant chairman large urban university, 5 years. Experience in curriculum development, grant proposals, interuniversity programs. Teaching/research experience. Desires administration/teaching. Box 72, SCIENCE. X

Bioengineer, Ph.D., neural systems and electrophysiology background, modeling and experimental. Two years' postdoctoral. Seeks position in research, development or teaching. Box 60, SCIENCE. 2/16

Consultation in Veterinary and Comparative Histopathology: board-certified veterinary pathologists will examine stained sections of animal tissues for toxicologic, research, or diagnostic studies. Box 61, SCIENCE. 2/16, 23; 3/2

Experimental Physical Chemist, Ph.D. 1971, 2 years of college teaching experience; thesis area: NMR postdoctoral area: GLC. Research: application of factor analysis to chemical and biological problems such as chemical separations using GLC, TLC, and ALC; drug SAR; and solvent effects in NMR; 18 publications. Seeks teaching or industrial position. Write, Box 62, SCIENCE. 2/16

Ph.D. Physicist, Fellow Phys. Soc., with fine research accomplishments (experimental). Teaching experience at university level. At present with major industrial laboratory. Seeks position with 4-year college where he can participate in, upgrade or set up a good physics or science-mathematics program. Some management experience. Box 67, SCIENCE. 2/16, 23; 3/2, 9, 16, 23, 30; 4/6

Pharmacology-Toxicology, M.S., 32 years, inhalation, animal, forensic toxicology experience. Interest clinical toxicology and poison control. Adaptable. Box 66, SCIENCE. X

POSITIONS WANTED

Pharmacologist/Veterinarian. Extensive academic background: veterinary and medical school pharmacology, toxicology; some clinical chemistry; director, animal care department. Research: biopolymers; kidney, liver metabolism; solvent toxicity. Box 50, SCIENCE. 2/16

Scandinavian, German, Rumanian, and Hebrew into English. Technical, medical, biochemical. \$15 per 1000 words. M. Rise, #2102, 55 West Chestnut St., Chicago, Ill. X

Tissue Culturist, Ph.D., woman. Experience in viral and chemical carcinogenesis. Desires research, teaching and research position. Box 73, SCIENCE. X

Toxicologist, Ph.D. 12 years' experience including toxicologic forensic and pharmacological research, teaching (9 years), 38 publications, seeks academic, research or forensic position. Box 74, SCIENCE. X

Vertebrate Ecologist, Ph.D. Extensive research experience in temperate and tropical forest, agricultural and urban areas; field and laboratory; applied and theoretical. Desires teaching/research position. Box 75, SCIENCE. X

POSITIONS OPEN

ACADEMIC DEAN KIRKLAND COLLEGE

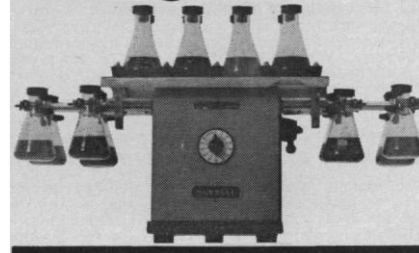
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An innovative, 4-year liberal arts college for women, coordinate with Hamilton College in Clinton, New York, seeks candidates for position as Dean of Faculty to work with a flexible, open curriculum; young, well-qualified faculty of 47; and 600 students.

Applicants should have successful teaching and administrative experience, commitment to undergraduate education of high quality, experimental outlook. Doctorate in academic field, interdisciplinary work, a plus.

Reply: Search Committee
Academic Dean
Kirkland College
Clinton, New York 13323

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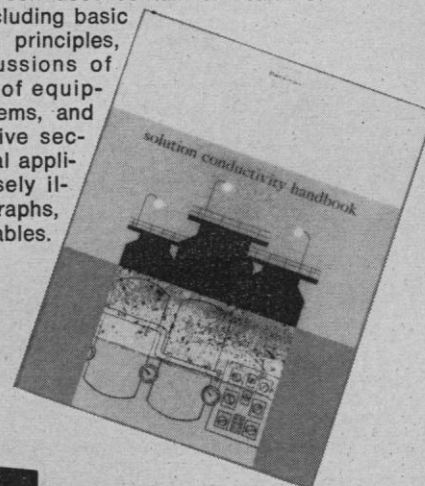
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ASSISTANT PROFESSORS—SEPTEMBER 1973

Applications are invited from qualified persons with postdoctoral experience in any of the following areas: biochemistry of hormone action, cellular regulatory biochemistry, and developmental neurobiology. Regular faculty appointment; teaching duties with both undergraduate and graduate students; excellent facilities to develop a research program. Please send curriculum vitae and names of referees to **S. T. Takats, Chairman, Department of Biology, Temple University, Philadelphia, Pa. 19122.**

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Applications are invited for two positions at Assistant Professor level effective 1 September 1973. Appointments will be made on the basis of potential teaching and research, one in the area of molecular biology, the other animal behavior. Ph.D. required. **UNCC is an Equal Opportunity Employer.** Send résumé by 1 March 1973 to **Dr. M. Dale Arvey, Chairman, Biology Department, University of North Carolina-Charlotte, Charlotte, N.C. 28213.**

POSTDOCTORAL POSITION for **Biological Oceanographer** or **Limnologist** to participate in NSF/IDOE field project on grazing rates of zooplankton. Program includes several oceanographic cruises. Two-year appointment available immediately. Applicants with experience in experimental work on zooplankton preferred. Apply with curriculum vitae to: **Dr. B. Frost, Department of Oceanography, WB-10, University of Washington, Seattle, Washington 98195. An equal opportunity employer.**

ASSISTANT PROFESSOR BIOLOGICAL SCIENCES

Two open positions for persons with postdoctoral experience and promise of creative and dynamic research programs, preferably in the following areas: Mammalian Cell Biology, Neurobiology, Population Ecology, and Human Genetics. Share in teaching of elementary and advanced courses. Send résumé and references to: **A. Eisenstark, Director, Division of Biological Sciences, University of Missouri, Columbia, Missouri 65201. University of Missouri is an affirmative action, equal opportunity employer.**

BIOLOGIST

Faculty position to teach principles of physiology course, supervise graduate students, conduct research in any relevant area, level above cellular preferred. Appointment by September 1973, assistant professor or above, on equal opportunity basis. Preference given for publications and postdoctoral experience. Send curriculum vitae and three references to **V. A. Tucker, Department of Zoology, Duke University, Durham, North Carolina 27706.**

CELLULAR PHYSIOLOGIST

Department of Zoology, University of Maryland at College Park, needs to strengthen its teaching and research programs in physiology. Applicants should be qualified to teach both a graduate course emphasizing the biochemical approach to cellular physiology and an undergraduate course in vertebrate organ physiology. Excellent faculty research facilities available. Salary and rank negotiable. Submit curriculum vitae before 1 March 1973 to **Dr. John O. Corliss, Chairman.**

An Equal Opportunity Employer

CHAIRMAN SOUGHT FOR BIOLOGY DEPARTMENT, SUNY College, Geneseo, N.Y. 14454. Contact: **Herman S. Forest, Search Committee.** The department currently has 17 members representing a broad spectrum of specialties; M.A. in Biology, M.S. in Education, and undergraduate degrees are granted. The College is developing a 3-year undergraduate program as an alternate to the 4-year one. Approximately 5400 students attend the College. Location is in a small town and rural county 25 miles south of the city of Rochester. *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

INDIANA UNIVERSITY, BLOOMINGTON DEPARTMENT OF CHEMISTRY

Men and women highly qualified in organic or bioorganic chemistry are invited to apply for a position as Assistant Professor in this department. The position will require ability to organize and present effectively courses at both the graduate and undergraduate levels. Moreover, potential candidates are expected to have a solid record of accomplishment in research and to show promise of developing vigorous independent programs of scholarly investigation.

To apply, submit a brief biographical sketch, a publication list, and a short résumé of ideas for the development of teaching and research programs. Letters of recommendation are not required at this time.

Indiana University is an equal opportunity employer and candidates of all races and ethnic backgrounds are encouraged to apply.

Please apply to:

**E. H. Cordes, Chairman
Department of Chemistry
Indiana University
Bloomington, Indiana 47401**

Opening 1 July 1973 for **CLINICAL INVESTIGATOR M.D. FOR ASSOCIATE DIRECTOR** of internationally known state mental hospital research laboratory. Strong traditions of financial support from state for personnel and scientific materials; excellent neuroscience and clinical facilities. Ongoing major research in biochemistry of mental illness. Emphasis upon clinical and biological studies related to mental disorders. Access to patient populations including a developing statewide network for obtaining biological samples. Relatively young investigators with demonstrated research competence as well as established scientists will be considered. Faculty appointment in a new School of Clinical Medicine can be arranged. Competitive salary according to qualifications and experience.

Applicants please submit (i) résumé and (ii) a 500-word statement describing the applicant's proposed research activities and objectives. Applications will not be reviewed until these materials have been received. Deadline for all applications is 20 April 1973. Sex, race, religion, or ethnic origins of applicant are immaterial.

Address replies to: **Peter K. Levison, Ph.D., Division of Research & Development, General Office, Illinois Department of Mental Health, 160 N. LaSalle Street, Room 1500, Chicago, Illinois 60601.**

DIRECTOR OF A FRESHWATER BIOLOGICAL RESEARCH INSTITUTE. Successful candidate must have a Ph.D. in some aspect of the biological sciences and 15 to 25 years of experience as a research scientist and teacher. The principal responsibility of the successful candidate will be to develop and manage a coherent, ecologically oriented, research and training program dealing with freshwater organisms and those factors that influence their nature and development.

Applications, including curriculum vitae, names of five reference, and a list of publications, should be sent to **Richard S. Caldecott, College of Biological Sciences, University of Minnesota, St. Paul 55101. An Equal Opportunity Employer.**

The University of Illinois Department of Zoology seeks Ph.D. applicants for the position of **ECOLOGICAL POPULATION GENETICIST.** The appointment at the assistant professor level will begin September 1973. Responsibilities will include teaching, research, and direction of graduate students. We actively encourage applications from women and members of minority groups. Applications, including curriculum vitae, reprints, and manuscripts, and three letters of recommendation, should be sent to **Dr. Mary F. Willson, Department of Zoology, Vivarium Building, University of Illinois, Champaign, Illinois 61820.** Deadline for applications is 28 February 1973.

ENVIRONMENTAL CHEMIST

Research Associate position available immediately for investigation of mercury cycling in aquatic environments. Previous experience in environmental trace analysis required. Send vitae to **Dr. Robert C. Harriss, Florida State University Marine Laboratory, 505 PSA Building, Tallahassee, Florida 32306.**

Recent Ph.D. in **ENVIRONMENTAL PHYSIOLOGY** to instruct in Mammalian Physiology, and Comparative Physiology for upper division students, and Human Anatomy-Human Physiology for lower division students. Usual load is two courses per semester. Research and direction of graduate students is also expected. A 1-year position replacing a man on leave; possibility of a continuing position. Send résumé, three independent letters of reference, and transcripts to: **Dr. Doyle E. Anderegg, Department of Biological Sciences, University of Idaho, Moscow, Idaho 83843.**

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POSITIONS OPEN

FRESHWATER BIOLOGICAL ASSOCIATION

The post of Director to control the Association's two laboratories, and act as Secretary to its Council, becomes vacant in the near future. The post is graded equivalent to D.C.S.O. in the Scientific Civil Service (£6607 × 3-£7450) F.S.S.U. Applications are invited and should be submitted by 1 March. Particulars of the post are available from the

Executive Secretary

The Ferry House

Ambleside, Westmorland, England

A position at the rank of **ASSISTANT OR ASSOCIATE PROFESSOR OF GEOLOGY** in the broadly defined field of sedimentation-sedimentary petrology-marine geology is available beginning 15 September 1973. A second position may be available in the general field of petrology. Interested candidates are invited to send a statement of research interests and their vitae to the **Chairman, Department of Geology, Florida State University, Tallahassee, Florida 32306.** Florida State University is an equal opportunity employer.

IMMUNOLOGIST Ph.D.

Department of Immunology currently has a need for an Immunologist with a strong background in cellular immunology and/or tumor immunology. Duties will consist of conducting and supervising research using cellular immunity assays in the detection of tumor-associated antigens and host immune responses in human tumor systems. One to 3 years of experience. Send résumé to:

Box 69, SCIENCE

IMMUNOLOGIST—MOLECULAR BIOLOGIST

Teaching and research at a State University College. Assistant Professor level beginning in September 1973. Ph.D. and established research background required. Send résumé to

Box 70, SCIENCE

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PRINCETON UNIVERSITY

Librarian, Fine Hall Library of Mathematics, Physics, and Statistics. Science degree required. M.L.S. and library experience highly desirable. Excellent benefits. Salary \$10,400. Send résumé to:

**Mr. Jay K. Luckner
Princeton University Library
Princeton, New Jersey 08540**

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LIMNOLOGIST: Assistant professor level; permanent 12-month appointment; Ph.D. or D.Sc. required. Background in contemporary limnology. Consideration will be given to applicants with interests and specialization in biochemistry of water-sediment interactions or in fish populations and trophic dynamics. Instruction in freshwater ecology and an advanced course of candidate's specialization. Detailed letters of interest, curriculum vitae, and four letters of recommendation are invited. **R. G. Wetzel, Chairman, Search Committee, W. K. Kellogg Biological Station of Michigan State University, Hickory Corners, Michigan 49060. Michigan State University is an equal opportunity employer.**

PHARMACOLOGIST

Associate Professor, beginning academic year 1973-74. Candidate should have at least 4 years of research and teaching experience beyond the doctorate, proven lecturing and teaching capability, particularly at the graduate and advanced professional level, publications in national or international journals with established referee policy and preferably be a member of the American Society for Pharmacology and Experimental Therapeutics and/or the Toxicology Society. Research emphasis on cellular or biochemical aspects of pharmacology or toxicology is desirable. Duties of the successful applicant will include graduate and professional school teaching and advising of Ph.D. candidates. Applicants should submit a curriculum vitae including complete bibliography and no less than three names of persons to be used as references no later than 1 March 1973, to **Dr. William W. Fleming, Department of Pharmacology, West Virginia University Medical Center, Morgantown, W.Va. 26506. The University is an Equal Opportunity Employer.**

The **INSTITUTE OF ENVIRONMENTAL STUDIES**, University of Illinois in Urbana-Champaign, is seeking candidates for a faculty position starting Fall 1973 as **Associate Director** with responsibilities in the area of **social and behavioral science**. The Institute presently consists of a number of interdisciplinary task forces and is adding a senior person to take a leadership role in developing the behavioral science component. Qualifications include demonstrated research competence in a social science and full commitment to interdisciplinary environmental research. Rank and salary are open. The Associate Director's assignment will depend in part on his interests, but we envision that one-half time will be devoted to program development and the other half to research and instruction. Send résumés and letters of recommendation to the chairman of the Search Committee: **Dr. Edward M. Bruner, Department of Anthropology, University of Illinois, Urbana, Illinois 61801.**

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Recent Ph.D. **Biochemist** with experience in protein chemistry and immunology; for a project concerning chemical and immunologic properties of myelin basic proteins. Experience in column chromatography, gel electrophoresis, isoelectric focusing and radioimmunoassay desired. Send curriculum vitae to: **Chief, Personnel Service, Veterans Administration Hospital, 54th Street and 48th Avenue South, Minneapolis, Minnesota 55417.**

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BIOCHEMIST

Medically oriented biochemists are invited to apply for a position in the Division of Health Sciences with a joint appointment in Chemistry. Available 1 July 1973. Rank and salary open. Duties will include teaching and coordinating biochemistry and chemistry courses for pre-medical, medical, and professional students in the Health Sciences. In addition, the successful applicant must develop or continue a viable research program in health-related biochemistry. Experience teaching biochemistry in a medical school preferred. Three letters of recommendation, a curriculum vitae, and a short research proposal should be sent before 15 March to: **Dr. Harold B. White, Search Committee Chairman, Department of Chemistry, University of Delaware, Newark, Delaware 19711.** The University of Delaware has an Affirmative Action Program and is committed to the employment of women and minority members.

ECOLOGISTS

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TERRESTRIAL ECOLOGIST — the applicant should have a strong background in the terrestrial sciences as well as familiarity in the design of terrestrial field studies. MS or PhD required. Duties will include design and evaluation of ecological field studies for siting and conceptual design of both fossil and nuclear power projects. Additional duties will include coordination of field studies and preparation of applicable sections of Environmental Reports and other Federal and State permit applications.

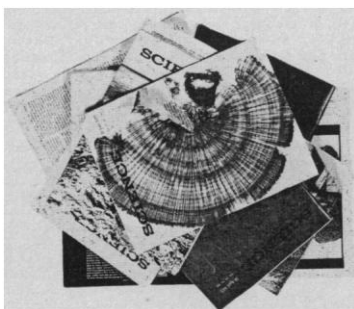
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PHARMACOLOGIST TOXICOLOGIST

Battelle's Columbus Laboratories has an immediate opening for a person with training and experience in research & development programs in toxicology and pharmacology.

The successful candidate should possess a doctorate level degree in toxicology or pharmacology and have several years experience in the isolation, identification and quantification of drugs (narcotic and nonnarcotic) and their metabolites. Capability to conduct metabolic pathway studies utilizing radioisotopes is desirable. The successful candidate should be able to apply toxicological, pharmacodynamic, and pharmacokinetic perimeters to laboratory studies involving environmental pollutants, anticancer agents, contraceptives and narcotic antagonists and able to identify viable concepts for continuing phases of research growth in pharmacology and toxicology, identify targeted markets in industry and government, and provide leadership in the writing and sale of research programs in these areas. Send résumé to:

Philip L. Morris

Battelle Columbus Laboratories

505 King Avenue
Columbus, Ohio 43201

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POSITIONS OPEN

PHYSIOLOGIST

Assistant or Associate Professor of Physiology to start as early as 1 September 1973. No area of specialization is specified although special interest in respiratory or cardiovascular physiology may be preferred. The successful candidate will be expected to participate in undergraduate and graduate teaching and to continue a high-quality research program. Applicants should send curriculum vitae and names of three referees to: **Dr. D. G. Sinclair, Department of Physiology, Queen's University, Kingston, Ontario, Canada.**

Ph.D. PHYSIOLOGICAL ECOLOGIST

To teach Animal Ecology and one semester of a general zoology course; appointment at Assistant Professor level effective 1 September 1973. Send curriculum vitae and names and addresses of three references to: **Kenneth W. Allen, Chairman, Zoology Department, University of Maine at Orono, Orono, Maine 04473.**

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PLANT ECOLOGIST

University of California, Berkeley. Plant ecologist interested in experimental and quantitative aspects of field. Teaching at undergraduate and graduate levels; must have strong research interests. Assistant professor level. Send summary of background and interests to **Dr. William A. Jensen, Chairman, Department of Botany, University of California, Berkeley, California 94720.**

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MANAGER REGULATORY AFFAIRS

Excellent opportunity available for a senior scientist to manage regulatory affairs for our animal health R&D department. Will have principal responsibility for Investigational and New Animal Drug Applications, including the organization and compilation of data; preparation of Drug Experience Reports; liaison with the FDA and monitoring new regulations affecting animal health research.

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Professor Ronald D. Brunner
Associate Chairman
Department of Political Science
5601 Haven Hall
The University of Michigan
Ann Arbor, Michigan 48104

The University of Michigan is an nondiscriminatory, affirmative action employer.

UNIVERSITY OF MICHIGAN, Associate or Assistant Professor in Department of Political Science with possibility for a research/teaching appointment in Institute of Public Policy Studies. Ph.D. and strong publication record required; applicants should be willing to offer undergraduate and graduate level courses in public policy and administration; governmental experience and/or substantive policy research highly desired; minimum competence in another policy-related discipline (for example, economics); competence in organization theory-bureaucratic decision-making highly desired; to assume leadership position in public policy and administration of doctoral concentration area in the Department; September 1973. Subject to position authorization by the College.

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POPULATION ECOLOGIST

For teaching/research position in a small (six members) biology department in urban university. Teaching responsibilities to include population ecology, general ecology, and specialty area at undergraduate and graduate levels in environmental science. Familiarity with quantitative and computer applications desirable. This position needs a versatile and dynamic individual who will have an opportunity to participate in planning interdisciplinary experimental programs. Laboratory research space and facilities limited; field research opportunity unlimited. Associate professor appointment on 9-month basis effective September 1973. Salary open, commensurate with experience. Send vitae and letters to **Dr. E. L. Hartman, Biology, University of Colorado at Denver, 1100 14th St., Denver, Colorado 80202.** This institution is an equal opportunity employer.

PROTEIN STRUCTURE-CRYSTALLOGRAPHY ASSISTANT PROFESSOR. Applications are sought for an anticipated position requiring teaching (undergraduate and graduate) and research, effective September 1973. Should have research interest in protein structure and function, including x-ray crystallographic techniques. Postdoctoral experience necessary. University has Affirmative Action policy in effect. Send vitae and recommendations to **Dr. R. Bentley, Chairman, Department of Biochemistry, Faculty of Arts and Sciences, Crabtree Hall, University of Pittsburgh, Pittsburgh, Pa. 15213.**

RESEARCH SCIENTIST

Excellent position available in well-known eastern medical institution for individual experienced in purification and characterization of blood serum proteins. Must be capable of assuming supervisory responsibility for routine protein production. Qualified applicants should have a Doctor's Degree in Biochemistry or equivalent experience. Minimum of 5 years' work in protein chemistry, ion exchange and gel filtration chromatography, zone electrophoresis, characterization and purity analysis of proteins is required. A competitive salary and liberal fringe benefits are offered. Send résumé of qualifications and salary requirements to **Box 71, SCIENCE.**

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VIROLOGIST

B.S. or M.S. required. Applicant must be experienced in the areas of tissue culture, immunology, and animal studies. Send résumé to

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GRADUATE STUDY

GRADUATE STUDY IN THE ANATOMICAL SCIENCES

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PRE- AND POSTDOCTORAL TRAINEESHIPS IN REPRODUCTIVE BIOLOGY

A small number of Ford Foundation supported traineeships are available for qualified applicants, in a training program leading to the Ph.D. in Reproductive Biology, or consisting of 1 to 2 years of postdoctoral research. Fields of active research are: CNS-pituitary-gonad relationships; regulation of corpus luteum function in pregnancy; steroid hormone biosynthesis, production, transport, metabolism, and mechanism of action. For further information write: **Dr. I. Rothchild, Department of Reproductive Biology, Case Western Reserve University, Cleveland, Ohio 44106.**

COURSES

MARINE SCIENCE

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REQUEST FOR PROPOSAL

It is the intention of the **Carcinogenesis Area of the National Cancer Institute** to advertise the availability of a Request for Proposal entitled "Studies of Carcinogenesis in Organ Cultures of Trachea and Bronchi."

Individuals representing research organizations who wish to receive copies of this request for proposal when it becomes available are invited to submit their names to the following address prior to 26 February 1973. (Request must reference RFP No. NCI-E-C-73-16): **Mrs. Anna M. Beattie, Contract Specialist, Cancer Cause and Prevention Section, RCB, National Cancer Institute, Room B401, Landow Building, Bethesda, Maryland 20014.**

It is the intention of the **Carcinogenesis Area of the National Cancer Institute** to advertise the availability of a Request for Proposal entitled "Polycyclic Hydrocarbon Metabolism in the Respiratory Tract."

Individuals representing research organizations who wish to receive copies of this request for proposal when it becomes available are invited to submit their names to the following address prior to 26 February 1973. (Request must reference RFP No. NCI-E-C-73-17): **Mrs. Anna M. Beattie, Contract Specialist, Cancer Cause and Prevention Section, RCB, National Cancer Institute, Room B401, Landow Building, Bethesda, Maryland 20014.**

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The Microstar Autofocus stop saves time when changing slides or magnification, because each slide can be brought into perfect focus simply by touching up the fine adjustment. And, since the

nosepiece is gravity-loaded, it's practically impossible to break slides or damage the objectives.

For that fast second opinion, immediate verification, routine lab training, or wherever accurate communication is essential, the AO Dual Viewing Microstar microscope is an invaluable instrument.

For more information, see your AO representative, or write for detailed literature.

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**When you need
a second opinion
the first time,
you need the AO
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