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MEDICAL INTEREST

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☐ Neural Metabolism, Drugs, and Aging (76T-248). Two cassettes. \$18.

☐ Priorities in Cancer Research: Occupational and Environmental Carcinogenesis (76T-255). Two cassettes. \$18.

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Personnel Placement

Only those employers and individuals who do not discriminate on the basis of race, sex, religion, age, color, or national origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies, companies, colleges, and universities take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$130 per inch, minimum, per insertion (1 inch is equivalent to 11 lines of 52 spaces each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-½ weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

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POSITIONS WANTED

Biochemist: Ph.D. Experience in: organic synthesis using isotopes. Research on in vitro and in vivo lipid synthesis, drug abuse and clinical chemistry. Wants to work. Desires teaching and/or research position. Box 430, SCIENCE. X

Biologist: Ph.D. Postdoctoral. Research in protein chemistry, tissue culture, transplant banking. Experience and success in grants administration and writing. Publications. Desires industrial research/supervisory position. Box 431, SCIENCE. X

Environmental Scientist, Ph.D., with experience in industrial research, teaching: air, water quality, energy technology, EIS, AP control, physical, materials, and analytical chemistry. Seeking research, supervisory, and/or teaching position in environmental quality or pollution control, public or occupational health. Box 432, SCIENCE. 9/24; 10/8

Palynologist/Geologist, M.A., Ph.D. December 1976. Strong botanical background; interested in paleoecological, as well as stratigraphical, applications of palynology. Seeks industrial position. Résumé upon request. Box 433, SCIENCE. X

Physiologist, Ph.D. Experience in cardio-respiratory and environmental physiology; teaching. Publications. Seeks challenging research associate position in respiratory physiology. Will accept teaching responsibilities. Box 434, SCIENCE. X

Top-notch Teacher, Berkeley Ph.D., experienced in general biology, cell and developmental biology, genetics, and human anatomy; seeks teaching or research position; available immediately. Telephone: 714-276-7099 or 714-273-9025, or write Box 435, SCIENCE. X

Zoologist-Cytologist, Ph.D. Experience in TEM, SEM, probe, cytochemistry research. Seeks position for January 1977. Industry, clinic, or university research. Box 436, SCIENCE. X

POSITIONS OPEN

ANATOMY PATHOLOGY

The Departments of Anatomy and Pathology of the Texas Chiropractic College invite applications from competent Ph.D.'s in the above disciplines. Send résumé and references to **Texas Chiropractic College, 5912 Spencer Highway, Pasadena, Texas 77505.**

ASSISTANT PROFESSOR. The Department of Medical Microbiology, Stanford University School of Medicine, invites applications for an assistant professor position, tenable from 1 September 1977, from well-qualified persons with research and teaching experience in bacterial physiology. Formal teaching duties extend through two quarters, including participation in teaching of medical microbiology (one quarter) and a course in bacterial physiology. *Stanford University is an Equal Opportunity Employer and welcomes nominations of women and minority group members and applications from them.* Send notice of interest, with curriculum vitae, to **Acting Chairman, Department of Medical Microbiology, Stanford University, Stanford, Calif. 94305.**

The Department of Biological Sciences, San Jose State University, San Jose, Calif. 95192, *An Equal Opportunity Employer*, announces a tenure-track **ASSISTANT PROFESSORSHIP IN MEDICAL AND GENERAL MYCOLOGY**, effective January 1977 (or August 1977). Responsible for teaching medical and general mycology. Experience in medical mycology preferred. Graduate student advising. Closing date is 27 October 1976. Send curriculum vitae to **Joseph H. Young, Chairman.**

ASSISTANT PROFESSOR OF WILDLIFE MANAGEMENT. A Ph.D. in wildlife management or a closely related field with training and experience in ecology and management of big game mammals and habitats is needed to conduct research and supervise graduate students, to advise graduate and undergraduate students, and to teach graduate big game or habitat management and undergraduate biology courses.

Send résumé, transcripts, and names of three references to **Dr. R. L. Eng, Chairman, Wildlife Search Committee, Biology Department, Montana State University, Bozeman, Montana 59715.** Open until 31 December 1976 or until filled.

Montana State University is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE IN BIOLOGY. Candidate must have Ph.D. in electron microscopy and 2 to 3 years of postdoctoral work involving EM in cell biology or genetics. Salary: \$10,092 per year. Duties: responsible for EM facility (Phillips 200, 300), provide individual instruction and technical maintenance of scopes, darkroom, and sample preparation facilities. Send résumé, names of references only, to **Chairman, Department of Biology, University of California, La Jolla, Calif. 92093.** *The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

UNIVERSITY OF CALIFORNIA SANTA BARBARA DEPARTMENT OF BIOLOGICAL SCIENCES SECTION OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

Faculty position. Effective 1 July 1977. Applications are sought from **BIOCHEMISTS.** Persons with research interests in functional and structural-organizational aspects of macromolecules are particularly encouraged to apply, although soundness and importance of research will be weighted more heavily than the precise nature of research specialization. Teaching is required at the undergraduate level in general biochemistry and at the graduate level in an area of the appointee's specialized interests.

Applications with curriculum vitae, list of publications, names of references, and summary of research interests should be sent to: **Chairman, Department of Biological Sciences, University of California, Santa Barbara, California 93106.** Applications must be received before 15 December 1976. Letters of reference should not be sent until requested. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

BIOPHYSICIST

A full-time position at the assistant professor level will be available in fall 1977. Individuals are expected to conduct an active research program, to teach an introductory biophysics course, and to share a portion of the teaching duties in an introductory biology course. Applicants must have a Ph.D. and preferably 1 or 2 years of postdoctoral experience. Send curriculum vitae with names of three references to: **Dr. Dwight Wilson, Biology Department, Rensselaer Polytechnic Institute, Troy, New York 12181.**

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CARCINOGENESIS RESEARCH

The National Center for Toxicological Research, Division of Carcinogenesis Research, is seeking a **senior investigator** with experience in the areas of chemical carcinogenesis and/or chronic toxicology. Preference will be given to applicants who have experience in designing and conducting chronic animal studies. The successful candidate will participate as a member of an interdisciplinary team in evaluating the adverse effects of chemicals and other agents. The position provides the opportunity for possible academic appointment if desired. The candidate must be a U.S. citizen and qualify for a Civil Service rating of GS-13 or GS-14. Applications, including curriculum vitae, lists of publications, and names of three references should be sent to **Gloria Stith, Personnel Office, National Center for Toxicological Research, Jefferson, Arkansas 72079.**

CELLULAR PHYSIOLOGIST

The Department of Zoology, University of California, Davis, is seeking applicants for a position on its faculty. The person appointed will be expected to teach a one-quarter course in introductory physiology with associated laboratory course, and an advanced course in cell biology as well as a graduate seminar in his or her own field of specialization. It is expected that the individual will initiate and carry out a productive research program and will participate in the Department's graduate program. The appointment level and salary will depend on qualifications and experience. Appointments are normally at the assistant professor level, minimum salary \$14,500 per annum.

Persons who wish to apply should forward a curriculum vitae, a description of their research programs and future plans, a summary of their teaching capabilities, and three letters of recommendation to **Dr. Ronald J. Baskin, Chairperson, Department of Zoology, University of California, Davis, California 95616.** *The University of California is an Equal Opportunity/Affirmative Action Employer.* Screening of applications will begin 15 November; closing date for receipt of applications is 15 January 1977.

CLINICAL PHARMACOLOGIST

The Emory University Clinical Pharmacology Program seeks additional faculty with thorough training in internal medicine and pharmacology. Position includes research and teaching. Send curriculum vitae and bibliography to: **Dr. Albert W. Pruitt, Woodruff Memorial Building, Emory University School of Medicine, Atlanta, Georgia 30322.** *An Affirmative Action/Equal Opportunity Employer.*

COURSE COORDINATOR AND SUPERVISOR OF EM FACILITY

A person of maturity is required at the Marine Biological Laboratory in Woods Hole to supervise an electron microscope facility and to act essentially as dean of the educational programs in both the summer and winter seasons. This is a full-time position for someone experienced in both education and electron microscopy. Send résumé to **Director, Marine Biological Laboratory, Woods Hole, Massachusetts 02543.** *The Marine Biological Laboratory admits students and employees of any race, color, and national or ethnic origin.*

EXPERIENCED CYTOGENETICS TECHNICIAN: Firm knowledge of chromosome banding techniques is essential; experience in cell culture and somatic cell hybridization also valuable. Must be capable of independent work. Outstanding fringe benefits package. Send résumé and references to: **M. Sheriffs, A.R.R.T. Employment Division, Department of Personnel, Medical University of South Carolina, 80 Barre Street, Charleston, S.C. 29401.**

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We are a major ethical pharmaceutical company located in suburban New Jersey. We currently have an opening on our pharmacological research staff for a research group supervisor.

The efforts of the selected candidate will be directed toward the supervision of the activities of the Cardiovascular Pharmacology Section; evaluation of new compounds as potential cardiovascular agents; and development of new methods to elucidate the mechanisms of action of these compounds.

Applicants should meet the following requirements: Ph.D. in pharmacology, 3 to 5 years of experience in cardiovascular pharmacology, lab supervisory experience, and the ability to effectively interact with other senior research personnel.

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Applicants should forward their curriculum vitae, including salary requirements, to: **R. Walters, Personnel Department**. Strict confidence maintained.



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POSITIONS OPEN

DIRECTOR OF THE GRADUATE PROGRAM IN RADIATION BIOLOGY

The University of Iowa is seeking a director to provide leadership in research and education for the Graduate Program in Radiation Biology. The program meets the needs of students and faculty in all segments of the University by providing specialized radiation facilities and consultation relative to the proper use of radioactive materials and the sources of radiation.

Qualifications: The applicant must have a Ph.D. or equivalent and demonstrated experience to warrant consideration for assumption of the directorship.

Salary: The salary will be commensurate with experience and qualifications of the applicant. The University of Iowa has excellent fringe benefits.

Direct inquiries to:

Dr. J. P. Long
Chairperson, Search Committee
Department of Pharmacology
College of Medicine
The University of Iowa
Iowa City, Iowa 52242

The University of Iowa is an Affirmative Action/Equal Opportunity Employer.

TERRESTRIAL ECOLOGIST—Ph.D. in terrestrial animal ecology and 2 years of experience in environmental assessment, or M.S. with 4 years of experience.

AQUATIC ECOLOGIST—M.S.—Preferred research in macrophytes, invertebrates, water quality, and impact assessment.

Both professionals must have better than average writing ability and management potential. Both must be capable of working with other professionals on multidisciplinary teams conducting environmental impact assessments.

Mail resumes and cover letter to **B. Blanchet, Environmental Science and Engineering, Inc., Box 13454, University Station, Gainesville, Florida 32604**. No telephone calls, please. *An Equal Opportunity Employer.*

ELECTRON MICROSCOPY TECHNICIAN at the B.S. or M.S. level. Experience in preparative procedures and use of electron microscope is required. It is a new position immediately available in a biomedical research institute. Salary dependent on qualifications and background. Send curriculum vitae and references to **Dr. Emilio A. Machado, Laboratory of Comparative and Experimental Pathology, University of Tennessee Memorial Research Center, 1924 Alcoa Highway, Knoxville, Tenn. 37902**. *An Affirmative Action/Equal Opportunity Employer.*

EXECUTIVE DIRECTOR of a water management district in Florida; requires a background in water resources, biology, or water-related planning with strong leadership and administrative background. Respond to **Personnel Committee, St. Johns River Water Management District, Route 2, Box 695, Palatka, Florida 32077**.

FACULTY POSITION IN MEDICAL PHYSIOLOGY

The Department of Physiology, College of Medicine of the University of South Florida, Tampa, Florida, has one faculty opening (Ph.D. and/or M.D.) at the instructor or the assistant professor level. Teaching and research ability are of primary consideration. Preferred research areas: renal, neuroendocrinology, or membrane transport. Teaching responsibilities include medical, nursing, and graduate students. The individual must be willing and able to effectively teach areas other than in the primary research interest.

Salaries are negotiable. The University of South Florida College of Medicine is a new medical college with well-equipped quarters.

Send a curriculum vitae and names of three references to:

Carleton H. Baker, Ph.D.
Professor and Chairman
Department of Physiology, Box 8
College of Medicine
University of South Florida
Tampa, Florida 33612

The University of South Florida is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

The University of Arizona, Department of Ecology and Evolutionary Biology, proposes to appoint an **ECOLOGIST** at the level of full professor. Applications are sought from senior scientists with distinguished records in research and teaching. The appointee is expected to interface with both mathematically oriented population ecologists and systematic biologists presently on the faculty. Experience in the following areas is desirable: population and community ecology, evolution and ecological genetics, physiological ecology, and systematics (classical and biochemical). Preference will be given to applicants having experience with desert ecosystems. Send applications to **Dr. W. M. Schaffer, Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, Arizona 85721**. *An Equal Opportunity/Affirmative Action Employer under state and federal laws and regulations including Title IX, 1972 Education Amendments.*

**Department of Microbiology
College of Medicine
University of Arizona
Tucson, Arizona 85724**

FACULTY POSITIONS IN:

VIROLOGY PATHOGENIC MICROBIOLOGY PARASITOLOGY

The duties include teaching of the College of Medicine and Graduate College students and pursuit of an active and productive research program. Applicants are sought who are knowledgeable in the broad health-related aspects of their discipline and whose research is directed toward the understanding of basic mechanisms at the molecular and cellular levels.

The faculty positions are at the junior or intermediate level in accordance with the experience and accomplishments of the applicant.

Please address inquiries, with curriculum vitae, to: **David Rifkind, Ph.D., M.D., Head**.

An Equal Opportunity/Affirmative Action Employer under state and federal laws and regulations including Title IX, 1972 Education Amendments.

FUNGAL PHYSIOLOGIST/MYCOLOGIST. Full-time position at the assistant professor level, available 1 July 1977. Candidate should have Ph.D., broad background in botany, and strong background in physiology and biochemistry; previous teaching experience desirable. Salary commensurate with experience. Appointee will be expected to teach large introductory-level plant biology course, advanced courses in the area of specialization, and to develop active research program with marine/aquatic fungi. Applicants should send credentials, reprints, and names of three referees to: **Chairman, Search Committee, Department of Botany, University of Rhode Island, Kingston, R.I. 02881**, before 15 November 1976. *An Affirmative Action/Equal Opportunity Employer.*

HEAD

Department of Genetics and Cell Biology, College of Biological Sciences, University of Minnesota

Established scientist with proven research record sought to be department head, while maintaining an active research program. The department has 26 faculty members with broadly based research interests and has responsibility for administering strong graduate and undergraduate programs in genetics and cell biology. The department is located primarily in a new and well-equipped bioscience center and has adequate space and resources for expansion. Screening of applications will begin 1 October 1976, although applications will continue to be accepted after that date. Candidates should submit a curriculum vitae, list of publications, and the names of at least three references to: **Professor Huber Warner, College of Biological Sciences, 123 Snyder Hall, University of Minnesota, St. Paul, Minn. 55108**. *The University of Minnesota is an Equal Opportunity Employer.*

INSTRUCTOR: Position available starting 1 October 1976 for Ph.D. to conduct research on structure and sequence of adeno-associated virus DNA and potential interaction of this DNA with host genome. Send curriculum vitae and three letters of reference to **Dr. Kenneth I. Berns, Department of Immunology and Medical Microbiology, College of Medicine, University of Florida, Gainesville, Florida 32610**. *An Equal Opportunity/Affirmative Action Employer.*

International Cancer Research Workshop Programme (ICREW) 1976/1977

The International Cancer Research Workshop (ICREW) Programme has been established to increase the frequency, speed and efficiency of direct information exchange between small groups of cancer investigators who, although working in different countries, are all active in the field of basic, clinical or behavioural research related to cancer. The primary purpose of this Programme is to further the progress of cancer research.

The ICREW Programme will provide funds to support workshops designed to bring together a small number of promising scientists of any nationality¹ in order to:

1. Discuss or demonstrate newly developed or improved specialized technology or methodology;
2. Discuss methods for overcoming obstacles or for resolving apparent disagreement and differences of opinion impeding further progress in a given field of study;
3. Discuss new approaches that might be applied to solve specific problems in cancer research;
4. Discuss the organization of international bilateral or multilateral studies related to cancer research.

These workshops should in general have no more than 10 to 12 participants.

The funds, which are provided by the **International Cancer Research Data Bank (ICRDB)** of the National Cancer Institute of the United States of America, are administered by the **International Union Against Cancer (UICC)**. They will be available to cover at least 30% of the total cost of a workshop up to a maximum of US \$10,000 for each workshop.

Applications must be submitted on the prescribed form which is available on request from the Geneva Office of the UICC. When requesting application forms, please specify the proposed site and location for the workshop; you will then be given the UICC per diem rate for this location.

To be eligible, the application must specify the title of the workshop, the proposed site and location, the starting and finishing dates, a budget itemizing the estimated costs, the amount of financial support requested and the amount of funds provided from other sources.

Closing dates for the receipt of applications will be:

1 January—1 March—1 June
1 September

Successful applicants will be notified within a period of 60 days from the closing date indicated above.

Traveling expenses will be calculated on the basis of tourist/economy scheduled airline rates or first-class railway fares.

Each participant will receive a living allowance sufficient to cover board and lodging expenses; no allowance will be paid for dependents.

¹In accordance with US Federal Regulations, this Programme is not open to employees of US Government Agencies; nevertheless, such employees may attend these workshops, using funds from other sources.

Application forms and additional information may be obtained from:

**INTERNATIONAL UNION
AGAINST CANCER**
Conseil-Général 3/1205 Geneva
Switzerland

International Cancer Research Technology Transfer Programme (ICRETT) 1976/1977

The International Cancer Research Technology Transfer (ICRETT) Programme has been established to promote direct and rapid transfer of information about new or improved technology or methodology between two or more investigators located in two different countries who are working in areas of basic, clinical or behavioural research in order to further the progress of cancer research.

The purpose of the ICRETT Programme is to enable investigators from two different countries to:

1. Carry out brief research which will develop, improve or modify new or specialized technology or methodology and will clearly contribute towards the progress of cancer research;
2. Engage in short-term on-the-spot collaboration required for comparing the results of and detect causes of discrepancies in the results of parallel or related research in different countries;
3. Meet together for intensive discussion and/or demonstration so that new or improved technology or methodology developed by an acknowledged expert can be used by investigators in another country.

The funds, which are provided by the **International Cancer Research Data Bank (ICRDB)** of the National Cancer Institute of the United States of America, are administered by the **International Union Against Cancer (UICC)**. They are designed to permit investigators of any nationality¹ to visit a research centre or centres in another country for a period not exceeding 21 days. Funds will not be provided for attending scientific meetings of a general nature or for supporting a series of lectures or seminars in one or more countries.

There will be no deadline for the receipt of applications which may be submitted at any time throughout the year.

The selection of successful applications will be as rapid as possible.

Each successful applicant will receive a travel allowance calculated on the basis of the tourist economy class air fare and a living allowance sufficient to cover board and lodging expenses.

No allowances will be paid for dependents.

¹In accordance with US Federal Regulations, this Programme is not open to employees of US Government Agencies.

Application forms and additional information may be obtained from:

**INTERNATIONAL UNION
AGAINST CANCER**
Conseil-Général 3/1205 Geneva
Switzerland

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POSITIONS OPEN

IMMUNOHISTOCHEMISTRY—Research assistant should have practical experience in production of antibodies and use of peroxidase in light and electron microscopy. Knowledge of CNS histology desirable. Starts September or October 1976.

ALSO OPENING FOR:

RESEARCH on effect of sterol and bile acids on colon cancer; GLC, TLC organic synthesis. Recent Ph.D. in bioorganic chemistry or biochemistry.

ALSO OPENING FOR:

RESEARCH SCIENTIST—For dynamic cardiovascular research project. Enzyme purification, general biochemical assays, knowledge of protein chemistry. Ph.D. plus related experience.

Please send curriculum vitae, indicating which position you are applying for, to: **M. Kerans, Personnel Department, New York University Medical Center, 587 First Avenue, New York, N.Y. 10016.** An Equal Opportunity/Affirmative Action Employer, M/F.

POSTDOCTORAL POSITION in enzymology is immediately available. Our laboratory is engaged in the isolation and characterization of adenylate kinases and in studies of the mechanism of phosphoryl transfer. A strong interest is required and experience in protein chemistry is desirable. The salary range is \$11,000 to \$13,000. Send résumé and two letters of reference by 15 October to **Dr. L. Noda, Department of Biochemistry, Dartmouth Medical School, Hanover, N.H. 03755.** An Affirmative Action and Equal Opportunity Institution.

POSITIONS OPEN

WANTED: Established **INVESTIGATOR** in viral and/or chemical oncology with interests in establishing in vitro carcinogenesis research programs in a hospital research setting. Ohio. Salary commensurate with experience. Send reply to **Box 386, SCIENCE.**

UNIVERSITY OF MELBOURNE LECTURESHIP DEPARTMENT OF GENETICS

Applicants must have an interest in the fields of evolutionary, population, or behavioral genetics and be capable of teaching an advanced course in one of these fields. The Department of Genetics has an academic staff of six. Excellent facilities, including an electron microscope, are available for research in most fields of genetics.

The successful applicant will be expected to commence duties as soon as possible after 1 January 1977.

The appointment may be offered as a continuing position or for a limited tenure of 2 to 5 years in duration.

Salary: \$13,033 to \$17,427 per annum.

Further information, including details of application procedure, is available from the Registrar. Applications referring to position No. 653006 should be addressed to **The Registrar, University of Melbourne, Parkville, Victoria, 3052, Australia.** Applications close on 8 October 1976.

POSTDOCTORAL POSITION

Regulation of polyoma early gene functions in transformed-permissive cells, starting October 1976 or later (\$11,200). Send résumé to: **Dr. Pierre Bourgaux, Département de Microbiologie, Faculté de Médecine, Université de Sherbrooke, Sherbrooke, Québec, Canada, J1H 5N4.**

POSITIONS OPEN

The **MOLECULAR BIOLOGY INSTITUTE** at UCLA and the associated Departments have a continuing interest in appointments at various professorial ranks for individuals of truly outstanding research and teaching accomplishment or promise in molecular biology. Teaching needs of Departments and research needs of the Institute are considered for any appointment. *UCLA is an Equal Opportunity Employer, and seeks applications from women and members of minority groups.* Application materials and references or queries for information may be sent to:

Paul D. Boyer
Director, Molecular Biology Institute
University of California
Los Angeles, California 90024

The **INSTITUTE OF GEOPHYSICS AND PLANETARY PHYSICS**, UCLA, conducts a program of advanced interdisciplinary research in the general areas of: the origin of the universe and astrophysics; origin and physics of the solar system and planetary systems; origin, history, and physics of the earth; origin and development of life on the earth. The Institute occasionally has openings for individuals whose contributions in any of these fields have already been widely recognized by the scientific community, or who demonstrate extraordinary promise of high achievement in these fields. Appointees in the Institute hold joint appointments in appropriate academic departments. Responses from individuals whose interests and accomplishments might make them eligible for such appointments may be directed to: **Dr. C. F. Kennel, Institute of Geophysics, University of California, Los Angeles, Calif. 90024.** An Equal Opportunity/Affirmative Action Employer.

MEDICAL TECHNOLOGIST—Our new 400-bed University teaching hospital has an immediate opening for a medical technologist who has had experience in tissue culture and various other laboratory techniques. The opportunity exists for joint and independent research. Send résumé to **University of Massachusetts Medical Center, Employment Office, 55 Lake Avenue North, Worcester, Mass. 01605.** An Equal Opportunity/Affirmative Action Employer.



Toxicologists

The General Foods Technical Center has 2 openings for individuals with experience in toxicology research. You will enjoy excellent growth potential in a professionally stimulating environment.



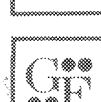
Sr. Toxicologist - Ph.D.

Ph.D. degree in Toxicology or Pharmacology with 3-5 years experience in the design, supervision and conduct of acute/chronic toxicological screening of chemicals in lab animals. Salary commensurate with experience.



Ass't. Toxicologist - BS/MS

BS or MS science degree with 2-3 years experience in acute/chronic toxicology testing in laboratory animals. Candidate will assist Sr. Toxicologist in carrying out research projects.



Suburban community just north of NYC offers attractive working and living conditions. If you have depth of experience needed for these openings, reply fully with resume and salary requirements to: Personnel Associate D-7.



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DIRECTOR

RESOURCE SYSTEMS OMSTOTITE EAST-WEST CENTER

The East-West Center in Hawaii is seeking a scholar-administrator to direct the development of its East-West Resource Systems Institute, to be inaugurated in fall 1977 through the merger and expansion of the present Food Institute and the Technology and Development Institute. The new Institute's purpose is to promote understanding and better relations among nations East and West by generating new knowledge of, developing policy aids and educational materials on, and organizing learning about the mutually consequential problems of resource systems within and among nations—for example, uneven resource distribution, uncertain and unstable resource exchange mechanisms, choices among resource alternatives, and interdependent effects of resource use. The Institute's director will provide intellectual and administrative leadership to an academic staff of approximately 18 from different disciplines and nations and a supporting staff of about 12 in designing, conducting, and evaluating cooperative team projects which carry out this purpose.

Candidates should be internationally recognized authorities in one or more fields pertinent to the international links among resource systems and to resource planning, development, use, and management at micro as well as at macro levels. Requirements include significant scholarly contributions to knowledge of transnational resource systems; contributions to the formulation or understanding of public policy on resources; at least 5 years of successful, full-time, progressively responsible experience in management of research and development organizations or units; demonstrated ability in and commitment to problem-oriented, interdisciplinary, team research; demonstrated interest in promotion of understanding and better relations among nations; and demonstrated ability to work with people from diverse cultures. It is desirable for all applicants to have lived and worked successfully in a culture other than their own. *The Center encourages applications from and nominations of all qualified candidates and is an Equal Opportunity Employer.*

Salary range: US\$31,309 to \$37,549 plus a current 12½ percent cost-of-living allowance and 20 percent benefits package. Nominations and applications, including a complete curriculum vitae, should be submitted before 1 December 1976 to **Dr. John Brownell, Vice President for Academic Affairs, East-West Center, 1777 East-West Road, Honolulu, Hawaii 96822.**

An Equal Opportunity Employer, M/F



Michigan Cancer Foundation

The Michigan Cancer Foundation, a broadly based, university-affiliated, cancer research and service institution, has undertaken substantial new initiatives in cancer epidemiology. The resources committed to these initiatives from both local and federal sources are equally substantial and reflect the importance of this discipline to our program.

We are seeking a chairman for our Department of Epidemiology. The broad range of activities in which this department is presently involved includes:

Operation of a population-based cancer reporting system in the Detroit metropolitan area, which has a population of 4.2 million. The cancer registry is fully established and is a participant in the Program of Cancer Surveillance, Epidemiology, and End Results Reporting (SEER), sponsored by the National Cancer Institute.

Development and operation of a program of epidemiologic field studies. There is particular interest in the investigation of environmental and occupational risks.

Evaluation of the impact of major program activities, with emphasis on a newly established community-wide cancer control demonstration program sponsored by the National Cancer Institute.

The development of an Evaluation and Analytical Support Group for our Comprehensive Cancer Center.

Reply with Resumé to:

Marvin A. Rich, Ph.D.
Vice President and Scientific Director
Michigan Cancer Foundation
110 E. Warren
Detroit, Michigan 48201

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UNIVERSITY OF PETROLEUM AND MINERALS DHAHRAN, SAUDI ARABIA

• The **DEPARTMENT OF CHEMISTRY**, University of Petroleum and Minerals, Dhahran, Saudi Arabia, will have **FACULTY POSITIONS** open for the academic year 1977-78 starting 1 September 1977 to teach in the undergraduate department with a developing graduate program. Applications at all rank levels will be considered. Candidates should have teaching and research interests. English is used for instruction.

• The **DEPARTMENT OF ELECTRICAL ENGINEERING**, University of Petroleum and Minerals, Dhahran, Saudi Arabia, has a vacancy for a **FACULTY MEMBER** with background in **CRYOGENIC APPLICATIONS OF ELECTRICAL OR ELECTRONIC ENGINEERING**. Applications are invited from candidates with Ph.D. degrees in electrical engineering or physics and 2 years of experience in cryogenics.

The University is developing a liquid helium facility and the candidate is expected to participate in this development as well as to undertake teaching and research duties. English is used for instruction.

• The **DEPARTMENT OF GEOLOGY**, University of Petroleum and Minerals, Dhahran, Saudi Arabia, will have **FACULTY POSITIONS** open for the academic year 1977-78, starting 1 September 1977. Candidates with Ph.D. degrees preferably with teaching experience are invited to submit their applications. English is used for instruction.

• The **DEPARTMENT OF MATHEMATICS**, University of Petroleum and Minerals, Dhahran, Saudi Arabia, will have **FACULTY POSITIONS** open for the academic year 1977-78, starting 1 September 1977, in the following areas:

Applied mathematics (main area)
Applied statistics
Algebra
Geometry
Analysis
Topology

English is used for instruction.

• The **DEPARTMENT OF PHYSICS**, University of Petroleum and Minerals, Dhahran, Saudi Arabia, will have **FACULTY POSITIONS** open for the academic year 1977-78, starting 1 September 1977. **EXPERIMENTAL PHYSICISTS** with Ph.D. degrees and background in nuclear physics, cryogenics, and surface science willing to develop laboratories for M.Sc. program in these areas are sought. There are also openings for **TEACHERS** with M.Sc. degree and teaching experience. English is used for instruction.

Facilities available are IBM 370/158; PDP minicomputers; Austin Science Mossbauer; Accelerator Inc. neutron generator; nitrogen and helium liquefiers; GCA/McPherson ESCA-36; Varian FC 12 E UHV chamber with Leed, Auger, and photoemission capabilities; and Varian VT118 B sputtering equipment.

Minimum regular contract is for 2 years, renewable. Competitive salaries and allowances, free air-conditioned and furnished housing, free air transportation to and from Dhahran each 2-year tour. Attractive educational assistance grants for school-age dependent children. Local transportation allowance in cash each month. All earned income without Saudi taxes. Ten-month duty each year with 2-month vacation paid and possibility of participation in University's ongoing summer programs with adequate additional compensation.

Apply with complete résumé on academic and professional background, list of references, publications and research details, and with copies of degrees/testimonials, including personal data, such as home and office addresses, telephone numbers, and family status (names of children, age and sex) to:

University of Petroleum and Minerals
c/o Saudi Arabian Educational Mission
Suite 400
2223 West Loop South
Houston, Texas 77027

POSITIONS OPEN

PHYSIOLOGIST

The University of California, Irvine, College of Medicine, Department of Physiology, is recruiting for an assistant or associate professor.

Candidates should have demonstrated excellence in research in biophysical aspects of physiology. Preferred areas of research will be complementary to the activities of the existing faculty, such as: excitation-contraction coupling, synaptic transmission, or membrane excitability. The successful candidate will have shown excellence and originality such that he/she can be expected to be a leader in the field of research. Duties include teaching cardiovascular physiology to medical students and conducting courses in biophysics and physiology for graduate students. Candidates should hold the doctorate and have postdoctoral research training.

Applications from qualified candidates are welcome; minorities and women are encouraged to apply. Send names of four references and curriculum vitae to: **Dr. Peter F. Hall, Professor and Chairman, Department of Physiology, University of California, Irvine, California 92717**, by 8 November 1976.

POSTDOCTORAL POSITIONS available: (i) the role of steroid and polypeptide hormones in rat mammary cancer; (ii) pathogenesis of plasma cell tumor (tissue culture experience essential); and (iii) glucocorticoid action on lymphoid tumors. Send curriculum vitae to **Director, Research Institute, Hospital for Joint Diseases and Medical Center, 1919 Madison Avenue, New York, New York 10035**. Affiliated with the Mt. Sinai School of Medicine. *An Equal Opportunity Employer.*

WANTED: Ph.D. **RESEARCH ASSOCIATE** with postdoctoral experience in cell culture and biochemistry. Experience in electron microscopy preferred. Interests in carcinogenesis with mammalian epithelial systems. Salary commensurate with experience. Ohio. Send reply to **Box 385, SCIENCE**.

RESEARCH BIOCHEMIST JOSLIN DIABETES FOUNDATION, INC.

Established biochemical investigator, M.D. or Ph.D. degree, or both, to participate in research into the causes and treatment of diabetes, particularly B-cell metabolism, and to participate in teaching and training of medical students and postdoctoral fellows. Affiliated with Harvard Medical School.

Organization: a private, nonprofit, nonsectarian Foundation chartered in Massachusetts dedicated to diabetes research, education, patient care, and youth programs. *An Equal Opportunity/Affirmative Action Employer.*

Application: send curriculum vitae, bibliography, and names of three potential references to **George F. Cahill, Jr., M.D., Director, Elliott P. Joslin Research Laboratory, One Joslin Place, Boston, Massachusetts 02215**.

SENIOR VISITING PROFESSOR

The University of Michigan, Dearborn, invites applicants for a visiting professorship from a senior scholar in the natural sciences for the academic year 1977-78.

The University of Michigan, Dearborn, is a rapidly growing urban university in the metropolitan Detroit area and has available the resources of the University of Michigan, Ann Arbor.

The Natural Sciences Department presently consists of 23 faculty members and offers bachelor degree programs in biochemistry, biophysical sciences, chemistry, environmental sciences, experimental biology, and physics.

The successful applicant will be expected to teach courses in his/her specialty and to actively participate in the educational and research activities of the department.

Send letters of inquiry and curriculum vitae to **M. J. Schneider, Chairman, Department of Natural Sciences, The University of Michigan, Dearborn, 4901 Evergreen Road, Dearborn, Michigan 48128**. (Or telephone **M. J. Schneider at 313-271-2300**.) *A Non-discriminatory, Affirmative Action Employer.*

POSITIONS OPEN

OCEANOGRAPHY

The Department of Oceanography, University of Washington, invites nominations and applications for a faculty appointment to serve as **Associate Chairperson for Research**. The duties are administration and teaching/research. Administrative responsibilities include enhancing the effectiveness of current research activities, overseeing research support operations, and providing leadership in developing new research programs and facilities. Applicants must have a distinguished record of research accomplishments and broad experience in oceanography. The preferred starting date is 16 September 1977. Applications must include a curriculum vitae, a list of publications, and names of four potential references. The application deadline is 30 November 1976. Contact:

**Dr. T. Saunders English
Chairman, Search Committee
Department of Oceanography, WB-10
University of Washington
Seattle, Washington 98195**

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RADIOECOLOGIST

Ecosystems Department, Battelle Pacific Northwest Laboratories, invites applications from Ph.D. or equivalent scientists for the position of research scientist. Applicants must have knowledge and/or training in radiochemistry, radionuclide cycling, dosimetry, and quantitative ecology methodology.

The selected candidate will organize and conduct descriptive and experimental research involving radionuclides in waste management areas on the ERDA Hanford Reservation.

Reply in confidence with detailed résumé to **E. P. Galbraith, BATTELLE-NORTHWEST, P.O. Box 999, Richland, Washington 99352**.

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RESEARCH BIOCHEMIST

Immediate opening in Division of Nuclear Medicine, University of Arizona Medical Center. Ph.D. or M.S. in biochemistry. Position involves fractionation and characterization of radiolabeled antineoplastic agents. Experience using Sephadex column chromatography, electrophoresis, or ultracentrifugation is desirable. Experience in radiochemistry is not a prerequisite. Salary is commensurate with degree and experience; funding provided by NCI contract with expected duration of 3 years. Interested applicants should submit curriculum vitae and three letters of reference to **James M. Woolfenden, M.D., Division of Nuclear Medicine, University of Arizona Medical Center, Tucson, Arizona 85724**. *An Equal Opportunity/Affirmative Action Employer.*

THERAPEUTIC RADIOLOGIST, assistant professor, with interest in teaching of residents and medical students. There will be a proportion of time concerned with clinical work and with an outreach consultation service as part of our Comprehensive Cancer Center. Interest in applied or basic research would be an advantage. Should be licensed or licensable in the state of Ohio and Board-qualified or -certified. Send curriculum vitae to **Dr. Frank Batley, Division of Radiation Therapy at Ohio State University Hospitals, 410 West Tenth Avenue, Columbus, Ohio 43210**. *An Equal Opportunity/Affirmative Action Employer.*

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP IN BIOCHEMICAL GENETICS

Available immediately in program concerned with detection and study of human inborn errors of metabolism. Stipend \$12,000. U.S. citizenship required. *An Equal Opportunity Employer.* Apply to: **Robert Guthrie, Ph.D., M.D., State University of New York at Buffalo, Department of Pediatrics, P.O. Box U, Station B, Buffalo, New York 14207**.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS

NIH-supported postdoctoral fellowships immediately available for the study of **immunology of host-parasite relationships**. Strong background in immunology and/or parasitology necessary. Appointments on annual basis, renewable. U.S. citizens or permanent residents.

Send curriculum vitae and names of three referees to **E. J. L. Soulsby, Department of Pathobiology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, Pa. 19174**.

The University of Pennsylvania is an Equal Opportunity Employer.

FELLOWSHIP

Openings for biochemists, neurologists, neuropathologists, and pharmacologists in NIH-sponsored multidisciplinary postdoctoral training program in **biochemical neuropathology**. Trainees will participate in graduate courses and seminars and will pursue individual research projects in one of the following areas: brain tumor metabolism, biochemistry of spinal cord injury, disorders of lipid metabolism and experimental demyelinating conditions, peripheral nerve disorders, muscle histochemistry, and experimental neurology of the nervous system. Send inquiries to **Dr. J. Norman Allen, Division of Neurology, Ohio State University, 466 West Tenth Avenue, Columbus, Ohio 43210**.

PULMONARY IMMUNOLOGY—The Department of Microbiology of West Virginia University Medical Center has available two NIH-funded postdoctoral training **research fellowships**. The program is designed to provide intensive research training to qualified individuals (Ph.D., M.D., or D.V.M.) in the immune responses of the lung and the pathogenic mechanisms of immune injury in pulmonary diseases. Opportunity to collaborate with established investigators in this field. *West Virginia University is an Equal Opportunity/Affirmative Action Employer.* To apply, send curriculum vitae to **Robert Burrell, Ph.D., West Virginia University Medical Center, Morgantown, West Virginia 26506**. Expiration date: 1 November 1976.

TRAINEESHIP

POSTDOCTORAL TRAINEESHIPS

Selected trainees participate in research on **cardio-vascular/respiratory/cellular and/or biochemical mechanisms in altered metabolic states** with opportunity to work with faculty in biochemical, physiological, pharmacological, and bioengineering research in molecular, cellular, organismal, and/or intact animals. Supported in part by: National Service Award for Research Training. To apply for fellowships, send résumé and three letters of recommendation to: **Dr. X. J. Musacchia, Director, John M. Dalton Research Center, University of Missouri, Columbia, Missouri 65201**.

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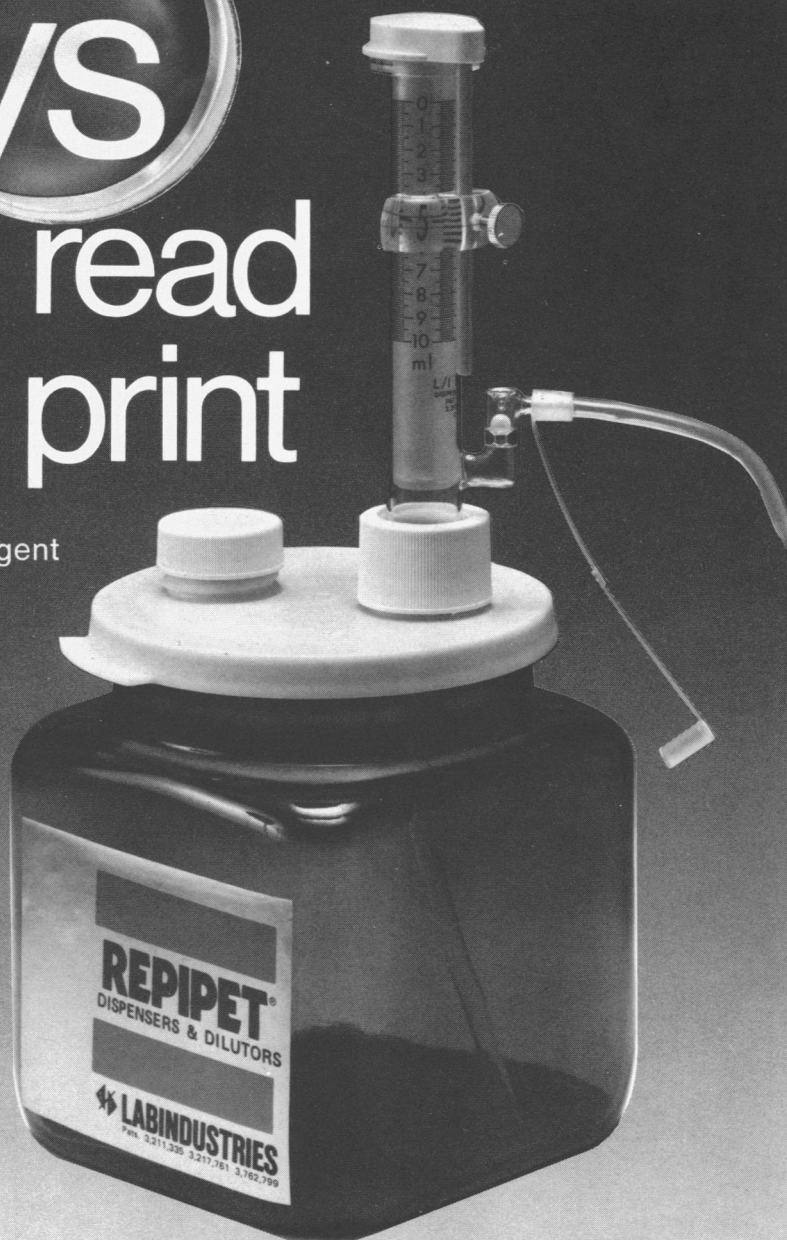
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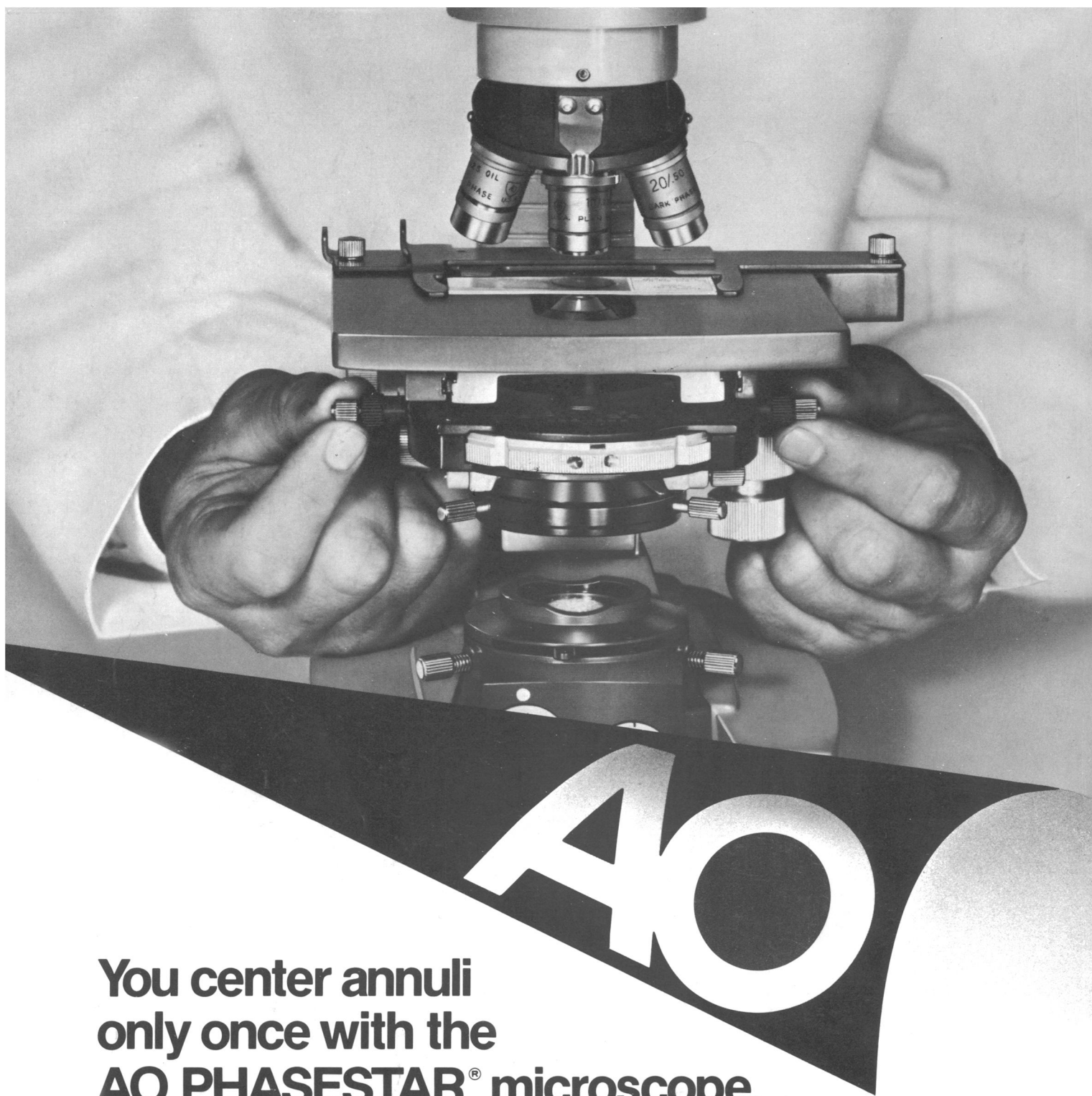
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