Schwarz/Mann Bulletin Board



Adenosine Nucleotides (ultra pure, enzyme grade)

Catalog No.	Compound	Price
90-2805	Adenosine-5'-Triphosphate, Disodium (ATP)	\$22/5 gm, \$75/25 gm, \$250/100 gm, \$1,050/500 gm
90-2812	Adenosine-5'-Monophosphate (AMP)	\$29/10 gm, \$47/25 gm, \$128/100 gm, \$467/500 gm
90-2813	Adenosine-5'- Diphosphate, Sodium (ADP)	\$15/1 gm, \$61/5 gm, \$210/25 gm, \$715/100 gm
90-2814	Adenosine-3':5'-cyclic Monophosphate (cAMP)	\$32/1 gm, \$124/5 gm, \$474/25 gm, \$1,392/100 gm
90-2815	N°-2'-0-Dibutyryl Adenosine 3':5' cyclic Phosphate, Sodium (N°-2'0-Dibutyryl cAMP)	\$24/100 mg, \$54/250 mg, \$81/500 mg, \$121/1 gm

NOTE WELL: (1) Purity of above >99% by UV absorption and chromatography (except ADP which is >95% pure). (2) Heavy metals (total) <10 ppm. (3) Now in stock.

Schwarz/Mann BD

Division of Becton, Dickinson and Company Mountain View Avenue, Orangeburg, New York 10962

All prices FOB shipping point and subject to change without notice.

Circle No. 105 on Readers' Service Card



Do your copies look like this?

If so, you need our attractive *Science* Binders to keep your copies of *Science* in good condition, and available for quick, easy reference. Simply snap the magazines in or out in a few seconds—no punching or mutilating. They open FLAT—for easy reference and readability. Sturdily constructed, these maroon imitation leather binders stamped in gold leaf will make a fine addition to your library.

Science Binders hold one three-month volume of Science. They have a 3-inch back and 14 fasteners. \$5.00 each. Four binders, \$17.00.

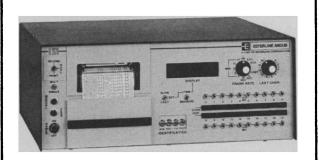
For orders outside the United States add 50 cents per binder. Imprint: name of owner, year of issues (for example: 1972-4 or vol. 178), add 85 cents per binder.

Send to Dept. V



AMERICAN ASSOCIATION for the ADVANCEMENT OF SCIENCE 1515 Massachusetts Avenue, N.W. Washington, D. C. 20005

Measure dirt cheap!



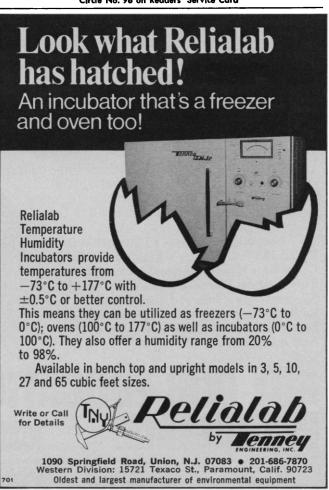
Gather weather data, pollution data, agricultural data, 5 to 200 channels

Measure it print it out tape record it feed it to the computer (Sound the alarm!)

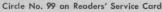
Low cost D-2020 data acquisition system does it all. Request Bulletin B-101 from Esterline Angus, P.O. Box 24000, Indianapolis, Indiana 46224. Telephone 317 244-7611



Circle No. 98 on Readers' Service Card









Circle No. 95 on Readers' Service Card

HOW TO GET THE SHOW ON THE ROAD.

Now you have the Beckman New Dimension Series of audio-visual technical programs available for your own lab, plant, or classroom...the same professionally acclaimed courses offered nationwide in Beckman Training Centers.

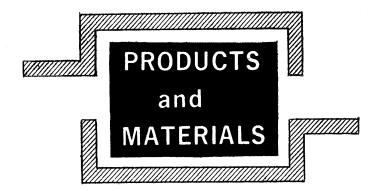
Each program, in a special album, consists of printed script, set of 35mm slides, and tape cassettes automatically keyed to the slides.

Courses listed below range from basic material to advanced instruction. For prices and full information, call or write to Beckman Technical Education Center, 2500 Harbor Blvd., Fullerton, Calif. 92634.

Enzymatic Analysis • Instrumental
Method in Cell Biology • Liquid Scintillation
Counting • Electrochemical Measurements •
Physiological Measurements • UV-Visible
Spectroscopy • Infrared Techniques •
Radioimmunoassay • Gas Chromatography •
Electrophoresis • Electroencephalography •
And many more.



INSTRUMENTS, INC.



Scanning Densitometer

The RFT instrument performs in reflectance, fluorescence, or transmittance modes in research or clinical applications. The carrier (8 by 8 inches) accepts support media such as cellulose acetate plates, various gels, agarose, and paper strips. Wavelength and gain may be dial-controlled when sample types are changed. The integrator interprets positive and negative points around the baseline. The recorder is a hot-wire pen system. The monochromator provides continuous wavelengths from 190 to 720 nanometers and the half bandwidth is 3 nanometers. Transidyne General Corporation. Circle No. 111 on Readers' Service Card.

Splash, Impact, and Radiation Shield

The laboratory shield is a table-top device that will accommodate several special windows. It can serve as a safety shield and as a radiation barrier if leaded glass is used. The barrier may be ordered with safety glass, acrylic, or polycarbonate glass. The front wall is 16 inches wide and 15 inches high; it is a stainless steel jacket that pockets a slab of lead 0.5 inch thick to absorb radioactivity and impact. The window frame slopes away from the user at a 45-degree angle. The base is roughly the same dimension as the front wall and serves as a stage. Atomic Products Corporation. Circle No. 113 on Readers' Service Card.

Scanning Densitometer

The Microzone R-112 model features automatic adjustment of gain and baseline. It also offers a selection of filters in an eight-position wheel configuration. The filters provided are 520, 550, 570, and 600 nanometers; there are four blank positions which can be fitted with filters from 400 to 700 nano-

meters for special applications. The sample is scanned and the baseline is set at zero automatically before tracing occurs. The operator selects scanning speeds of 0.25 or 0.14 inch per second and slit size of 0.3 by 2.0 millimeters or 0.4 by 5.0 millimeters. Beckman Instruments, Incorporated. Circle No. 112 on Readers' Service Card.

Literature

Cardiac Pacemakers and Mechanical Hearts: A Bibliography of Radioisotope Power Sources contains references to 176 publications that have appeared in Nuclear Science Abstracts, volume 21 (1967), through issue 5 of volume 27 (1973). Atomic Energy Commission Technical Information Center, Oak Ridge, Tenn. Circle No. 114 on Readers' Service Card.

Short Form Catalog details voltage and current stabilized power supplies. There are OEM modular systems in addition to bipolar operational power units and conventional high-voltage supplies. Kepco, Incorporated. Circle No. 115 on Readers' Service Card.

Thin Layer Chromatography and Laboratory Equipment Catalog includes plates, plate coaters, sample applicators, developing chambers, and ultraviolet visualization equipment. Analtech, Incorporated. Circle No. 126 on Readers' Service Card.

Infrared Spectra of Adhesives and Sealants is a collection of 300 spectra of synthetic and natural resins and both cured and uncured commercial end products. Sadtler Research Laboratories, Incorporated. Circle No. 116 on Readers' Service Card.

Cell Disruption Bomb describes a device for homogenizing or fractionating tissues, cell suspensions, organelles, and microorganisms by nitrogen decompression. Parr Instrument Company. Circle No. 117 on Readers' Service Card.

Spectrophotometer Catalog describes

a line of modules that may be combined to form systems for techniques such as atomic absorption, emission, or fluorescence spectroscopy in single beam or double beam configuration. Heath/Schlumberger Scientific Instruments. Circle No. 118 on Readers' Service Card.

Selector Manual for Rotary Vacuum Pumps consists of five sections that facilitate the sizing and selection of pumps or serves as a reference for pump specifications or installment tips. Kinney Vacuum Company. Circle No. 119 on Readers' Service Card.

Ellipsometers presents equipment and accessories for thin-film measurement. It also includes a bibliography on laser sources and techniques for illuminating small spots. Gaertner Scientific Corporation. Circle No. 120 on Readers' Service Card.

Micropositioners and Granite Optical Benches are treated in a 100-page catalog. Devices include modular stages, mirror mounts, prism tables, and powerdriven stages. Klinger Scientific Apparatus Corporation. Circle No. 121 on Readers' Service Card.

Freeze Drying Equipment describes lyophilization, manifold-chamber units, glassware, and accessories for research and industrial applications, Thermovac Industries Corporation, Circle No. 122 on Readers' Service Card.

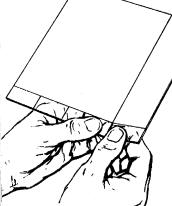
derivAMAC Wall Chart is a reference for peptide synthesis. It lists 11 protective groups against 23 amino acids to provide molecular weights and references for 243 derivatives. Pierce Chemical Company. Circle No. 123 on Readers' Service Card.

Laser Optics Catalog contains information on optical components for all wavelengths from ultraviolet to infrared, optical coatings, and narrow-band interference filters. Laser Optics, Incorporated. Circle No. 124 on Readers' Service Card.

Infrared Analytical Accessories lists performance features, spectra, and so forth for infrared spectrophotometer cells, crystals, and other accessories. Barnes Engineering Company. Circle No. 125 on Readers' Service Card.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card (see pages 494A and 582C) and placing it in the mailbox. Postage is free.—RICHARD G. SOMMER





THIN LAYER **CHROMATOGRAPHY PLATES**

PROVIDE SAVINGS OF 30% OR MORE OVER STANDARD 5 x 20 cm PLATES.

Scored on uncoated side with one-inch clear edge for han-dling and marking purposes, the Pre-Scored plates are easily snapped to desired size.

Available in two sizes with most stock adsorbents:

> 20 x 20 cm plates snap to: Two 10 x 20 cm or four 5 x 20 cm plates

10 x 20 cm plates snap to: Eight 2.5 x 10 cm slides

ANALYTICAL TLC UNIPLATES (250 microns or less)

PREPARATIVE UNIPLATES (500 - 2000 microns)

CHROMATOGRAPHY CHAMBERS

COATERS · APPLICATORS

TLC FULL-LINE CATALOG plus free samples on request



ANALTECH, INC.

75 BLUE HEN DRIVE, NEWARK, DELAWARE 19711 (302) 737-6960

Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

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

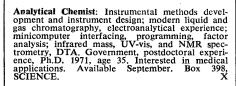
COPY for ads must reach SCIENCE 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement adver-tising to:

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

to blind ads should be addressed

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

POSITIONS WANTED



Aquatic Biologist, M.S. Three years of research experience in water pollution and eutrophication. Desires position in testing, consulting, or research. Box 421, SCIENCE, X

Aquatic Entomologist, Sc.D., interested in water pollution, ecology and taxonomy, more than 25 publications, research and teaching experience. Seeks challenging position. Box 389, SCIENCE. 8/10

Developmental Biologist, Ph.D. Extensive experience in cell culture and vertebrate embryology. Interested in the application of in vivo and in vitro techniques to the detection of embryopathic and teratogenic agents. Box 399, SCIENCE. X

Immunologist, Ph.D. Seeks academic/research position. Seven years of research experience in tumor immunology. Isolation and purification of tumor associated antigens, raising of antisera. Experience with CEA and radioimmunoassay. Box 400, SCIENCE. 8/17,

Molecular Biologist, Ph.D. 1967, desires position in microbiology, biological chemistry, immunology, cell research. Teaching and/or research. Specializations: radiogenetics, radiochemistry, nucleic acids; strong biochemical interests, own research projects, postdoctoral training, publications. Box 401, SCIENCE.

Stratigraphic Geologist, 35, family, extensive regional geologic fieldwork in western United States, teaching experience, publications, Ph.D., paleontology; M.S., geology; USGS posdoctoral associateship, Smithsonian predoctoral fellowship. Specialties: Paleozoic lithostratigraphy, coral taxonomy, paleoecology, and biochronology. Strong background in both geology and organismal biology. Desires teaching or research position in university or industry. Box 403, SCIENCE.

Zoologist, Ph.D. Seeks teaching/research position at rural institution. Primary research interests include developmental biology, with emphasis on growth and differentiation in cell culture and embryonic systems. Box 402, SCIENCE. X

POSITIONS OPEN

ANALYTICAL CHEMIST

Assistant professor with postdoctoral experience in modern instrumentation and computer interfacing. For undergraduate and doctoral level instruction and research, Write to

Dr. R. R. Myers,

Chairman Department of Chemistry

Kent State University

Kent, Ohio 44242

ANIMAL BEHAVIOR

Scripps Institution of Oceanography seeks candidates for a faculty position at the assistant or associate professor level which will involve teaching and research in animal behavior, with special emphasis on the ethology of fishes. The publications of the candidate must demonstrate outstanding competence in the methods of studying instinctive behavior, with primary strength in judicious experimentation and careful quantification. An ability to conduct and supervise research in the marine environment is also essential. Send résumé with three pertinent publications and three references to: Professor James T. Enright, Scripps Institution of Oceanography, Box 1529, La Jolla, California 2037. The University of California is an equal opportunity employer with an affirmative action program.

TWO ASSISTANT PROFESSOR POSITIONS

Available in Primary Care/Community Medicine-Internal Medicine, University of Michigan Medical School. Candidate must be Board certified or eligible Internist with interest in Primary Care practice, education of House Officers and students, investigations of problems of health care delivery, and development of prepaid comprehensive health care plan. Send résumé to Box 404, SCIENCE. A Nondiscriminatory Affirmative Action Employer.

ASSISTANT PROFESSOR

ASSISTANT PROFESSOR

Position available in Primary Care/Community
Medicine-Ophthalmology, University of Michigan
Medical School. Candidate must be Board certified Ophthalmologist with the ability to develop
a program to meet the ophthalmologic needs of
20,000 individuals enrolled in a prepaid group
practice, coordinate the ambulatory and institutional care for these enrolled patients, and develop a screening program. He is also to initiate
and carry out research in ophthalmology and
teach ophthalmological skills. Send résumé to
Box 405, SCIENCE, A Nondiscriminatory Affirmative Action Employer.

ASSISTANT PROFESSOR

ASSISTANT PROFESSOR
Position available in Primary Care/Community
Medicine-Pediatrics, University of Michigan Medical School. Candidate must be Board certified
or eligible Pediatrician, with interest in Primary
Care practice, education of House Officers and
students, investigations of problems of health
care delivery, and development of prepaid comprehensive health care plan. Send résumé to
Box 406, SCIENCE. A Nondiscriminatory
Affirmative Action Employer.

POSTDOCTORAL POSITION

Research into alteration of enzyme structure in aging organisms. Background in enzymology or protein structure preferred but not essential. Apply to

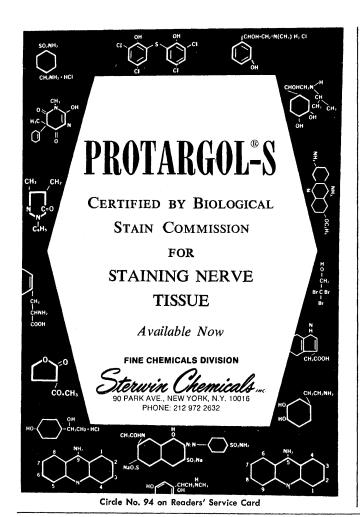
Dr. M. Rothstein Biology Department State University of New York at Buffalo Buffalo, New York 14214

FACULTY POSITION IN BIOCHEMISTRY.

Research-teaching position available immediately at Assistant Professor level or possibly higher. Biochemical areas: animal viruses, enzymes, membranes, or neurobiology. Candidate must be active researcher with postdoctoral experience. Women and minority candidates encouraged, especially those interested in helping recruit minority graduate students. Dr. M. V. Simpson, Department of Biochemistry, State University of New York, Stony Brook, N.Y. 11790. An equal opportunity employer.

CHAIRMAN DEPARTMENT OF MICROBIOLOGY NEW YORK MEDICAL COLLEGE

The six basic science departments are now located in excellent new facilities on the developing Westchester campus. Qualified persons are invited to apply for the position of Professor and Chairman of Microbiology. Please send curriculum vitae and bibliography to: Office of the Executive Dean, New York Medical College, Valhalla, New York 10595.



Toxicologist

The Drug Safety Evaluation Department, at our Groton, Connecticut Research Laboratories, has an immediate opening for a Toxicologist. This position offers the opportunity to engage in toxicological research associated with the development of Pharmaceutical and Agricultural drugs. The successful candidate will have the responsibility for organizing, executing, evaluating and reporting studies utilizing a variety of animal species. A D.V.M. or a Ph.D. in Pharmacology/Toxicology is required.

Send your résume, in confidence, to Mr. R. H. Sayre, Personnel Manager, Pfizer Central Research Division, Eastern Point Road, Groton, Conn. 06340.



An Equal Opportunity Employer, male/female

POSITIONS OPEN

CHAIRMAN FOR THE DEPARTMENT OF ANESTHESIOLOGY

Position available at the University of Michigan Medical School on 1 July 1974. We wish to recruit a Chairman for the Department of Anesthesiology who in his leadership will have established himself nationally as a leader in academic anesthesiology; will have demonstrated his abilities in patient care, teaching and research; will have had adequate administrative experience; and who will have institutional compatibility within the framework of the University of Michigan Medical Center. Send résumé to Dr. G. W. Morley, Chairman, Anesthesiology Search Committee, L2020 Women's Hospital, University of Michigan Medical Center, Ann Arbor, Michigan 48104, A Nondiscriminatory Affirmative Action Employer.

DEAN, SCHOOL OF MEDICINE

DEAN, SCHOOL OF MEDICINE

The University of Arkansas announces a vacancy in the position of Dean of the School of Medicine and invites interested, qualified persons to submit résumés. The U of A Medical Center is an equal opportunity employer. Inquiries should be addressed to the Vice President for Health Sciences, University of Arkansas Medical Center, Markham at Hooper Drive, Little Rock, Arkansas 72201.

HEAD, DEPARTMENT OF MICROBIOLOGY

The College of Science of the Pennsylvania State University is seeking a Head for the Department of Microbiology. Those interested in applying for this position should send a résumé to:

Search Committee for Head of Microbiology S101 Frear Laboratory Pennsylvania State University University Park, Pennsylvania 16802

Equal Opportunity/Affirmative Action Employer

Head, Department of Psychology, Colorado State University. Full professor with established reputation for scholarly productivity, teaching, and research supervision. Administrative experience desirable, Interested candidates should request full position description from Dr. Richard T. Ward, Committee Chairman, Department of Botany and Plant Pathology, Colorado State University, Fort Collins, Colorado 80521.

CSU is an equal opportunity employer.

POSITIONS OPEN

COORDINATOR HUMAN BIOLOGY PROGRAM

HUMAN BIOLOGY PROGRAM

Immediate opening for coordinator of a new Biology of Man program. This program is intended for undergraduate students who have an interest in Human Biology per se or who plan to continue on into the health sciences professions. Candidate must have a doctoral degree, major interest in a basic biological science, established reputation as teacher, scientist and/or scholar and potential for continued growth in his field, major commitment to educational innovation and development, and demonstrated ability to mobilize faculty of diverse interests, ideas, and personalities.

Responsibilities will include designing and es-

mobilize faculty of diverse microscy, acceptablishing courses in advanced biology, creating student recruitment and advising procedures, and devising methods for evaluating the goals of the program. Send curriculum vitae and bibliography to: Dr. Leo Sreebny, Director, Center for Research in Oral Biology, SC-90.

UNIVERSITY OF WASHINGTON Seattle, Washington 98195

An Affirmative Machington Opportunity Employer

DEANSHIP, Abraham Lincoln School of Medicine, University of Illinois College of Medicine, is available. Candidates 35 to 55 years of age, must have M.D. degree; additional clinical and/or research training; significant administrative experience in hospital and academic activities; experience in research, teaching and patient care. Submit curriculum vitae and names of three references to Dr. Ira Rosenthal, University of Illinois College of Medicine, 1853 West Polk, Chicago, Illinois 60612.

An equal opportunity, affirmative action employer

An equal opportunity, affirmative action employed

IMMUNOLOGIST

Doctoral degree or equivalent, to participate in research program at large midwestern regional blood center with Medical School affiliation. Experience in transplantation and/or cellular immunology desirable but not essential. Teaching opportunities available. Salary negotiable depending upon training and experience. Send curriculum vitae and statement of research interests to:

Box 410, SCIENCE

POSITIONS OPEN

ENVIRONMENTAL SCIENTIST

ENVIRONMENTAL SCIENTIST

El Paso Natural Gas Company, one of the country's largest and most progressive transmission companies, is seeking a highly qualified scientist to evaluate environmental impact of Company operations and new projects. Must formulate procedures for ecological protection. Function as company expert.

Must have M.S. or Ph.D. degree in a plant or biological science, and 3 to 5 years of experience. Some travel and fieldwork.

Excellent salary; benefits comparable with the best; geographical climate healthiest in the country, and the total cost of living is among the lowest in the nation. Send résumé to:

N. D. Lassiter, Employment Coordinator

El Paso Natural Gas Company

P.O. Box 1492, El Paso, Texas 79978

An Equal Opportunity Employer M/F

HISTOLOGIST (DENTAL)

Position at major New York City dental center, an equal opportunity employer. Ph.D. with special training or experience in oral histology and embryology required. Send curriculum vitae with references to

Box 407, SCIENCE

IMMUNOLOGIST

Ph.D. to supervise activities in an immunology laboratory in a medical school-affiliated hospital. Laboratory supports a clinical transplantation program and other clinical and research activities. Academic appointment available. Research encouraged.

Box 408, SCIENCE **IMMUNOLOGIST**

For a 2- to 3-year position with potentially permanent appointment. To start a laboratory of cellular immunity in central nervous system, in a neurological research unit in the Southwest. Salary negotiable. Prefer Ph.D. with some postdoctoral experience. Send curriculum vitae and references

Box 409, SCIENCE

POSITIONS OPEN

Faculty Appointment—Instructor or Assistant Professor. This appointment can be made effective immediately in the Department of Biochemistry and carries with it both teaching and research responsibilities. Although no research area is specified, those having an interest in neurochemistry, neurobiology, or related areas will be given preference. Applicants should submit their curriculuritiae and the names of three references to: Dr. A. Stracher, Chairman, State University of New York Downstate Medical Center, College of Medicine, 450 Clarkson Avenue, Brooklyn, New York 11203.

An Equal Opportunity Employer.

An Equal Opportunity Employer

POSITIONS OPEN

MYCOLOGIST

Ph.D. Assistant Professor combined with herbarium curatorship in the Farlow Herbarium, Harvard University. Position involves teaching and supervisory work in herbarium (half time) and research (half time). Good opportunity for academic advancement. Send résumé to: Prof. Reed C. Rollins, Gray Herbarium, 22 Divinity Ave., Cambridge, Mass. 02138

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

Immediate position for recent Ph.D. to study the genetics and biochemistry of mitochondrial membrane assembly in *Neurospora*. Send résumé

Dr. David Edwards Department of Biology State University of New York Albany, New York 12222

An Equal Opportunity Employer

BIOCHEMIST-RESEARCH ASSOCIATE (1) to work on amino acid metabolism in peanuts. Should be familiar with amino acid analyzer, fractionation of plant proteins. Also interested in Rhizobium. Ph.D. and agricultural background desirable. Able to teach bacteriology. Salary \$13,000 per year. GRADUATE RESEARCH ASSISTANT (1) to assist in same area. Must show initiative. Stipend to \$5,000. BIOCHEMIST-RESEARCH ASSOCIATE (1) to

Please apply by 15 August to Dr. Julius L. Heinis, Box 270, Florida A&M University, Tallahassee, Florida 32307.

Equal Opportunity Employer

STAFF ASSOCIATE DUTY STATION—TOKYO, JAPAN TWO-YEAR TOUR OF DUTY

Assist in developing and monitoring the United States-Japan and the United States-Republic of China Cooperative Science Programs. Assist in developing and monitoring joint United States-Japan research seminars. Candidates sould have a Ph.D. degree in the life sciences and have experience with the university and government community involved in international scientific activities. The candidate's background should include some program management and administrative experience. Foreign travel and overeas experience is desirable, but not a prerequisite. The candidate should possess judgment and insight into the development and formulation of U.S. policies with respect to international scientific cooperation, particularly with reference to U.S. policies in East Asia. A knowledge of the Japanese language is helpful but not essential. The position requires traveling within Japan and to other Far East countries. Salary range from \$19,700 to \$30,018. If you are interested in the above position, send a current Standard Form 171 (Personal Qualification Statement) to: Personnel Office, NATIONAL SCIENCE FOUNDATION, 1800 G Street, NW, Room 212, Washington, D.C. 20550.

An Equal Opportunity Employer

Applicants are sought for a faculty position in the Department of Zoology and Entomology, Colorado State University, Fort Collins, Colorado 80521. The faculty member should be able to teach limnology, production limnology, and aquatic biology, and to conduct research in concomitant areas, beginning 10 September 1973. Ph.D. required; rank and salary are negotiable. Applications, résumés, and letters of reference should be sent to Dr. Tyler A. Wooley, Acting Chairman, above address.

Colorado State University is an Equal Opportunity Employer.

Colorado State tunity Employer.

FELLOWSHIPS FELLOWSHIPS

Postdoctoral Fellowship for research on cell surface antigens. Ph.D. in Biochemistry preferably with protein chemistry experience. Annual salary 88,000 to \$9,000 depending on experience. Send curriculum vitae to Dr. Brian J. Johnson, Department of Microbiology, University of Alabama Medical School, Birmingham, Alabama 35294.

POSTDOCTORAL FELLOWSHIPS TRAINING PROGRAM FOR FUTURE BLOOD BANK DIRECTORS

The New York Blood Center offers a training program for qualified physicians interested in becoming blood bank directors. M.D. degree and I year of internship are required.

Program is of 2 to 3 years in duration and offers clinical, laboratory, and administrative training as well as opportunities in research. Three large metropolitan hospitals are participating with the Blood Center to provide a complete experience in regional and hospital blood banking.

Apply: William J. Kuhns, M.D., 310 East 67 Street, New York, N.Y. 10021.

CARDIOVASCULAR | **PHARMACOLOGIST**

The Cardiovascular Disease Research Unit of our Pharmaceutical Re-The Cardiovascular Disease Research Unit of our Pharmaceutical Research Division has an opening for a scientist to conduct preclinical research with the objective of discovering means for effectively treating hypertension in man. Responsibilities will include: the evaluation and development of leads from primary tests and other sources; investigation of etiologic factors in the disease state and their antagonism; contributing conceptually to other projects in the Cardiovascular Research program as indicated; and maintenance of satisfactory communications both inside and outside the company.

Candidates must have a Ph.D. in Cardiovascular Pharmacology or Physiology, preferably with 1 to 2 years of postdoctoral experience in hypertension or related research.

Location: Kalamazoo, Mich., a medium sized community near lakes and recreational areas. Excellent living and working conditions.

Send complete résumé including salary requirements to: M. F. Murray, Technical Employment Representative

THE UPJOHN COMPANY

7171 Portage Road

Kalamazoo, Michigan 49001

An Equal Opportunity Employer

RESEARCH SCIENTIST SECTION HEAD

(IMMUNOLOGIST)

The Ames Company Division of Miles Laboratories, Inc., a leading manufacturer of clinical laboratory reagents, offers an excellent opportunity for an Immunologist in its Product Development Laboratory.

The candidate must have a Ph.D. in Microbiology or related field, plus 5 years' experience in Clinical Immunology. The responsibilities will include planning & administering a program for the development of clinical immunological products.

Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent educational and recreational opportunities, as well as convenient accessibility to the Chicago area. Excellent starting salary commensurate with experience, plus a superior benefits program. Relocation expenses paid by the company. Please send complete résumé, including expected salary, in confidence to:

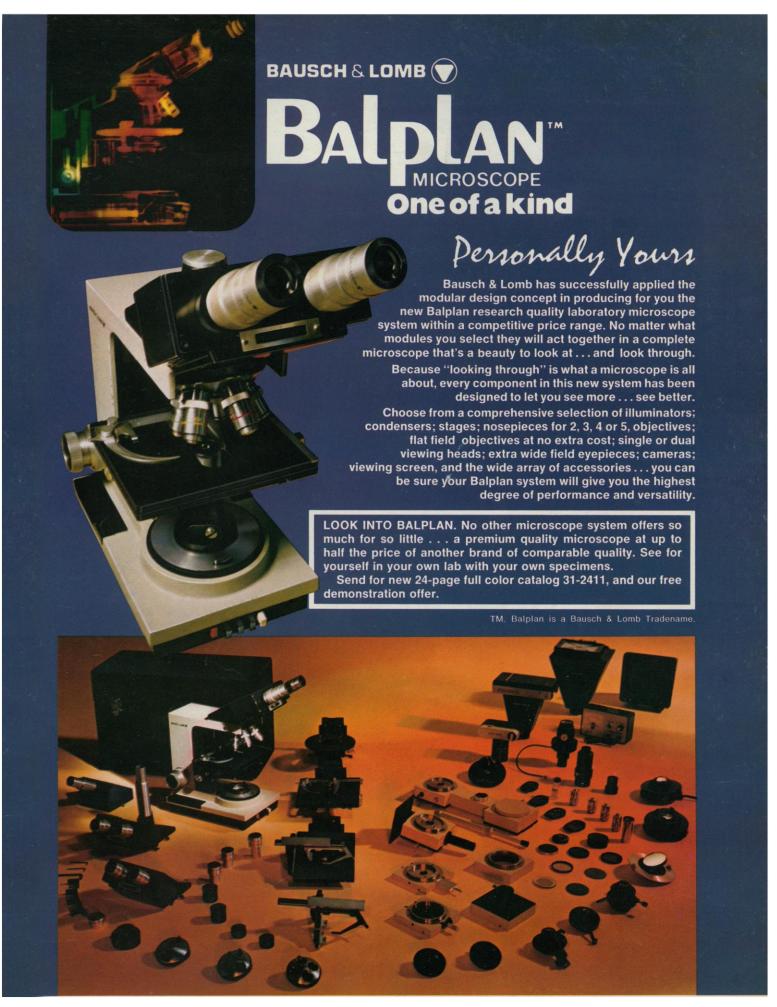
Curtis A. Brown, Senior Placement Representative, Dept. 654-A

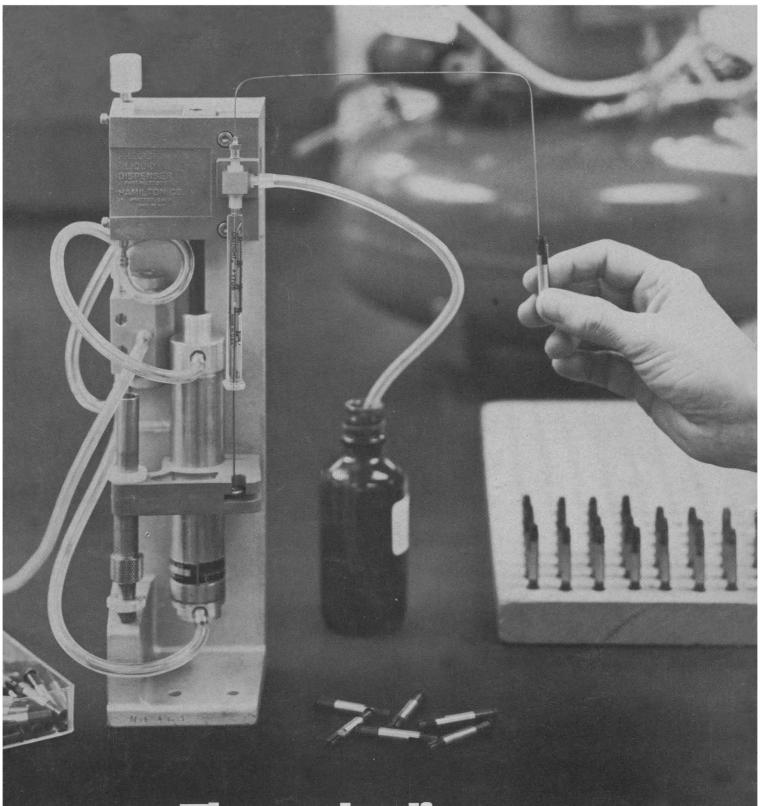


AMES COMPANY DIVISION

Elkhart, Indiana 46514

An Equal Opportunity Employer





The ugly dispenser that does a beautiful job

We've been so concerned about chemically inert, accurate, producing a liquid dispenser that would be free of problems and would precisely dispense samples over a range of 1 μl to 10 ml, that we neglected to put it in a pretty package. But, our Precision Liquid Dispenser is

precise, and the delivery volume can be adjusted from 2% to 100% of the syringe scale, and it will work in automated, semiautomatic or manual applications. If your production line needs a liquid dispenser, pick the one

Circle No. 12 on Readers' Service Card

where the real beauty is in the performance. For information on our PLD, write to Hamilton Company, Post Office Box 17500, Reno, Nevada 89510.