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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.

POSITIONS WANTED: 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

POSITIONS OPEN: \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

COPY for ads must reach SCIENCE 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

SCIENCE, Room 211
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

Box (give number)
SCIENCE
1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Analytical Chemist, Ph.D., 1971. Two years of research experience in aerotoxicology. Extensive training in drug assay, drug formulation, drug metabolism, and design of analysis procedures. Seeking challenging industrial and/or marketing position in pharmaceuticals, chemicals, or related field. Box 592, SCIENCE. X

Biochemist/Enzymologist, recent Ph.D. Research experience in nitrogen metabolism and endocrinology. Seeks postdoctoral or industrial research position. Prefers East Coast. Available immediately. Box 593, SCIENCE. X

Biochemist, Ph.D. 1972. 1½ years' endocrinology postdoctoral. Experienced in immunoassay, protein/hormone purification, enzymology. Desires postdoctoral or staff position in East. Available September 1974. Box 594, SCIENCE. X

Biochemist-Chemist (Physiology), M.S., Ph.D., broad research interest; college teaching, pharmaceuticals, hospital clinical chemistry, and cancer. Desires responsible academic, research institute, or industry. Publications. East. Box 595, SCIENCE. X

Biostatistician, Ph.D., 10 years' experience in biomedical teaching, consultation, and collaborative research. Seeks teaching and/or research position at medical or dental school. Box 596, SCIENCE. X

Cell Biologist, Ph.D. Nine years of experience in research and teaching in area of protein and nucleic acid synthesis during cellular differentiation. Publications. Creative and analytical. Interested in full-time collaborative research (industrial or academic) in biochemistry of eukaryotic control of gene expression. Box 597, SCIENCE. X

Marketing Executive: Medical Products. Planning sales in Europe? . . . What is your export share? I am a multilingual Swiss national with 12 years of experience in marketing with U.S. firms, both in the United States and Europe. Experienced with optical, medical and laboratory products. Preferred base location in Switzerland. If you wish to begin or enhance your market position in Europe, write % 88 Huntleigh Circle, Amherst, N.Y. 14226. X

Microbiologist/Botanist, Ph.D., 1971. Three years' postdoctoral training. Experience in mutagenesis; inorganic nitrogen and pyrimidine pathway mutants; blue-green algal physiology; photosynthesis; inhibition, enhancement, and fluorescence; nitrate and nitrate reductase purification; flavodoxin amino acid sequence. Publications. Desires academic position, teaching, and research. Dr. S. E. Stevens, Jr., Department of Zoology, University of Texas, Austin, Texas 78712. X

POSITIONS WANTED

I am tired of this Midwest weather! Ph.D. **Microbiologist**, 4 years' postdoctoral research, teaching, and industrial experience, publications. Seeking teaching position or industrial R & D. Moderate weather and a seacoast. Box 598, SCIENCE. X

Quantitative Plant Ecologist, Ph.D., 1963. English. Four years' U.S. postdoctoral training in multivariate statistical analysis. Teaching experience. Academic position with teaching and research or applied position in United States/Canada sought. Box 599, SCIENCE. X

Physiologist, Ph.D. Endocrinology, reproduction. Two years of extensive teaching experience. Desires research or research/teaching position. Box 600, SCIENCE. X

Research Assistant-Technician. Available January: 1½ years' experience animal, particularly primate, behavioral research; publications. Interests: development, drug-behavior effects, experimental psychopathology. Write: Baldwin, Box 373, Emporium, Pa. 15834. X

Summer Teaching. Field botany or plant taxonomy, anywhere in United States or Canada. Box 601, SCIENCE. X

Supervisory Chemist, Ph.D. Organic-analytical experience: toxicology, physical biochemistry research, production. Health fields: biologicals, pharmaceuticals. Desires governmental, industrial, or academic position. Box 602, SCIENCE. X

Toxicologist, Ph.D., teaching and administration experience in pharmacy and medical schools. Main interest forensic and occupational medicine. Seeks governmental, industrial, or research position. Box 585, SCIENCE. X

Veterinary Pathologist (D.V.M., Ph.D.). Previous industrial consultation and extensive experience in laboratory animal and nonhuman primate pathology. Seeks histopathology slide consultations for research and/or industry. Box 603, SCIENCE. X

Zoologist, British Ph.D., 1969. Seven years' experience of teaching and research in vertebrate physiology, especially endocrinology. Seeking teaching/research position. Many publications. Curriculum vitae and references supplied on request. Box 604, SCIENCE. X

POSITIONS OPEN

ALGOLOGIST

(Assistant Professor of Botany; Ph.D.)

UNIVERSITY OF WASHINGTON, SEATTLE

Appointment effective 15 September 1974. Duties include undergraduate and graduate teaching, while the candidate is also expected to develop an independent research program. *An equal opportunity employer.* Send curriculum vitae and references before 31 January to: **Algologist Search Committee, % Dr. B. J. D. Meese, Botany Department (AK-10), University of Washington, Seattle, Wash. 98195.**

ARTHROPOD VECTORS OF PLANT PATHOGENS

Faculty position in teaching and research at Assistant Professor level, to contribute to existing program in the field of arthropod vectors of plant pathogens. Candidates holding a Ph.D. degree regardless of sex or ethnic origin are invited to apply. Further information supplied on request to **Professor D. P. Furman, Acting Chairman, Division of Entomology and Parasitology, 201 Wellman Hall, University of California, Berkeley, California 94720.**

ASSISTANT PROFESSOR position available for Ph.D. to teach general microbiology and/or medical microbiology and other courses to undergraduates at a rapidly developing campus. Must be able to develop research program. Salary is competitive. Applicants should submit curriculum vitae, three letters of reference, and transcripts to: **Faculty Search Secretary, College of Art, Sciences, and Letters, The University of Michigan-Dearborn, Dearborn, Michigan 48128. A non-discriminatory affirmative action employer.**

DIVISION OF BIOCHEMISTRY UNIVERSITY OF WYOMING

Applications from candidates with postdoctoral experience will be accepted through 31 January for the position of Assistant Professor. The area of Biochemistry is open, and selection will be made primarily on the basis of scientific promise. *The University of Wyoming is an equal opportunity employer.* Send curriculum vitae and three letters of reference to: **Dr. C. L. Villemes, University Station, Box 3944, Laramie, Wyoming 82071.**

**UNIVERSITY OF ALBERTA
FACULTY OF DENTISTRY
DEPARTMENT OF ORAL BIOLOGY**
Opportunities for research in:
**BIOCHEMISTRY
MICROBIOLOGY
PHYSIOLOGY**

for those who wish to receive training in health sciences research specializing in connective tissue biochemistry, neuromuscular physiology or nucleic acid chemistry leading to M.Sc. or Ph.D. degrees. Graduate assistantship support is available.

Address inquiries to **Chairman, Department of Oral Biology, University of Alberta, Edmonton, Alberta, Canada T6G 2H7.**

The Research Institute of Pharmaceutical Sciences, School of Pharmacy, University, Miss., is seeking candidates for two positions: (1) **ASSISTANT DIRECTOR OF BIOLOGICAL SCIENCES**, (2) **INVESTIGATOR IN THE BIOLOGICAL SECTION**. Candidates with a background in pharmacological screens are of particular interest. Both positions require a Ph.D. degree in Pharmacology or Toxicology. Salary will be commensurate with experience and equivalent academic positions. Interested persons should send biographical data, publications, and so forth, to **Dr. Carlton Turner, Associate Director, Research Institute of Pharmaceutical Sciences, School of Pharmacy, University, Miss. 38677.**
An equal opportunity, affirmative action employer.

**UNIVERSITY OF LEICESTER
SCHOOL OF BIOLOGICAL SCIENCES**
Botany Department

Applications are invited for a Senior Lectureship or Readership (within the scale £4368 to £5496 per annum) in Plant Taxonomy to take up appointment from 1 October 1974 or as soon thereafter as possible. The person appointed will be responsible for the teaching of taxonomy in the School and for the supervision of the Herbarium (approaching 10,000 specimens), and will be expected to help in the development of the University Botanic Garden.

Applications should reach the **Registrar, University of Leicester**, by 23 February 1974, from whom further particulars may be obtained.

CHAIRMAN. The Department of Physics and Astronomy at the University of Toledo is at present considering applications for the position of chairman of the department. We are seeking an enthusiastic educator who has considerable research and administrative experience. The salary is negotiable and commensurate with the background and experience of the person selected to fill the position. *The University of Toledo is an equal opportunity/affirmative action employer.* For further information please contact **Prof. R. Bohn, Chairman of the Search Committee, The University of Toledo, Toledo, Ohio 43606.**

CHAIRPERSON—BIOLOGY DEPARTMENT

Department seeks chairperson to administer ten-member department offering undergraduate and graduate (Ph.D.) degrees. Applicants should submit curriculum vitae to: **Search Committee, Department of Biology, Lehigh University, Bethlehem, Pa. 18015** by 1 February 1974. Position starts July 1974. Letters of reference on behalf of selected applicants will be requested after an initial screening. *An equal opportunity employer.*

CLINICAL PHARMACOLOGIST

Growing pharmaceutical firm in New England desires clinical pharmacologist for phase I and II studies in a broad range of product areas. Opportunities for independent research, teaching, advancement. Starting salary \$28,000 or higher, depending on qualifications. Send salary requirements and curriculum vitae to:

**Ms. W. J. Mulhern
Astra Pharmaceutical Products, Inc.
Neponset Street
Worcester, Mass. 01606**
An equal opportunity employer

GENETICIST

Research interests in developmental genetics of metazoa. Undergraduate teaching in genetics and general zoology, graduate teaching in area of research competence. Postdoctoral experience and/or outstanding research potential required. Position available August 1974; Assistant Professor rank. Please send biographical summary, publications, and three letters of reference to: **J. C. Lucchesi, Department of Zoology, University of North Carolina, Chapel Hill, N.C. 27514.** *An equal opportunity employer.*



University of Idaho

COLLEGE OF MINES

The University of Idaho requests applications for the position of Dean of the College of Mines. The Dean is also Director of the Idaho Bureau of Mines and Geology. The College has ECPD accredited undergraduate and graduate programs in geological, metallurgical and mining engineering, geography (regional planning), geology and hydrology. Applicants should be qualified in one of these disciplines and should be experienced in teaching, research and administration. Applications are due before 15 February 1974. The applicant selected will assume the office 1 July 1974.

Interested persons with appropriate qualifications are asked to send their résumés to: **Dean John H. Ehrenreich, Chairman, College of Mines Search Committee, College of Forestry, Wildlife and Range Sciences, University of Idaho, Moscow, Idaho 83843.**

The University is an equal opportunity, affirmative action employer.

**ECOLOGIST WITH GEOLOGICAL INTERESTS
OR PALEOECOLOGIST WITH BIOLOGICAL
INTERESTS**

The Department of Geology of Case Western Reserve University invites applications for positions at the Assistant Professor level in Marine Benthic Ecology and Paleoecology. Position involves research and teaching at both the graduate and undergraduate level. Joint appointment with Biology if desired. An interest and competence in environmental problems is required. Qualified applicants should send résumés, references, and publications to **Professor Robert Douglas, Geology Department, Case Western Reserve University, Cleveland, Ohio 44106.**

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**RESEARCH
MICROBIOLOGIST**

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

The successful candidate must have a Ph.D. in microbiology with expertise in microbial genetics and mutation. This individual should also possess a strong background in biochemistry. The responsibilities will include the development of genetics systems and consultation with other scientists involved in strain improvement programs.

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

Send personal résumé plus salary requirements in confidence to:

**Bruce G. Raak, Placement Representative
MARSCHALL DIVISION
Dept. 686
MILES LABORATORIES, INC.
Elkhart, Indiana**

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The position will be based at Searle International headquarters in Skokie, Illinois, a suburb of Chicago, and will involve about 25 percent international traveling.

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Excellent starting salary and superior benefits including profit sharing and relocation expenses. Send resume in confidence to:

Mr. John Schulz, Personnel Mgr.

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Division of Miles Laboratories
400 Morgan Lane
West Haven Connecticut 06502

(An equal opportunity employer, m/f)

UNIVERSITY OF NEW SOUTH WALES PROFESSOR OF FOOD TECHNOLOGY

Applications are invited for appointment to the above-mentioned chair in the School of Chemical Engineering. The present Head of School is Professor R. T. Fowler. Applicants should be experienced in food science and technology and be capable of providing leadership in their particular fields of interest. Professional qualifications and research experience in areas such as chemistry, biochemistry, microbiology or nutritional standards of foods are desirable. The professor will supervise and participate in teaching and examining undergraduate and postgraduate students in the School and engage in and promote research and advanced study in the field of his chair.

The successful applicant will become the head of the department of Food Technology. Establishment of the department in the future as a separate school is being considered.

Salary \$A19,102 per annum. Subject to the consent of the University Council, professors may undertake a limited amount of higher consultative work. The University reserves the right to fill any chair by invitation.

Applications close in Australia and London on 1 March 1974.

Details of appointment, including superannuation, study leave and housing scheme, may be obtained from the Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF.

POSITIONS OPEN

CURATORIAL ASSISTANT

To maintain herpetological and ichthyological collections. B.S. in Biology, formal course training in herpetology and ichthyology, and museum experience desirable. Send résumé and two letters of recommendation to: **Personnel Office, B-12 Ives Hall, Cornell University, Ithaca, N.Y. 14850.**

An Equal Opportunity Employer, M/F

GEOLOGY FACULTY POSITIONS

The Geology Department of the University of South Carolina anticipates filling two vacant faculty positions effective September 1974.

Applications are being sought for an experienced petrologist with a strong commitment to teaching and field studies. The second post at associate or full professor level is open. Applicants should have strong interest in research and in collaborative work.

The department has major research programs in coastal processes, geomorphology and stratigraphy, Appalachian and North African geology, rock mechanics, paleomagnetism and seismology.

Requests for further information and applications with curriculum vitae and letters of recommendation should be addressed to:

Professor Alan E. M. Nairn, Chairman, Search Committee, Department of Geology, University of South Carolina, Columbia, South Carolina 29208.

The University of South Carolina is an equal opportunity, affirmative action employer.

LABORATORY SPECIALIST

Large university teaching hospital has an opening in a research laboratory for a laboratory specialist with electron microscopy experience. Applicants must have a B.A. degree in natural science. Send salary history and résumé to: **University of Virginia, Personnel Department, Madison Hall, Charlottesville, Virginia 22903.** An Equal Opportunity Employer.

DEPARTMENT OF MOLECULAR BIOPHYSICS AND BIOCHEMISTRY, YALE UNIVERSITY

An ASSISTANT PROFESSOR opening in this department will be filled for the coming academic year. Candidates should have exceptional qualifications in research and in teaching. Applicants should send, before 9 February 1974, a curriculum vitae, list of publications, and names and addresses of three referees to: **Franklin Hutchinson, Chairman, Department of Molecular Biophysics and Biochemistry, Yale University, Box 1937, Yale Station, New Haven, Conn. 06520.**

An Equal Opportunity/Affirmative Action Employer

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH NEW ZEALAND

Physical Chemist or Microbiologist

DSIR, New Zealand, is forming a research team in the Ecology Division to study the causes and effects of the eutrophication of lakes and rivers. A physical chemist or microbiologist is required to study processes at the sediment/water interface of lakes.

Qualifications desired: Ph.D. or equivalent experience in limnology.

Salary: Up to NZ\$9963 per annum, depending on qualifications and experience. Further promotion is on merit. A higher salary may be negotiated for a specially qualified applicant.

The appointee will be based with the team at Taupo, on the shore of Lake Taupo (238 square miles in area) in the center of the North Island of New Zealand.

Further information may be obtained from the Director, Ecology Division, DSIR, P.O. Box 30466, Lower Hutt, New Zealand.

Application forms may be obtained from the **New Zealand Embassy, 19 Observatory Circle NW, Washington, D.C. 20008** with whom applications close on 1 February 1974. Applicants should quote Vacancy No. 5947.

POSTDOCTORAL POSITION IN BACTERIAL PHOTOSYNTHESIS

Available immediately for research on energy-linked reactions in bacterial photosynthesis. Recent Ph.D. in biochemistry, for a period of 1 year. Send curriculum vitae to

**Dr. Joseph A. Orlando
Department of Biology
Boston College
Chestnut Hill, Mass. 02167**

POSTDOCTORAL POSITION

Available 1 January 1974 for studies on cardiac metabolism in animals on cardiopulmonary bypass. Background in cardiovascular dynamics essential and an interest in biochemical mechanisms. Send résumé and references to **Chairman, Department of Physiology and Biophysics, Chicago Medical School, 2020 West Ogden Avenue, Chicago, Ill. 60612.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH FELLOW IN CELLULAR TUMOR IMMUNOLOGY

Position available immediately. Send curriculum vitae to

**Mr. G. T. Mahoney
200 First Street, SW
Rochester, Minnesota 55901**

RADIOIMMUNO-TECHNICIANS

Radioimmuno-chemist. Prefer master's in Biochemistry or Immunology and experience in Radioimmunoassay.

Research technician. B.S. in Chemistry and experience in various technical areas, preferably in Radioimmunoassay.

Excellent benefits. Refer résumés to **Personnel, Medical College of Ohio, P.O. Box 6190, Toledo, Ohio 43614.**

RESEARCH ASSOCIATE

Ph.D. in biochemistry, preferably qualified in protein biochemistry, to work on the regulation of collagen synthesis and degradation in organ culture. Position available immediately. Salary \$10,000 to \$12,000 depending on experience. Send résumé and two letters of reference to: **Dr. C. Onkelinx, U-136, I.M.S. Building, University of Connecticut, Storrs, Connecticut 06268**

TOXICOLOGIST: FDA/EPA. Westchester-based corporation has excellent opportunity for knowledgeable professional, preferably with Ph.D. in Toxicology or Pharmacology; would consider D.V.M. Will oversee all research projects associated with Industrial Medicine, including involvement with development of toxicological studies; visit outside laboratories to set up studies, review related problems, and interpret the results. Excellent oral and written ability essential for communication with management, customers, and governmental agencies. Light travel will be incurred. Knowledge of governmental regulations concerning food, drugs, and environmental controls would be very advantageous. We offer a good salary commensurate with experience, plus comprehensive benefits program and fine potential for growth and advancement. Qualified applicants should send detailed résumé in confidence, specifying salary history and requirements to **Mr. Barry Roth, CIBA-GEIGY Corporation, Saw Mill River Road, Ardsley, New York 10502.** An equal opportunity employer/male and female.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

Immediate opening for postdoctoral fellow to participate in Renal and Cell Physiology research applying and developing electron probe microanalysis. Sound training in either micropuncture, histochemistry, electron probe microanalysis, or analytical chemistry required. Submit résumé and two supporting letters to **C. Lechene, Biotechnology Resource in Electron Probe Microanalysis, Harvard Medical School, 45 Shattuck Street, Boston, Mass. 02115.**

POLYMER SCIENCE AND ENGINEERING UNIVERSITY OF MASSACHUSETTS

Research fellowships up to \$4500 are available for September 1974 for students interested in obtaining an advanced degree in synthesis and characterization of polymers, physical chemistry of synthetics and biopolymers, as well as morphology and solid state properties of high polymers and polymer processing.

Applications for qualified students should be addressed to: **Dr. Otto Vogl, Polymer Science and Engineering, University of Massachusetts, Amherst, Massachusetts 01002.**

PREDOCTORAL FELLOWSHIPS IN PHYSIOLOGY

WHO? Are you an above average biology, physics, chemistry, mathematics, or engineering major?

WHAT? Interested in the function of the heart, blood vessels, hormones, kidney, immune system, or nervous system?

HOW? A limited number of stipends with tuition are available for a low student-adviser ratio training program in physiology.

INTERESTED? Write to **Graduate Program Director, Department of Physiology, Loyola University, Stritch School of Medicine, 2160 South First Avenue, Maywood, Illinois 60153.**

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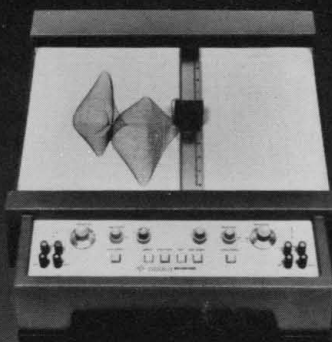
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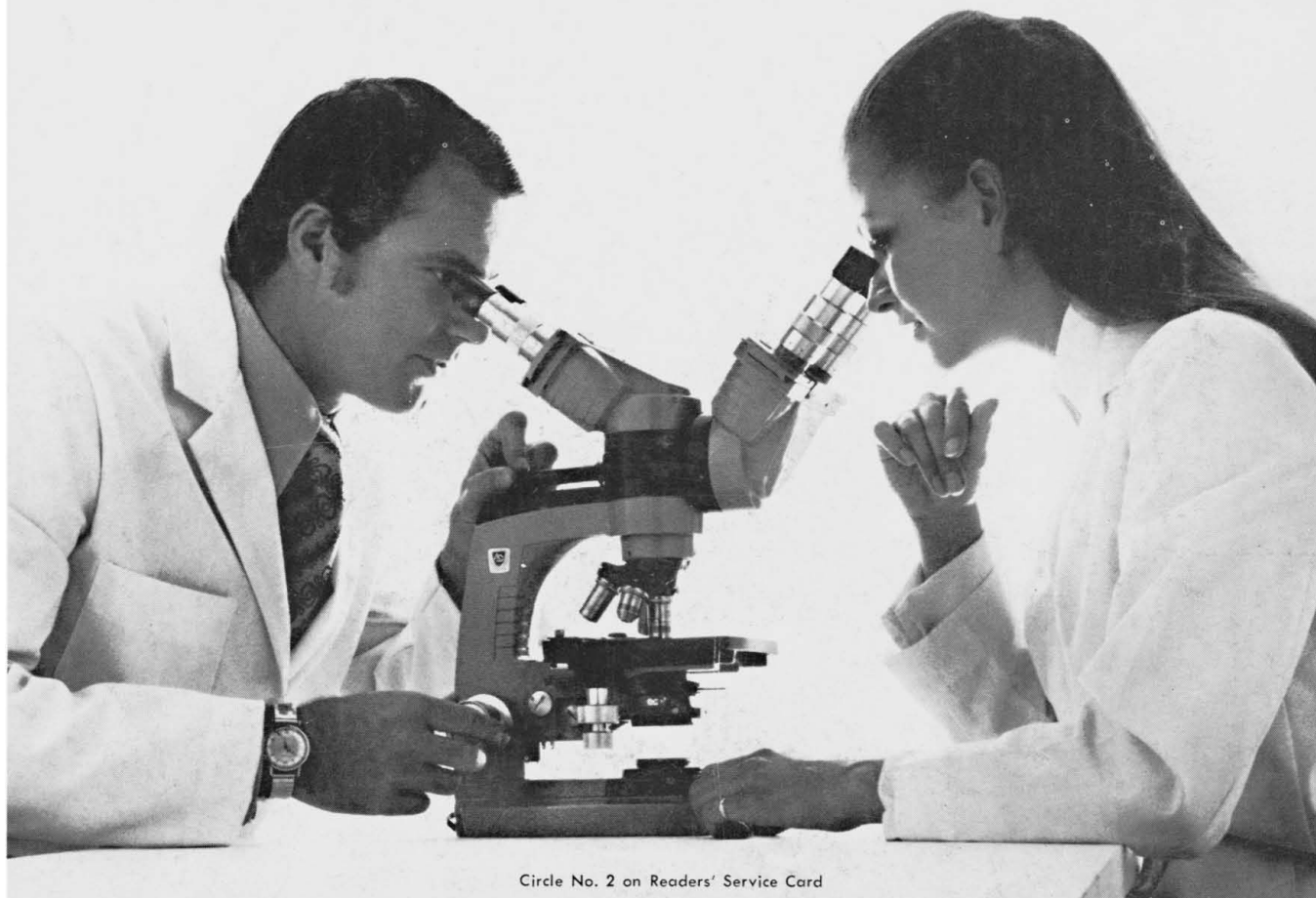
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