

Personnel Placement

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: \$21 per quarter inch (minimum \$84) for publishers 6 point type (12 lines per inch). All ads using larger than 6 point type will be billed as display ads at \$25 per quarter inch (minimum \$100). 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 at 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

Any Country—Any Group. Experienced independent chemist offers goal achieving services. Beverages, foods, nitrogen compounds, propellants, instrumentation, and so forth. Lab, field, plant or academy. Five months for \$10,000 U.S. or relative equivalent in living conditions. Box 352, SCIENCE. X

Are There Colleges in This Country Who Are Interested in Hiring a Highly Qualified Teacher? Ph.D., Chemistry, 1962. Ten years of teaching experience in undergraduate, graduate, and professional schools. Inorganic radiochemistry and biochemistry. Also have industrial experience. Interested in teaching at an institution that stresses teaching and close student-faculty interaction. Four-year or two-year college. Available immediately. Box 366, SCIENCE. X

Biochemist: M. S., Biochemistry. 10 years' research experience. Seeks research/development position where extensive experience will be utilized and is required. Background: protein and carbohydrate structure; enzymology; carbohydrate metabolism; steroids; analytical methodology (wet and instrumental). Publications. East Coast preferred. Available Fall 1970. Box 353, SCIENCE. 10/9

Biochemist with teaching and a year's post-doctoral experience seeks a position as research associate in agriculture/nutrition as enzymologist/protein chemist or teaching with research facilities. Familiar with U.V. spectroscopy, electron microscopy, column chromatography, enzyme auto-analyzer, radioactive assays of enzymes and disc electrophoresis. Box 354, SCIENCE. X

Biologist, Ph.D., 1960, interests in carbohydrate metabolism, anaerobiosis, invertebrates, ecology. Experience in teaching human and comparative physiology, general biology. Publications. Desires teaching/research or other interesting, challenging, or socially useful position. Box 355, SCIENCE. X

Biologist, recent B.A. Two years' research experience. Instrumentation. Prefer coastal area. Résumé on request. Box 356, SCIENCE. X

Botanist-Microbiologist, Ph.D. 10 years' research, 5 years' university teaching, publications. Morphology/ecology. Desires teaching/research position. Box 358, SCIENCE. X

Cancer Virologist, electron microscopy experience, publications, desires senior research position in medical institutions or industry. Box 359, SCIENCE. 10/9

POSITIONS WANTED

Electronics Engineer seeks project development position with small medical electronics company. Capable of complete project design responsibility; computer-application oriented. Box 360, SCIENCE. X

Embryologist, Ph.D., general interests in development and heredity, cell and tissue structure and function; special interests in cardiogenesis. Twelve years' teaching and research at undergraduate and graduate level. Desires position that is complementary to background and interests. Box 361, SCIENCE. 10/9

Geneticist, Ph.D., 34, 8 years of university experience. Disgusted with "publish or perish" inequities, desires position in institution where innovative teaching and academic standards are paramount. Also general, cellular, evolutionary, and invertebrate biology. Box 339, SCIENCE. X

German into English: scientific-technical-medical. Fast, exact. Write for rates. ATA member. Lee Stavenhagen, Ph.D., Box 1141, Galveston, Texas 77550. X

Nutritional Biochemist (Ph.D., 1970) seeks teaching, research, or postdoctoral work. Also tissue culture and pesticide research experience. Available now. Box 362, SCIENCE. X

Organic and Polymer Chemist, Ph.D., with 10 years' background in polypeptides and biomedical materials, seeks industrial or academic research cum teaching position immediately. Box 367, SCIENCE. X

Radiation Biologist, M.S., experienced in clinical and research laboratory work and teaching. Instrumentation oriented. Has been involved with biomedical use of neutrons and radioisotope imaging systems. Will relocate anywhere. R. Pollack, 4 Glendale Dr., Huntington Station, N.Y. 11746. X

Scientist Administrator. Physical chemist. Eight years of supervisory experience with NASA Hq. flight programs and supporting research. Publications, patents. Box 368, SCIENCE. X

Vertebrate Zoology, Ph.D. physiology, ecology. Experienced. Several publications. Desires teaching or teaching/research position. Box 363, SCIENCE. X

Water Quality Research Scientist, Ph.D. Systems approach to remote water analysis and pollution control. Especially interested in bacterial processes and their control. Academic position preferred. Box 364, SCIENCE. X

POSITIONS OPEN

BIOCHEMIST

Recent B.S. in chemistry or pharmacy required for opportunity in Pharmacology. Will involve biochemical aspects of drug activity and toxicity with active participation in research and development of new drug products.

For consideration, call 609-655-1100 or send resume and salary requirements in confidence to Dr. Ronald J. Wulf

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PATHOLOGIST

DVM degree plus Ph.D. in Pathology and/or board certification in veterinary pathology. 2-5 years' industrial experience in veterinary pathology is desirable. Incumbent will conduct all pathology activities in support of the Medical Department drug research programs and conduct exploratory research to develop new or revised techniques in methodology.

Send Curriculum Vitae
Including Salary History
In Confidence To:
Neil M. Degon



Chemical Industries, Inc.

Wilmington, Delaware 19899

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EDITORIAL

Interdisciplinary scientific journal. Edit reviews and research reports. Negotiate editorial changes (scientific and grammatical) with authors. Mark manuscripts for the printer. Graduate work in physiology (general, cellular, neuro-) preferred. Two to five years of editing experience. Reply by letter. State qualifications and salary.

Box 371, SCIENCE

Professor and Chairman, Department of Biology Applications are invited from experienced scholars with some administrative experience to chair a department of 13 to 14 in a well-known East Coast university. The department occupies half of a virtually new building, is well equipped, and has extensive graduate (Ph.D.) and undergraduate programs. Applications, including curriculum vitae and references, are due no later than 1/D/70. The appointment can be made effective 1/Jan/71, and in any event must be no later than 1/J1/71.

Box 365, SCIENCE

Group Leader Microbiology—Excellent opportunity to manage development and technical service activities of microbiological laboratory involved in prevention of deterioration. Staff of five. Minimum of 5 years of technical experience required. Technical service background preferred. Good starting salary and company paid benefits. Please submit résumé in full confidence to: Personnel Manager, Tenneco Chemical, Inc., Intermediate Division, P. O. Box 2, Piscataway, N. J. 08854

An Equal Opportunity Employer

TOXICOLOGIST

Toxicologist or industrial hygienist with experience in toxicology. Administrative Corporate level position, Midwest-based petroleum and petrochemical company with world-wide operations. Organic chemistry highly desirable. Excellent fringe benefits. Send résumé and salary requirements.

Box 370, SCIENCE

STATE UNIVERSITY OF GRONINGEN

The Faculty of Science of the University of Groningen invites applications for the position of

LECTOR IN BIOCHEMISTRY (equivalent to Reader or Associate Professor)

The University, entirely government supported, enrolls about 10,000 students and is situated in the provincial capital, population 160,000, in the rural relatively thinly populated northern part of Holland.

The Chemistry Department, which moves into new, well-equipped buildings in the autumn of 1970, numbers 40 staff members of which 5 are working in the field of biochemistry and several others in related fields.

The new Lector will have to take part in the teaching of biochemistry to science students. His research area should lie in the field of structure and/or biosynthesis of proteins and nucleic acids.

Salary from Dfl. 35,000,— to Dfl. 50,000,— p.a. (£4,000,— / —£5,750,— / \$9,655,— \$13,790,—).

Applications, curriculum vitae and references should be sent to: Bureau van de Faculteit der Wiskunde en Natuurwetenschappen, Oude Kijk in 't Jatstraat 28, Groningen, The Netherlands.

Request for information can be sent to Prof. Dr. M. Gruber, Biochemisch Laboratorium, Zernikelaan, Groningen, The Netherlands.

All correspondence will be treated confidentially.

CHEMIST or BIOCHEMIST

M.S. with research experience or B.S. with relevant training and background for intriguing medical research concerned with thyroid physiology in health and disease, the thyroid hormones and their transport in serum, and metabolic transformations, such as conversion of T4 to T3. Starting salary depending on experience. Ivy League medical school in New York area. Send résumé and salary requirements to **Dr. Kenneth Sterling**, 130 West Kingsbridge Road, Bronx, N.Y. 10468.

INSECT SYSTEMATIST

Faculty position in teaching and research. Title, salary, and tenure will be commensurate with experience and qualifications. Further information will be supplied on request. Inquire to: **Dr. W. W. Middlekauff**, Division of Entomology, 201 Wellman Hall, University of California, Berkeley 94720.

Young **Ph.D. Physiologist/Biochemist** to work with investigator on research projects relating to blood flow and oxygen delivery; 564-bed teaching hospital in Portland, Maine. Excellent research facilities and atmosphere. Sailing, Skiing, etc. Contact **Peter W. Rand, M.D., Research Department, Maine Medical Center, Portland, Maine 04102. (207) 871-2161.**

PLANT PHYSIOLOGIST, Ph.D. for spring semester, 1971. Must also be able to teach Plant Anatomy and Plant Morphology. Address inquiries to:

Dr. L. W. Storm, Chairman
Department of Biological Sciences
University of Nevada, Las Vegas
Las Vegas, Nevada 89109.
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POSTDOCTORAL FELLOW

Applications are invited for the first C. H. Best Foundation Postdoctoral Fellowship in the Banting and Best Department of Medical Research. Superior research-motivated candidates interested in receiving a 2-year period of training in research areas being investigated by department staff are invited to submit applications *before 1 February 1971*. A list of staff members and their research interests will be sent on request. Applications should contain the following information: curriculum vitae, specific research interests, and the names of three references. The position is tenable on approximately 1 July 1971, and carries a basic stipend of \$8000 plus travel for the first year. Applications should be sent to:

Dr. I. B. Fritz, Chairman
Banting and Best Department of Medical Research
University of Toronto
112 College Street
Toronto 101, Ontario, Canada

POSTDOCTORAL TRAINEESHIPS IN CLINICAL CHEMISTRY

are available 1 July 1971, to recent Ph.D. biochemists and chemists in a program designed to train clinical chemists for positions in research-oriented hospitals. The appointments are for 2 years, with a stipend of \$6000 to \$7000 per annum (depending upon postdoctoral experience), plus a dependency allowance. *Apply before 31 December 1970*, to **A. Kaplan, Ph.D., Biochemistry Department, University of Washington, Seattle, Wash. 98105.**



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STATEMENT REQUIRED BY THE ACT OF OCTOBER 23, 1962: SECTION 4369, TITLE 39, UNITED STATES CODE SHOWING THE OWNERSHIP, MANAGEMENT AND CIR- CULATION OF

SCIENCE published weekly on Friday and on the fourth Wednesday in September at 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Date of filing: 1 October 1970. This is also the address of the publisher, editor, and managing editor, who are, respectively, William Bevan, Jr., Philip H. Abelson, and Robert V. Ormes.

The owner is American Association for the Advancement of Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Stockholders: None.

Known bondholders, mortgagees, and other security holders owning or holding one percent or more of total amount of bonds, mortgages or other securities: None.

The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes have not changed during preceding 12 months.

The average number of copies each issue during preceding 12 months are (A) Total No. copies printed: 158,974; (B1) Paid circulation through dealers and carriers, street vendors, and counter sales: 74; (B2) Mail subscriptions: 153,466; (C) Total paid circulation: 153,540; (D) Free distribution (including samples) by mail, carrier or other means: 4,691; (E) Total distribution: 158,000 (F) Office use, left over, unaccounted, spoiled after printing: 743; (G) Total: 158,974.

Single issue nearest to filing date: (A) Total No. copies printed: 161,800; (B1) Paid circulation through dealers and carriers, street vendors, and counter sales: 41; (B2) Mail subscriptions: 156,963; (C) Total paid circulation: 157,004; (D) Free distribution (including samples) by mail, carrier or other means: 3,812; (E) Total distribution: 160,816; (F) Office use, left over, unaccounted, spoiled after printing: 984; (G) Total: 161,800.

I certify that the statements made by me above are correct and complete.

(signed) **HANS NUSSBAUM**
Business Manager

SCIENCE, VOL. 170

For Peak Efficiency...

Take the accuracy of a versatile Infotronics Series 2400 gas chromatograph . . . add the precision of a linear electronic digital temperature programmer . . . include all the convenience of automatic cycling with an automatic sample injector . . . and you get . . . the new Model 2420 Auto-Cycle gas chromatograph, Infotronics' contribution to peak efficiency in your analytical procedures.

The 2420 Auto-Cycle system handles the full range of your analytical applications. You'll find all these features:

- Complete choice of detection systems—dual flame ionization, dual thermal conductivity, electron capture, etc.—up to three simultaneously.
- Dual column flow system with precision flow controls—for baseline drift compensation and application flexibility.
- A wide choice of packed or capillary columns—big ones, small ones, whichever is best for your application.
- Flexible *digitally-set* column temperature programmer. Even operators with limited experience can establish exact programs.
- Auto-Cycle temperature programming from -100°C to $+400^{\circ}\text{C}$ —a range broad enough for your most demanding analyses.
- Automatic sample introduction, for completely automatic operation over the full analytical cycle—even if you're sleeping.
- Automatic pre-fractionation—to eliminate that intolerable residual build-up, or the solvent peak that's complicating interpretation and integration.
- Highest signal-to-noise ratio detectors—a basic requirement for operation over a wide dynamic range.

Every gas chromatograph in Infotronics' Series 2400 is designed to serve with the extensive line of Infotronics integrators . . . such as the CRS-101. The CRS-101 has the features you need to realize all the potential efficiency of the latest Model 2420 Auto-Cycle gas chromatograph:

- A wide dynamic range (0-1 volt)—to cover the broadest range of signals for unattended automatic operation.
- Highest data resolution—eight data digits plus three time digits, with visual display.
- Selectable up and down rates of base-line drift correction, with correction display.
- Built-in mode for simulated distillation.
- Remote control of all modes—for operation from automatic gas chromatographic programming systems.
- Input signals direct to computer data reduction systems.
- Compatible interface with time sharing computer facilities.
- Low-level amplification for trace analysis.

The Model 2420 and the CRS-101 (shown together at right) are engineered for mutual compatibility. No complex interlinkage problems . . . no custom adapting. To peak out your analytical efficiency with either or both of these two instruments, contact your local Infotronics representative, or Infotronics Corporation, 7800 Westglen, Houston, Texas 77042. (713) 782-9770.



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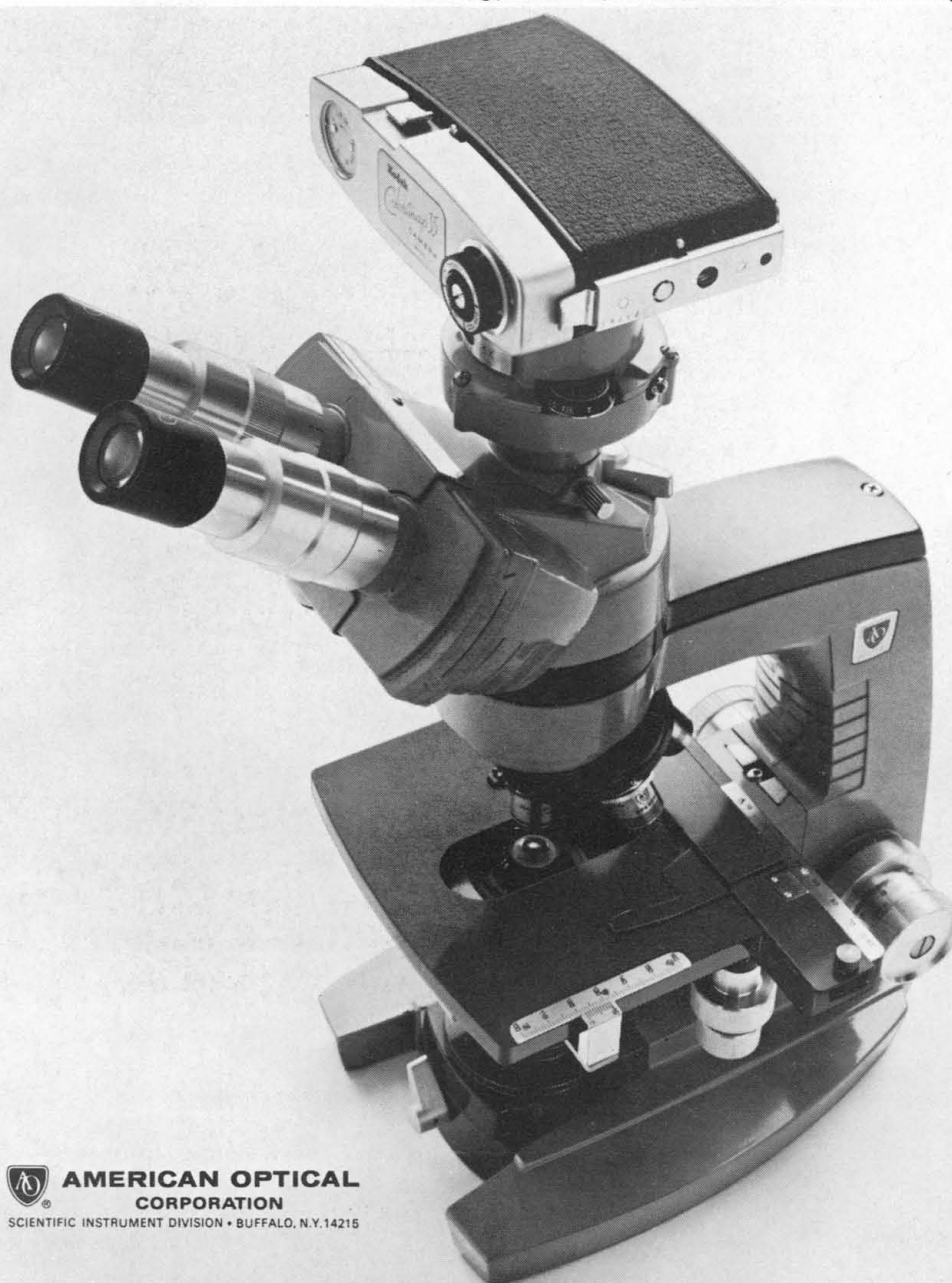
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