EMPLOYMENT

Advertising Section

CLASSIFICATIONS. Positions open—placement bureaus, industrial positions, and academic positions. Situations wanted—members, nonmembers, student affiliates, retired members.

Insurance. Published weekly, issued every Monday. Mail requested preceding date of issue.

Closing date: Friday AM—7 days preceding publication date. No extensions. Cancellations must be received 14 days in advance of publication date.

ACS MEMBER RATES. "Situations wanted" advertisements will be classified by type of chemistry (analytical, biochemistry, etc.). 'Placement will be determined by the date submitted.' Situations wanted advertisements, classified with ACS members and student affiliates are accepted at 70 cents per word per insertion, no minimum charge. State ACS membership status and mail advertisements to Chemical & Engineering News, Classified Advertising, 500 Post Road East, P.O. Box 231, Westport, Conn. 06881. Phone no. 203-226-7113 Fax no. 203-454-9330. Unemployed and retired members have free advertising privileges for ads 45 words or fewer. Free box number or member's name and address. Those who are unemployed or under notice of involuntary unemployment within next 60 days may place one free ad for a maximum of 26 insertions, if needed. The ad will appear every other week for six insertions. The remaining insertions will appear every third week. Members must state details of unemployment, including termination date and name of the employer. Retired members may place six free ads per calendar year. Mail copy for free ads to American Chemical Society, 1155—16th St. N.W., Washington, D.C. 20036. Copy not accepted by phone.

EMPLOYER AND NONMEMBER RATES. Display advertisements $333 per inch (space unlimited). Lower rates on contract basis Minimum display space 1 inch with units thereafter. Agency commission and cash discounts allowed on display ads only. Classified advertisements $3.80 a word, minimum charge $57.60. Include five words for box address. Ads from outside the U.S. should be accompanied by information stating New York bank that will issue draft in U.S. funds. The advertisement will be run on the nearest publication date following receipt of the bank draft.

The Professional Data Bank operated at the national office is designed to bring together potential employers and ACS members and student affiliates seeking employment or consultancy. It is operated by a computerized service provided by Career Placement Registry Inc. (CPR), through DIALOG. Only members and student affiliates may use these services, which are free except that the CPR service costs $12 for experienced members and $8 for students. Interested employers may place in the ACS data bank available on a nonconfidential basis to potential employers. Applications for employment should request the ACS Data Bank registration forms from the address below. A Confidential Employment List is available to employed members who wish their records be held from certain employers. Because of the extra handling, this service costs $25 a year. Write for information. Employers: Any employer may request a search of the file of candidates by mail or telephone (502) 672-6208. There is a minimum fee of $50 for any search service which includes the confidential listing. It is recommended that employers request the service at least 30 days in advance of the date the service is to be performed. The fee is $50, which includes duplicated records of candidates referred. Any subscriber to the DIALOG service may dial CPR’s direct access database and list requirements of the position to be filled. Names and qualifications of suitable candidates are instantly available by printout. Further contact with candidates in either service is at the option of the employer. For further information on any ACS employment service, contact the American Chemical Society, Employment Services, 1155—16th St. N.W., Washington, D.C. 20036. Candidates may call (1-800-227-5558) toll-free for employment assistance.

ACS Professional Data Bank

Positions Open

PLACEMENT BUREAUS

SCIENCE TEMPS

Box 1528, Cranford, N.J. 07016

Temporary Help & Consulting

Experts in instrumentation, methodology, process engineering. All disciplines. All levels.

"CHEMISTS HELPING CHEMISTS"

We welcome new applicants. No obligation (210)799-7920

CHEMICAL ENGINEERS & CHEMISTS with Chemical Plant or Refinery experience. Career opportunities nationwide. CHALLENGE PERSONNEL SERVICES, INC., 700 Gulf Freeway, #214, Houston, Texas 77027

ENGINEERS AND CHEMISTS—Over 600 Openings Nationwide. $20,000-$50,000. Fees Paid. MICE KNOWLEDGE INC., 1200 Farmingdale Drive, Knoxville, TN 37923 (615)880-8025

ANALYTICAL CHEMISTS. Polymer, Pharmaceutical, and Environmental. Instrumental Analysts to Division Managers. Explore nationwide career opportunities. Contact John W. Moorman, Dorsey Love & Associates, P.O. Box 4387, Springdale, MO 65808. 417-883-1512. 24 yrs. in executive search.

CHEMICAL INDUSTRY PROFESSIONALS. Nationwide services, all expenses paid. Roger Cranford/John Shaylor, IN- TACHEM Recruiters, Box 23385, Columbus, S.C. 29224

SEEKING TO ADVANCE YOUR CAREER? Send your resume to: Personnel Consultants, Inc., P.O. Box 137, Ft. Thomas, Ky. 41077. Situations wanted.

INDUSTRIAL POSITIONS

SALES/ MARKETING POSITIONS—in the analytical instrumentation industry throughout the country. Confidential searches for major companies on a continuous basis. Please call or send resume to Mark Bruhac, Sales Consultants, Inc., 175 S. 3rd. St., Ste. 310, Columbus, Ohio 43215 114/222-1113.

Enrico Fermi Scholar Program in Science and Engineering


Honoring Enrico Fermi who founded the laboratory which became Argonne, these positions are intended to recognize scientists and engineers who exhibit the potential to emerge as leaders in their field. Appointments will be awarded on a competitive basis to promising scientists who are about to earn a doctorate or who have earned one within the last three years. Candidates should submit a resume and a statement of research interests. Applicants will be evaluated by a group of staff members assembled for this purpose in the appropriate Argonne Divisions. The candidates' excellence and creativity in research will be the basis for final selections.

Annual stipends will range from $35K to $50K, depending upon discipline and experience. Appointments will be for two years.

For more information and application materials, write to: Ronald A. Johns, Appointments Officer, Ref. D-EFA-14, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439. Completed applications must be received by January 1, 1989. Argonne is an affirmative action/equal opportunity employer.

ARGONNE NATIONAL LABORATORY

University of Chicago/DOE

October 3, 1988 C&EN 87
SQUIBB
Where science comes to life.

Manager
Process Implementation

Squibb Corporation is a Fortune 200 Company and an internationally recognized leader in the research, marketing and manufacturing of innovative pharmaceuticals and related health care products. Currently, we have a position available at our New Brunswick, NJ facility for a Manager, Process Implementation to join our Chemical Development Department and report directly to the Vice President, Chemical Development.

The primary responsibilities of this position include:

• The development and implementation of policies and procedures for approving and monitoring the process modifications.
• The development and utilization of computer-based tracking methodology for all Squibb chemical manufacturing processes.
• Serving as liaison between Chemical Development and other Squibb Technical Operations groups throughout the world.

Requirements include a BS/MS in Chemistry or Engineering along with 10 - 12 years relevant experience which must include 5 - 7 years in a process development or manufacturing environment. A PhD in Chemistry or Engineering would be a significant asset.

We offer a very competitive compensation package and participation in our comprehensive benefits package. For consideration, please forward resume, with salary requirements, in confidence to:

Squibb Technical Operations, Dept. AK/E15488, P.O. Box 191, New Brunswick, NJ 08903. An equal opportunity employer.

Senior Scientist

As a qualified research professional, we invite you to consider this opportunity to work in one of the world's most sophisticated organic research and development laboratories at Alcon's Headquarters in Fort Worth, Texas. Due to our continued growth and expansion, we currently have an opening for a Senior Scientist within our Research and Development Analytical Chemistry Department.

Your primary responsibilities will include the development of analytical methods for analyzing raw materials and finished products, conducting physical/chemical characterizations of new drug substances and establishing/developing analytical methods for new formulations. Requirements include:

• PhD in Analytical Chemistry or Biochemistry
• One to two years of industrial or post-doctoral experience in the characterization and analysis of biomolecular entities such as proteins, peptides or polysaccharides
• Knowledge of modern laboratory instrumentation (e.g., HPLC, electrophoresis, etc.)
• Experience with regulatory submissions of biomolecules is highly desirable

Alcon is a $500 million multinational pharmaceutical manufacturer offering a competitive starting salary plus comprehensive benefits including medical/dental/vision insurance and an outstanding profit sharing trust plan. For immediate and confidential consideration, please send detailed resume including salary history to:

Sherry Rightmer, Employment Supervisor, Placement and Development, T1-3, Alcon Laboratories, Inc., P.O. Box 6800, Fort Worth, Texas 76115.

An Equal Opportunity Employer, M/F/H/V.

CIBA-GEIGY
Science Serving Mankind

Formulation Chemists

The Agricultural Division of CIBA-GEIGY is a progressive leader in the development and manufacture of agricultural chemicals. We are currently seeking several Formulation Chemists at various levels to join an R&D team involved in designing systems for delivering biologically active materials to the required target. The successful applicants will develop novel formulation types, and optimize performance of new and existing products through formulation.

Senior level candidates will possess a Ph.D. in Physical or Organic Chemistry, and post doctoral experience is desirable. Entry level candidates will possess an MS or BS in Chemistry. Some background in surface, colloid, or polymer chemistry is desirable. Candidates with prior experience with agricultural formulations or related formulation disciplines will also be considered.

This is an opportunity to join an industry leader in a rapidly developing field. We offer competitive salaries and a comprehensive benefits package. For consideration, please forward resume, with salary requirements, in confidence to:

Site Personnel, CIBA-GEIGY Corporation, P.O. Box 18300, Greensboro, NC 27419. An Equal Opportunity Employer

M/F/H/V.

CIBA-GEIGY

PRODUCT DEVELOPMENT ENGINEER

Photographic Base Paper

Our specialty paper mill located in Upstate New York manufactures and converts photographic and other specialty papers. We seek a Product or Process Engineer with 2-3 years' experience in plastic extrusion and/or aqueous coating technology and at least a BS degree in chemical or other engineering discipline. Knowledge of or experience in imaging or photographic technology would be desirable. A working knowledge of German would be a plus.

Although small, we are a growth-oriented company that can offer challenging career opportunities. We are a wholly-owned subsidiary of Felix Schoeller, Jr. of West Germany, a private company which is the largest photographic basic paper manufacturer in the world. Our salary and benefits are competitive. A detailed resume including salary history in confidence to:

Human Resources Manager
SCHOELLER TECHNICAL PAPERS, INC.
P.O. Box 250
Pulaski, NY 13142

An Equal Opportunity Employer M/F/V.
Glaxo Inc. is not only one of the top 10 ethical pharmaceutical firms in America, we're also the fastest growing research-oriented company in the country. As such, we can offer exceptional career opportunities, state-of-the-art facilities, and a firm commitment to producing the most effective pharmaceuticals that experience, imagination, and advanced technology can create. Join Glaxo and apply your knowledge and career ambitions where they'll do you the most good.

We currently have the following positions available at our Corporate Headquarters located in Research Triangle Park, N.C.

**SECTION HEAD, PHARMACEUTICAL TECHNOLOGY**

(Development-Manufacturing)

This key position, within our New Product Development area, will be responsible for expediting new product launch and technology development and transfer to production operations. Individual will manage and direct a group of scientists and engineers in identifying new manufacturing processes and technologies, transfer and scale-up of new products, significantly reduce total production lead time and develop and maintain a superior position in pharmaceutical technology.

Background must include a Ph.D. in Pharmaceutical, Mechanical, Chemical or Industrial Engineering with a minimum of 8-10 years experience in the pharmaceutical, medical device, food or closely related industry to include at least 2 years supervisory/managerial experience. Qualified candidate must have strong technical skills and a working knowledge of equipment design, detailed principles of pharmaceutical technology, computer integrated manufacturing systems, material flow science, product scale-up and expert systems.

Candidates responding to this position should refer to Job #8660B9H on all resumes.

**SENIOR SCIENTISTS III**

Pharmaceutical Technology Development

These key scientist positions, within our New Product Development area, will be responsible for expediting new product launch and transfer of new technology into production operations. Major duties will include identifying new manufacturing processes and technologies, transferring and scale-up of new products, significantly reduce total production lead time and developing and maintaining a superior position in pharmaceutical technology.

Background must include a Ph.D. in Pharmaceutical Science, Mechanical, Chemical or Industrial Engineering with a minimum of 6-8 years experience in the pharmaceutical, medical device, food or closely related industry. Qualified candidate must have strong technical skills and a working knowledge of pharmaceutical formulations, equipment design, detailed principles of pharmaceutical technology, computer integrated manufacturing systems, material flow science, expert systems, product scale-up, and research based technology development.

Candidates responding to these positions should refer to Job #8660B913/914 on all resumes.

At Glaxo Inc., growth opportunities and up-to-date facilities are complemented by a location near Raleigh/Durham that has excellent resources in close proximity. Prestigious universities, scenic vistas, lively recreational areas, and exciting cultural opportunities are all a part of the daily life of the Glaxo professional. Further, we reward talent and creativity with an excellent salary and benefits package (including a completely equipped, on-site athletic facility). Candidates interested in these positions should send their resume, including salary history and CORRESPONDING JOB # AS MENTIONED ABOVE, to:

Human Resources Department

Glaxo Inc.

PO Box 13398

Research Triangle Park, N.C. 27709

(No Phone Calls, Please)

No Private Agency Referrals, Please

An Equal Opportunity Employer M/F/V

Paving the way to a healthier world.
The substantial tax savings and attractive benefits for a 24 month contract include:

- AS degree plus 5 years experience
- Cyclotron Engineer

All positions in Radionuclide and Cyclotron Operations have research as well as production responsibilities. This area is currently seeking the following candidates:

Radionuclide Consultant - Ph.D. at least 15 years experience  
Hot Cell Radiochemist - BS degree plus 5 years experience  
Quality Control Chemists - AS, BS, or MS degree plus 3 years experience  
Cyclotron Engineer - AS degree plus 5 years experience

The substantial tax savings and attractive benefits for a 24 month contract include:

- Relocation allowance and free furnished housing  
- 7 day post leave and 13 holidays during each year of contract  
- 30 day annual leave with a round trip ticket to point of origin  
- Educational leave for Ph.D.'s  
- Free medical and dental care and emergency leave  
- Educational assistance for eligible dependent children

For further information and/or to apply please send a detailed resume to: HCA International Company, Dept. CEN-1003, P.O. Box 550, Nashville, TN 37202-0550 or call toll free 1-800-251-2561. HCA is an equal opportunity employer.

Expanding R&D Challenges for Chemists/Chemical Engineers

Allied Signal, a worldwide advanced technology company, is seeking two professionals with a B.S. in Chemistry/Chemical Engineering. When you join our Buffalo Research Laboratory, you'll be helping develop the products and processes of new stratospherically safe solvents. Our future is exciting and holds promising opportunities for qualified professionals.

All positions require 0-3 years of hands-on experimental experience in new product development, a strong academic record, solid knowledge of chemical fundamentals and experience with industrial solvents. Background in the following areas is definite plus:

- Physical measurements  
- FORTRAN experience; knowledge of or experience in computer languages and computer simulations  
- Knowledge of defluxing/degreasing equipment

Excellent salary and benefits package provided. Qualified applicants are urged to send a resume, in confidence, to: Mr. R. L. Raines, Manager R&D Services, Dept. HMREB, Allied-Signal Inc., Engineered Materials Sector, Buffalo Research Laboratory, 20 Peabody Street, Buffalo, New York 14210. An equal opportunity employer.

NMR Post-Doctoral Position for Enzyme Research

Monsanto Agricultural Company is a recognized leader in the research and development of high technology herbicides. We offer a highly visible, two year post-doctoral position to impact a biorationally designed, herbicide discovery program. An independent, creative individual is to apply leading edge NMR methods for the structural and/or kinetic characterization of enzyme, substrate and enzyme/substrate systems. Experience with NMR is necessary while a background in enzyme systems and molecular modeling is desirable. The research will require close interactions with biochemists, synthesis chemists, and molecular modelers.

Monsanto has several high field spectrometers including two 500 MHz spectrometers, off-line processing and molecular mechanics facilities.

Excellent salary and benefits package including housing and comprehensive relocation package.

Submit your resume in confidence to: James H. Kline, ICI Composites Inc., Wilmington, DE 19897. An Equal Opportunity Employer, M/F.

ICI Composites, Inc.
**KELLOGG COMPANY CHEMIST**

Kellogg Company, a world leader in quality food manufacturing, has immediate openings for qualified Chemistry and Food Science professionals. These positions offer responsibilities relating to analytical work, problem solving, project work, and method development.

Ideal candidates will have a Master's Degree or Ph.D. Degree in Analytical Chemistry or Food Science. Experience with HPLC instrumentation, rheology, and/or enzymology will be very beneficial. Strong analytical abilities and communication skills are required.

The positions, located at Corporate Headquarters in Battle Creek, Michigan, offer growth based on performance, competitive salary, Company-paid benefits and relocation assistance. Send resume and salary requirements immediately to:

Professional Recruiter
KELLOGG COMPANY
One Kellogg Square
P.O. Box 3599
Battle Creek, MI 49016-3599

An Equal Opportunity Employer M/F/H/V

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**NUCLEIC ACID CHEMIST/PROCESS SCALE-UP**

Lifecodes Corporation, a leader in the use of DNA probes for human genetic diagnostics and therapeutics, is searching for a dynamic individual to build a strong innovative group concerned with the scale-up of oligonucleotide and modified oligonucleotide synthesis. Candidates would be expected to have a Ph.D. and extensive experience with either nucleic acid chemistry and/or process scale-up of organic synthesis.

Lifecodes, a wholly-owned subsidiary of Quantum Chemical Corporation, is located just 30 minutes north of Manhattan in a campus-like park. We offer an extremely attractive salary/benefits package, including a complete medical plan, 401-K savings and pension plans, and a stock bonus plan.

To apply, send your C.V. and names and telephone numbers of three references to:

NUCLEIC ACID CHEMISTRY DEPARTMENT
LIFECODES CORPORATION
Saw Mill River Road
Valhalla, NY 10595

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**ENVIRONMENTAL/ANALYTICAL CHEMISTS**

NSI Technology Services Corporation - Environmental Sciences, a nationwide contract research and development firm, is seeking experienced analytical chemists for expanding laboratory operations at several locations, including Athens, GA; Kansas City, KS; and Research Triangle Park, NC. Additional personnel are being sought for the following type positions.

**LABORATORY SUPERVISORS:** Ph.D. in analytical/environmental chemistry or related field with five to ten years’ direct laboratory experience, including recent responsibilities for personnel supervision and management of modern analytical laboratories. Experience in water and waste analysis, data review, QA management, and technical reporting is required. Experts in methods development and analysis of environmental media using GC, GC/MS, LC, AA, and ICP desired. Excellent leadership and communication skills are essential.

**SENIOR CHEMISTS:** M.S./Ph.D. in chemistry with three or more years’ hands-on laboratory experience in organic/inorganic analysis of environmental matrices. Desired specialties include GC, HPLC, GC/MS, AA, ICP, and IC. Both areas require demonstrated experience in sample extraction and preparation, instrumental analysis, QA/QC procedures, data validation, interpretation and review. Experience with soils/sediments/hazardous wastes, priority pollutants analysis; and EPA/CLP protocols is preferred.

**CHEMISTS:** B.S./M.S. in chemistry or equivalent with one to five years’ laboratory experience. Various skill levels are required for sample extraction, instrumental analysis, equipment maintenance and repair, and data management support. Specific experience with environmental media is desired.

Positions are full time, include complete competitive benefits package, and offer excellent advancement opportunities. Qualified candidates should submit a comprehensive resume, including salary requirements, references, and availability in confidence, to:

Human Resources
ATTN: ENVIRONMENTAL ASSESSMENT DEPARTMENT

NSI TECHNOLOGY SERVICES CORPORATION
ENVIRONMENTAL SCIENCES
A Subsidiary of ManTech International Corporation
P.O. Box 12313
Research Triangle Park, NC 27709

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**JOB HUNTING?**

Life is short but there is always time enough for courtesy. Emerson

Submit resume to:

ORLANDO LABORATORIES
P.O. Box 19127, Dept CE 9-88
Orlando, Florida 32814

(no phone calls, please) eoe

Rapidly expanding environmental laboratory is looking for highly motivated, hands on staff, preferably with CLP experience.
The Sterling Research Group, the worldwide pharmaceutical research and development organization of Sterling Drug Inc., announces several immediate openings for experienced research scientists at our new Great Valley research facility, near Philadelphia.

The antisense DNA Technology Program within the Medicinal Chemistry Department is conducting research directed to the intervention of disease states by selective inhibition of gene transcription and message translation by sequence-specific oligonucleotides.

Successful candidates will be involved in the design, synthesis, purification, characterization, and screening of oligonucleotides as part of a multidisciplinary, team-driven project. Important attributes for successful candidates include high self-motivation, enthusiasm, scholarly achievement, and a keen desire to solve medicinal problems.

RESEARCH SCIENTISTS—We are seeking candidates with a BS or MS in Chemistry or a related degree, or the equivalent, with a minimum of five years experience in organic synthesis. Experience in the pharmaceutical industry is preferred; experience in nucleoside chemistry is desirable.

SENIOR RESEARCH SCIENTISTS—We are seeking candidates with a PhD in Organic or Medicinal Chemistry, or the equivalent, with a minimum of two years postdoctoral experience; experience in the pharmaceutical industry is preferred. An up-to-date, solid background in nucleoside chemistry is required; candidates with research skills beyond this (e.g., nucleotide and oligonucleotide syntheses) are preferred. PhD candidates should have significant expertise in several other areas, this may include computer-assisted molecular modeling; NMR spectroscopy; automated, solid phase DNA synthesis; biochemistry of nucleic acids; radiolabeling experience; etc. Successful PhD candidates will have the opportunity to direct a number of research assistants.

We offer competitive salaries and a comprehensive benefits program, along with outstanding career opportunities and professional growth. For confidential consideration, please forward your resume with salary history/requirements to:

Employee Relations
Department PDNA
STERLING RESEARCH GROUP
A Division of Sterling Drug Inc.
9 Great Valley Parkway
Malvern, PA 19355
A Subsidiary of
EASTMAN KODAK COMPANY
An equal opportunity employer.

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Career Opportunities

Fritzsche Dodge & Olcott, a leading manufacturer of aroma chemicals, flavors and fragrances, is seeking the following talented scientists:

**Organic Chemist**
Organic Synthesis Laboratory

The Sr. Research Scientist we are seeking will be involved in the design and synthesis of new organoleptically interesting materials and the development of useful methods for the production of flavor and fragrance chemicals. Applicants must possess a PhD degree in Organic Chemistry with experience in organic synthesis. In addition, a strong background in the use of modern chromatographic and spectroscopic techniques and excellent communication skills are essential.

**Analytical Scientist**
Corporate Research Laboratory

This position requires a hands-on individual with the ability to analyze flavor/fragrance systems and develop new analytical protocols. A BS or MS in Chemistry with 1-3 years practical laboratory experience as well as a strong background in GC, MS and HPLC methodology are essential.

We offer a competitive salary, comprehensive benefits and outstanding opportunities for career advancement. For immediate and confidential consideration, forward your resume to Human Resources Department, Fritzsche Dodge & Olcott, A Unit of BASF K&F Corporation, 76 Ninth Avenue, New York, NY 10011. An Equal Opportunity Employer M/F/H/V.

BASF Group

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**BATTERY DESIGN ENGINEER**

Our Battery Design Engineering Department has an opening for a Principal Project Engineer. This individual's primary responsibilities will be to design and develop new lithium batteries for pacemakers and new implantable devices, and to develop processes for new electrochemical systems.

Qualified candidates must have a bachelor's degree in Material Science, Physical Science or Engineering with at least 7 years experience in developing and designing batteries. Specific knowledge in the development and design of lithium anode batteries is a plus.

Medtronic Inc. offers a highly competitive compensation and benefit package plus the opportunity for personal recognition in an environment where new ideas and initiative are encouraged.

Please send your resume in confidence to Vern Brewers, MEDTRONIC INC., 7000 Central Avenue N.E., Minneapolis, MN 55432.

Medtronic!!
An Equal Opportunity Employer M/F.

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Please send your resume in confidence to Vern Brewers, MEDTRONIC INC., 7000 Central Avenue N.E., Minneapolis, MN 55432.

Medtronic!!
An Equal Opportunity Employer M/F.
Our next breakthrough may be yours.

Some of the most enduring contributions in medical research are coming out of the pharmaceutical research laboratories of Parke-Davis in Ann Arbor, Michigan and Morris Plains, New Jersey.

Our $200-million annual commitment to large-scale drug discovery programs is setting the pace for progress across 11 major therapeutic areas, including cancer, bacterial infection and diseases of the central nervous, cardiovascular and respiratory systems.

With a supportive, state-of-the-art research environment that's conducive to individual achievement, you can add another name to our long list of pharmaceutical breakthroughs.

If you have an advanced scientific or medical degree in the life sciences, any branch of chemistry, pharmacy, or biostatistics, discover your potential with Parke-Davis. Send your resume or curriculum vitae, in confidence, to: Mr. Robert Gaskin, Parke-Davis, 2800 Plymouth Road, Ann Arbor, MI 48105. An equal opportunity employer.

PARKE-DAVIS
Pharmaceutical Research Division / Warner-Lambert Company

The World's Foremost Manufacturer of Research Biochemicals And Organic Compounds...

Sigma Chemical Company employs hundreds of staff personnel at our St. Louis laboratory and manufacturing headquarters. Our biochemicals and organic compounds are distributed to a quality conscious international market that relies on our integrity and professionalism. Openings are available in several production, analytical and technical service areas.

CHEMISTS/BIOCHEMISTS

Organic chemistry: Requirements include a degree in chemistry and 2 - 3 years experience in organic synthesis. Experience or advanced degree in one of the following areas would be helpful: Nucleotides and Nucleic Acids, Lipids, Biopolymers, Carbohydrates, Process Development and improvement of organic reactions.

Analytical chemistry: Requirements include a degree in chemistry or biochemistry and experience with traditional wet method chemistry and instrument analysis in one or many of the following areas: TLC, HPLC, GC, UV/VIS, FTNMR, AA, ICP, protein determination and enzyme assay.

Technical Service: Requirements include a MS/PhD in organic or biochemistry and must be people-oriented. Teaching experience helpful. This position offers the opportunity to utilize technical and problem-solving skills and provide product information to customers worldwide.

All candidates must possess strong written and verbal communication skills and be able to work independently. Selected applicants will be provided with compensation commensurate with experience and education, plus full company-paid benefits package. Send your confidential resume to: SIGMA CHEMICAL COMPANY, P.O. Box 14508, St. Louis, MO 63178.

SIGMA CHEMICAL COMPANY

An Equal Opportunity Employer
Enzytech of Cambridge is a biotechnology company engaged in developing food ingredients and protein delivery systems. The company’s core technology allows it to stabilize, modify, use and deliver both therapeutically and catalytically active proteins.

Enzytech is seeking motivated independent self-starters who, through their individual contributions, will help build Enzytech into a major company.

Bio-organic Chemist
Ph.D. with 3+ years of postgraduate experience in bio-organic chemistry. Knowledge and experience in applied enzymology is essential. Research experience in protein and carbohydrate chemistry is a plus.

Food Scientist
Ph.D. in food science with 3+ years of industrial experience. Knowledge of ingredient functionality and use of enzymes in the modification of food systems. Experience in flavor and aroma enhancement and microwaveable foods is desirable.

Protein Chemist
Ph.D. in Protein Chemistry with 3+ years of postgraduate experience. Knowledge of stabilization and chemical modification of proteins. Experience in biocatalysis and protein delivery systems is a plus.

Drug Delivery Scientist
Ph.D. with 3+ years’ postgraduate experience in drug delivery systems. Applicants must have skills in one or more of the following areas: biochemistry, cell biology, physiology, and polymer chemistry.

Enzytech can offer you rapid career development, excellent salary and benefits and equity participation. For confidential consideration, please send a resume to: Human Resources Dept., Enzytech, Inc., 763D Concord Avenue, Cambridge, MA 02138. An Equal Opportunity Employer.

ORGANIC CHEMIST
ENVIRONMENTAL FATE

Hazleton Laboratories America, Inc., a leading contract laboratory located in Madison, WI, has an opening for a project leader in the Environmental Fate Department. This position involves:
- Isolation and identification of degradation products
- Radiotracer techniques used to study the kinetics of degradation
- Chromatographic techniques (TLC & HPLC)
- Protocol preparation, report writing, interaction with clients and providing work direction to technicians.

Requires a Ph.D. in organic chemistry or a BS/MS with appropriate experience. Send resume to:

Personnel Department
HAZLETON LABORATORIES AMERICA INC.
3301 Kinsman Boulevard
Madison, WI 53707
An Equal Opportunity Employer

RESEARCH CHEMIST

Ventron Division leading manufacturer of specialty chemicals for the plastic industry is in need of a Research Chemist. The successful candidate should have a BS or MS in Chemistry plus 3–5 years experience in synthesis or formulation using polymer additives. PVC is preferred, but appropriate background in other polymers acceptable. Full schedule of benefits is offered including a matched 401K savings plan, comprehensive healthcare and dental insurance. For immediate consideration forward resume with salary history and requirements to:

Director of Human Resources
VENTRON DIVISION
Division of Morton Thiokol, Inc.
2000 West Street, Cincinnati, OH 45215
An Equal Opportunity Employer M/F/V

JOB HUNTING?
"Life is short, but there is always time enough to be courteous."—Emerson. Answer all ad inquiries. Failure to do so is unfair to companies and other applicants.

Project (Monitor)

The CRSC, providing technical management for the Illinois coal desulfurization research program, seeks a Project Monitor to assist in planning, implementing, research, and evaluating projects; to assist in project accomplishment.

Successful candidate will have at least three years experience with project management and contract research. Knowledge and experience with coal cleaning and/or characterization a plus. An MS/Engineering (chemical or fuels preferred) or related physical science degree such as chemistry is required.

The salary is negotiable, but near $40,000. The starting date will be as soon as possible after October 15, 1988. To ensure full consideration, a resume and letter of application should be sent by October 15, 1988, to:

Assistant Director
Center for Research on Sulfur in Coal
Suite 202
201 W. Springfield Avenue
Champaign, IL 61820-4834
217/333-9241

An AA/EO Employer

ORGANIC CHEMISTS

Sandoz Crop Protection, Zoecon Research Institute, a company widely recognized for excellence in agrichemical research, is seeking scientists with a genuine commitment to chemical research.

Responsibilities include the synthesis and characterization of novel compounds as part of a program to develop environmentally compatible pest control agents. These positions require a BS or MS degree in organic chemistry with appropriate lab research experience. Applicants should have expertise in modern methods for the synthesis, separation and characterization of organic compounds.

For consideration, please apply at or send resume to:

Sandoz Crop Protection
Zoecon Research Institute
Human Resources Department
975 California Avenue
Palo Alto, CA 94304-1104
AA/EOE
RESEARCH CHEMIST
NATURAL PRODUCTS

The Squibb Institute for Medical Research is recognized internationally as a leader in the research and development of novel pharmaceuticals. We currently have an exceptional opportunity available for an experienced Chemist to join our Department of Chemistry/Infectious and Metabolic Diseases.

You will be responsible for the isolation, structure determination and synthesis of natural products expressing biological activity in a variety of chemotherapeutic areas. The use of a broad array of chromatographic techniques (TLC, ion exchange, HPLC, counter current chromatography, etc.) is required. The position also requires competence in the use of biological and radiochemical assay methods and facility in the use and interpretation of NMR, MS and other spectroscopic methods. Skills in synthetic organic chemistry are required for chemical modification, degradation, synthesis and preparation of analogs of interesting natural products.

Qualified candidates should have an MS degree in Organic Chemistry and a minimum of 2 years related research experience.

In addition to an excellent salary and comprehensive benefits package, we offer the opportunity to pursue a rewarding and stimulating career. For consideration, please submit your resume to: The Squibb Institute for Medical Research, Human Resources Department 77, PO Box 4000, Princeton, NJ 08543. An equal opportunity employer.

POLYMER CHEMISTRY
POSTDOCTORAL FELLOWS

Postdoctoral Fellows with experience in polymer synthesis, organic synthesis and analytical electrochemistry for positions involving research in solid polymer electrolytes, electrochromic materials, superconductors and chemical sensors. PhD in Chemistry. Salary: $23-28K. Regular positions may be available.


In a hurry for chemists or engineers? Chemical & Engineering News is your answer:

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If your film—right reading, emulsion side down—reaches us by 12 noon on Monday (except legal holidays), your help wanted ad will appear in the very next issue of Chemical & Engineering News mailed Saturday (issue dated Monday).

Because Fast Close space is limited, reservations are on a first call, first in basis. Our Fast Close rates require a 15% premium over our regular rates:

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UNIVERSITY OF COLORADO
VISITING FELLOWSHIPS
(1989–90)

FOR RESEARCH IN
• atmospheric chemistry
• analytical chemistry
• environmental chemistry, biochemistry and geochemistry
• atmospheric and climate dynamics
• remote sensing
• global change

at the Cooperative Institute for Research in Environmental Sciences (CIRES).

Five competitive fellowships will be awarded to recent Ph.D. recipients and to senior scientists, including faculty on sabbatical leave. Stipends average $28,500 for twelve months. Appointments can begin at any time during the year. Selection of awardees is made in part on the likelihood of active interaction with CIRES scientists and other research groups in Boulder. Senior CIRES-affiliated scientists working in these fields include James Avery, Susan Avery, Ben Bassey, Roger Barry, John Birks, Maurice Blackman, William Bowman, Henry Diaz, R. Ray Fall, Lang Farmer, Fred Fehsenfeld, Alexander Goetz, Howard Harvey, William Hay, Murray Johnston, Bruce Koel, William Lewis, Uwe Radd, Colin Ramage, George Reid, Russ Schnell, Robert Sievers, and Harold Watson. Candidates are encouraged to contact one or more of the senior investigators as they are preparing their proposals. Apply to
Prof. R. Sievers,
Director, CIRES,
Visiting Fellows Program
University of Colorado,
Campus Box 448
Boulder, CO 80309.

Include vitae, publications list, and brief outline of proposed research. Junior applicants must submit undergraduate and graduate transcripts. First consideration will be given to applications received by December 1. Final application deadline is February 15.

The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity. In that spirit, we are particularly interested in receiving applications from members of ethnic minorities, and disabled individuals.

HEAD OF DEPARTMENT
CHEMICAL ENGINEERING
WORCESTER POLYTECHNIC INSTITUTE

Worcester Polytechnic Institute invites applications and nominations for the position of Head of the Department of Chemical Engineering. The Institute seeks an individual who is an outstanding educator and scholar, and who can provide innovative and dynamic leadership in education and research.

The Department of Chemical Engineering (CHE) has 11 faculty members (with 11 full-time tenure-track faculty members), and a total enrollment of about 140 undergraduates and 40 full-time graduate students. CHE faculty research interests focus on three major areas: biochemical engineering, catalysis and organic synthesis, and polymer science. Included in these are subspecialties in materials processing and nanotechnology, inorganic membrane technology, biosensors, biomaterials and tissue engineering. The Department is the managing director of the Chemistry Faculty of the Free University of Amsterdam, which on average supports the activities of the department. A contribution to the management of the Department is expected.

The appointment will begin at any time prior to July 1, 1989. Applications, including curriculum vitae and the names of three references, will be accepted until Dec. 1, 1988, or until a suitable candidate has been selected. Interested persons should send their applications to:
Professor Lance E. Schachterle
Search Committee Chairman
Project Center
Worcester Polytechnic Institute
100 Institute Road
Worcester, MA 01609

Worcester Polytechnic Institute is an Equal Opportunity/Affirmative Action Employer.

ROBERT A. PLANE CHAIR

An endowed chair has been established and applications and nominations are invited. All research areas in chemistry will be considered. Send resumes by October 31, 1988 to Professor Sig E. Friberg, Chairman, Department of Chemistry, Clarkson University, Potsdam, NY 13676. An Equal Opportunity/Affirmative Action Employer.

The Physical and Theoretical Chemistry section of the Chemistry department at the Free University of Amsterdam invites both men and women to apply for the position of

professor of physical chemistry

(m/f)

Current research at the physical chemistry section is in the fields of spectroscopy and experimental thermodynamics.

Tasks: The appointed candidate will have responsibility for spectroscopic research in the section. Present research activities are experimental (NMR) and theoretical (statistical physics) investigations of anisotropic properties and dynamic behavior of the liquid state. The appointee will have the opportunity to setup a new experimental line of research, viz., laser spectroscopic research of dynamical processes (inter- or intramolecular) in the condensed phase or in gasphase clusters.

The applicant will be required to participate in the teaching activities of the department. A contribution to the management of the department and the faculty is expected.

Requirements: applicants should have a wide knowledge of, and have extensive experience with, modern laser spectroscopic techniques. Since he/she will be required to coordinate and stimulate the activities of the Physical Chemistry section, a broad scientific interest is expected. Didactical and management qualities are prerequisite.

Salary: according to the Dutch Civil Servants Code.

Application and contact information can be obtained from the chairman of the nominating committee, Prof. Dr. E.J. Baerends, Department of Physical and Theoretical Chemistry, De Boelelaan 1083, 1081 HV Amsterdam, tel. 020-5482969.

Applications are invited both from individuals who are early in their professional career, as well as from established scientists. The nominating committee also welcomes letters suggesting potential candidates.

Applications, quoting vacancy number 626-8221, and including curriculum vitae and a list of publications and names and addresses of references, should be sent to: Dr. H.B. Jansen, Managing Director of the Chemistry Faculty of the Free University, De Boelelaan 1083, 1081 HV Amsterdam, The Netherlands.
THE UNIVERSITY OF TASMANIA

LECTURESHIP IN CHEMISTRY (Ref. 77/88)

The Department of Chemistry has a vacancy at the Lectureship level for a fixed term of three to five years in the first instance. The successful applicant will be expected to play an active role in both teaching and research. Proven research ability in an area of chemistry compatible with departmental programmes is required. A special responsibility of the appointee will be to co-ordinate teaching activities for courses with an orientation towards applied chemistry and chemical industry. Experience with chemical instrumentation and industrial practices would therefore be an advantage.

Information concerning the position and the departmental research programmes may be obtained from Professor F.P. Larkins (02) 202179. The present salary scale for Lecturers is $29,842-$38,932 per annum (7 increments).

Application form, appointment conditions brochure and information sheet, may be obtained from the Staff Office Secretary, Tel. (02) 202013. Applications quoting ref. should be addressed to the Acting Staff Officer, University of Tasmania, Box 252C, G.P.O. Hobart, Tasmania, Australia 7001 by 31 October 1988.

VOYER UNIVERSITY - CHAIRPERSON OF CHEMICAL ENGINEERING. Applicants who have demonstrated professional accomplishments compatible with an appointment as Chair and who expect to continue a robust research program are sought. The current chemical engineering department has a faculty of eight and programs through the Ph.D. Active research areas include biochemical/biomedical, energy, environmental, and materials/electrochemical. The School of Engineering is expanding its research activity and enlisting its faculty. It is supported by a strong commitment from the administration. Preferred closing date for applications is January 15, 1989. Applications will be accepted until the position is filled. The position is to be filled for Fall, 1989. Send resume and names of three references to Dr. T. Soong, Search Committee Chairman, State University of New York at Buffalo, 238 Ketter Hall, Buffalo, New York 14260.

POSTDOCTORAL RESEARCH APPOINTMENTS ARE OCCASIONALLY AVAILABLE WITH INDIVIDUAL FACULTY MEMBERS OF THE DEPARTMENT OF CHEMICAL ENGINEERING AT THE UNIVERSITY OF CALIFORNIA, ELKINS, CA. Applications are encouraged from outstanding chemical engineers who are interested in the applications of chemical engineering research to gasification, coal liquefaction and other areas of chemical engineering. Applications will be considered until the positions are filled. Applications should include a curriculum vitae and plans for research activities. Send resume and names of references to Dr. A. B. Lockett, Chairman, Department of Chemical Engineering, University of California, Berkeley, CA 94720. Questions about the positions should be directed to Dr. Lockett.

ORGANIC CHEMISTRY - DAVIDSON COLLEGE, a private liberal arts college, has a openings for a tenure-track assistant professor opening for Fall 1989. Responsibilities include teaching, research, and department administration. The college is especially interested in candidates who will contribute to diversity in the college community. Applications are invited from all qualified candidates. The position will be open until filled. Send a letter of application, curriculum vitae, and three letters of reference to Dr. W. W. Schulte, Chairman, Department of Chemistry, Rollins Hall, Davidson College, Davidson, NC 28036. Applications must be received by December 1, 1988.

PHYSICAL CHEMIST. Assistant professor position available July 1, 1989. Responsibilities include lecture and laboratory sections of introductory and advanced physical chemistry courses, and a research program of undergraduate research. Ph.D. in physical chemistry and teaching and research experience are required. The position is a 9-month, tenure track position. Send letter of application, curriculum vitae, and names and addresses of three references to: Dr. W. W. Schulte, Chairman, Department of Chemistry, Rollins Hall, Davidson College, Davidson, NC 28036. Applications must be received by December 1, 1988. Davidson College is an equal opportunity/affirmative action employer.
FACULTY POSITION—ORGANIC CHEMISTRY. The Chemistry Department at the University of Virginia announces a tenure-track position effective August 1989. The appointment is intended to be at the Assistant Professor level. Applicants should have a Ph.D. in Organic Chemistry and demonstrate potential for a high-quality research program. Preference will be given to persons with experience in synthetic organic chemistry and/or inorganic chemistry. Finalists will be expected to present a research prospectus and arrange for three letters of recommendation to be sent to: Richard B. Mathies, Chairman, Chemistry Department, University of Virginia, Charlottesville, Virginia 22903. The review of applications will begin immediately and continue until the position is filled. An Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITION—PHYTOPHARMACOLOGY. The Department of Pharmacology is seeking a faculty member at the rank of Assistant Professor. Applicants should have a Ph.D., M.D., or equivalent degree in the biological sciences with a background in Pharmacology. Research in the area of biological regulatory substances and their potential bioactivity is desired. This is a full-time position with an expected start date in August 1989. Applicants should submit a curriculum vitae and the names, addresses, and telephone numbers of three references to: Professor W.R. Strebic, Department of Pharmacology, University of Alabama at Birmingham, Birmingham, Alabama 35294. Applications must be received by December 15, 1988. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION—MINERALOGY. The Department of Geology, University of Illinois at Urbana-Champaign, is seeking applications for a position at the rank of Assistant Professor. Applications are invited for a tenure-track position in Petrology or Mineralogy beginning August 1989. The successful candidate will have a Ph.D. in Geology, a strong commitment to teaching at the undergraduate and graduate levels, and a developing research program. Preference will be given to candidates with research interests in major element geochemistry or petrological mineralogy. The successful candidate will be expected to establish an independent research program, to participate actively in graduate student and undergraduate teaching, and to maintain a high-quality research program. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor J. E. Schoenebeck, Chairman, Department of Geology, University of Illinois at Urbana-Champaign, 1047 Natural History Building, 1206 West Green Street, Urbana, Illinois 61801. An Equal Opportunity/Affirmative Action Employer.

FACULTY MEMBER, INORGANIC CHEMISTRY. Applications are invited for a position at the Assistant Professor level, effective August 1989. The successful applicant will have a Ph.D. in Inorganic Chemistry and demonstrate potential for contribution to the organic-inorganic interface. Preference will be given to candidates with research interests in molecular electronic devices. Research and teaching responsibilities will be inorganic chemistry and coordination chemistry. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor G. A. Ozin, Department of Chemistry, University of British Columbia, Vancouver, British Columbia V6T 1Z1, Canada. An Equal Opportunity Institution.

FACULTY MEMBER, BIOCHEMISTRY. The College of Science and the Division of Biological Sciences at the University of Illinois at Urbana-Champaign is seeking applications for a faculty position at the rank of Associate Professor or Professor. The successful candidate will have a Ph.D. in Biochemistry and demonstrate potential for a high-quality research program. Preference will be given to candidates with research interests in molecular biology, gene expression, and evolution. Research and teaching responsibilities will be in biochemistry and molecular biology. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor J. W. Berkelhammer, Department of Biochemistry, University of Illinois at Urbana-Champaign, 201 Science and Engineering Laboratory, Urbana, Illinois 61801. An Equal Opportunity/Affirmative Action Institution.

FACULTY POSITION—ORGANIC CHEMISTRY. The Chemistry Department at the University of Minnesota—Duluth invites applications for a tenure-track position at the assistant professor level in the area of physical organic chemistry. The successful applicant is expected to pursue high-quality research program. Preference will be given to persons with experience in organometallic chemistry. Finalists will be expected to present a research prospectus and arrange for three letters of recommendation to be sent to: Professor W. E. H. Burford, Department of Chemistry, University of Minnesota—Duluth, Duluth, Minnesota 55812. Applications must be received by November 15, 1988. An Equal Opportunity/Affirmative Action Employer.

FACULTY MEMBER, INORGANIC CHEMISTRY. Applications are invited for a tenured-track position in Inorganic Chemistry beginning in August 1989. The successful candidate will have a Ph.D. in Inorganic Chemistry and demonstrate potential for developing a high-quality research program. Preference will be given to candidates whose research interests are in coordination and organometallic chemistry and/or organic-inorganic interfaces. Research and teaching responsibilities will be in inorganic and organometallic chemistry. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor J. W. Berkelhammer, Department of Chemistry, University of Illinois at Urbana-Champaign, 201 Science and Engineering Laboratory, Urbana, Illinois 61801. An Equal Opportunity/Affirmative Action Institution.

ASSOCIATE PROFESSOR, ORGANIC CHEMISTRY. Applications are invited for an Assistant Professor position in Organic Chemistry at Wake Forest University beginning August 1989. The successful candidate will have a Ph.D. in Organic Chemistry and demonstrate potential for a high-quality research program. Preference will be given to candidates who can bring new and improved approaches to organic chemistry to the undergraduate and graduate curriculum. Research and teaching responsibilities will be in organic chemistry. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor W. A. W. H. Brown, Department of Chemistry, Wake Forest University, Winston-Salem, North Carolina 27109. An Equal Opportunity/Affirmative Action Institution.

FACULTY POSITION—INORGANIC CHEMISTRY. The Department of Chemistry at the University of Florida is seeking candidates for a tenure-track position in the area of inorganic chemistry beginning January 1, 1989. The successful applicant will have a Ph.D. in Inorganic Chemistry and demonstrate potential for a high-quality research program. Preference will be given to candidates whose research interests are in the areas of transition metal complexes and organometallic compounds. Research and teaching responsibilities will be in inorganic and organometallic chemistry. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor W. A. W. H. Brown, Department of Chemistry, Wake Forest University, Winston-Salem, North Carolina 27109. An Equal Opportunity/Affirmative Action Institution.

FACULTY POSITION—PHYSICAL CHEMISTRY. The Physics Department at Florida State University invites applications for a faculty position at the rank of Assistant Professor in the area of Physical Chemistry beginning August 1989. The successful candidate will have a Ph.D. in Physical Chemistry and demonstrate potential for a high-quality research program. Preference will be given to candidates with research interests in theoretical and/or experimental biophysics or biochemistry. Research and teaching responsibilities will be in physical chemistry and molecular biology. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor W. A. W. H. Brown, Department of Chemistry, Wake Forest University, Winston-Salem, North Carolina 27109. An Equal Opportunity/Affirmative Action Institution.

FACULTY POSITION—ORGANIC CHEMISTRY. The Chemistry Department at the University of Virginia announces a tenure-track position at the assistant professor level in the area of physical organic chemistry. The successful applicant is expected to pursue high-quality research program. Preference will be given to persons with experience in organometallic chemistry. Finalists will be expected to present a research prospectus and arrange for three letters of recommendation to be sent to: Professor W. E. H. Burford, Department of Chemistry, University of Minnesota—Duluth, Duluth, Minnesota 55812. Applications must be received by November 15, 1988. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. The University of Arizona invites applications for a postdoctoral position in the area of solid-state chemistry. The position is for one year, with the possibility of renewal for a second year, and the position will be at the Postdoctoral Research Associate level. The successful candidate will have a Ph.D. in Chemistry or a related field and demonstrate potential for high-quality research. Research will involve the investigation of the electronic and magnetic properties of novel materials, including magnetic and superconducting substances. Research will also involve the use of neutron-scattering techniques. The successful candidate will be expected to present a research prospectus and arrange for three letters of recommendation to be sent to: Professor J. R. Schirber, Department of Chemistry, University of Arizona, Tucson, Arizona 85721. An Equal Opportunity/Affirmative Action Employer.

ASSOCIATE PROFESSOR, INORGANIC CHEMISTRY. Applications are invited for an Assistant Professor position in Inorganic Chemistry at the University of Florida beginning January 1, 1989. The successful candidate will have a Ph.D. in Inorganic Chemistry and demonstrate potential for a high-quality research program. Preference will be given to candidates whose research interests are in the areas of transition metal complexes and organometallic compounds. Research and teaching responsibilities will be in inorganic and organometallic chemistry. Applicants should submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Professor W. A. W. H. Brown, Department of Chemistry, Wake Forest University, Winston-Salem, North Carolina 27109. An Equal Opportunity/Affirmative Action Institution.

FACULTY POSITION—ORGANIC CHEMISTRY. The Chemistry Department at the University of Illinois at Urbana-Champaign is seeking applications for a tenure-track position in Organic Chemistry beginning August 1989. The successful candidate will have a Ph.D. in Organic Chemistry and demonstrate potential for a high-quality research program. Preference will be given to persons with experience in organometallic chemistry. Finalists will be expected to present a research prospectus and arrange for three letters of recommendation to be sent to: Professor W. E. H. Burford, Department of Chemistry, University of Minnesota—Duluth, Duluth, Minnesota 55812. Applications must be received by November 15, 1988. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION (2). Postdoctoral fellowships are available for the study of plant photosynthesis (phytochrome for light regulation of genes) and photosynthetic glutamine synthetase (for photosynthetic nitrogen assimilation). Annual stipend is $18,000 depending on qualifications and experience in the area of protein and/or membrane biochemistry. Please send curriculum vitae and arrange to send letters of recommendation to: Professor J. R. Schirber, Department of Chemistry, University of Arizona, P.O. Box 210115, Tucson, Arizona 85721. An Equal Opportunity/Affirmative Action Employer.
THE UNIVERSITY OF VIRGINIA is seeking an accomplished organic chemist at an Assistant Professor position in ORGANIC CHEMISTRY. This appointment is expected to be made at the assistant professor level (or higher for exceptionally qualified candidates). The position requires a Ph.D. degree and demonstrated excellence in research and teaching. The successful candidate will be expected to teach introductory chemistry. We seek a candidate who has demonstrated experience and interest in teaching in this area, in addition to his or her research interests. Potential areas of research may include synthetic and mechanistic studies involving these photoinitiators. Ph.D. in organic chemistry is required. Some knowledge of French preferred but not required. Send resume and two letters of recommendation to: Robert E. Ireland, Chairman, Department of Chemistry, University of Virginia, South Orange, NJ 07079. EEO/AA Employer.

TEMPORARY FACULTY POSITION—PHYSICAL CHEMISTRY. The Chemistry Department at SUNY Stony Brook invites applications for a semester replacement position February-May, 1989 to teach physical chemistry and unique open dates. Applicants must have a Ph.D. in physical chemistry and research and teaching experience. Appointments are on a renewable basis. Send application and three letters of recommendation to: Professor J. Whitten, Chairman, Department of Chemistry, SUNY Stony Brook, Stony Brook, N.Y. 11794-3400. SUNY Stony Brook is an affirmative action/equal opportunity employer.

THE DEPARTMENT OF CHEMISTRY AT THE UNIVERSITY OF VIRGINIA is seeking an accomplished organic chemist at an Assistant Professor position in ORGANIC CHEMISTRY. This appointment is expected to be made at the assistant professor level (or higher for exceptionally qualified candidates). The position requires a Ph.D. degree and demonstrated excellence in research and teaching. The successful candidate will be expected to teach introductory chemistry. We seek a candidate who has demonstrated experience and interest in teaching in this area, in addition to his or her research interests. Potential areas of research may include synthetic and mechanistic studies involving these photoinitiators. Ph.D. in organic chemistry is required. Some knowledge of French preferred but not required. Send resume and two letters of recommendation to: Robert E. Ireland, Chairman, Department of Chemistry, University of Virginia, South Orange, NJ 07079. EEO/AA Employer.
**ANALYTICAL CHEMISTRY.** Ph.D. required. Postdoctoral experience in analytical research required. Submit curriculum vitae and five letters of reference to: Professor G. A. Ross, 1450 Haverford Avenue, Philadelphia, PA 19122.

**ANALYTICAL FACULTY POSITION.** The Department of Chemistry at Dartmouth College seeks to fill a faculty position in the area of Analytical Chemistry starting in the fall of 1989. Applicants are expected to have a Ph.D. degree. The assistant professor level is preferred, but applicants at the associate or full professor level will be considered. Send applications to: Search Committee, Department of Chemistry, Dartmouth College, Hanover, NH 03755. Applications will be accepted until November 1, 1988.

**BIOCHEMISTRY, PH.D.:** Minimum of three years of experience in research in biochemistry or related field. Excellent communication skills. Submit curriculum vitae, letter of intent, and three letters of reference to: President, Claremont Graduate Center, Claremont, CA 91711. The review process will begin on November 15, 1988 and continue until a suitable candidate is found.

**BIOCHEMISTRY-MEDICINAL CHEMISTRY, PH.D.:** Experience in the research and development of new pharmaceutical products. Excellent communication and writing skills. Submit curriculum vitae, statement of research interests, and three letters of recommendation to: Chair, Search Committee, Department of Chemistry, Marquette University, Milwaukee, WI 53233.

**BIOCHEMISTRY-CLINICAL CHEMISTRY, PH.D.:** Experience in the research and development of new diagnostic tests. Excellent communication and writing skills. Submit curriculum vitae, statement of research interests, and three letters of recommendation to: Chair, Search Committee, Department of Chemistry, Marquette University, Milwaukee, WI 53233.

**BIOCHEMISTRY PH.D.:** Minimum of three years of experience in research in biochemistry or related field. Excellent communication skills. Submit curriculum vitae, letter of intent, and three letters of reference to: President, Claremont Graduate Center, Claremont, CA 91711. The review process will begin on November 15, 1988 and continue until a suitable candidate is found.

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**BIOCHEMISTRY: B.S., M.S., & M.B.A.: Strong background in plant operations supervision and management. Experience in the chemical industry and environmental areas. Box 400-D-8, Miami University, Oxford, OH 45056.

**BIOCHEMISTRY: M.S. & M.B.A.: Strong background in plant operations supervision and management. Experience in the chemical industry and environmental areas. Box 400-D-8, Miami University, Oxford, OH 45056.

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**BIOCHEMISTRY: M.S. & M.B.A.: Strong background in plant operations supervision and management. Experience in the chemical industry and environmental areas. Box 400-D-8, Miami University, Oxford, OH 45056.

**CHEMICAL ENGINEERING:** MSCi, ME (FOOD): 10 years' industrial experience in product/process development, pilot plant development, faculty positions in academia, etc. Experience in food chemistry, physical chemistry, computer modeling, process simulation, chemical engineering (food), and manufacturing/operations management. Send resume and three references to: Professor H. D. McClements, Department of Food Science and Technology, University of Massachusetts, Amherst, MA 01003.

**CHEMICAL ENGINEERING:** MSCi, ME (FOOD): 10 years' industrial experience in product/process development, pilot plant development, faculty positions in academia, etc. Experience in food chemistry, physical chemistry, computer modeling, process simulation, chemical engineering (food), and manufacturing/operations management. Send resume and three references to: Professor H. D. McClements, Department of Food Science and Technology, University of Massachusetts, Amherst, MA 01003.

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ORGANIC CHEMIST: Experienced in synthesis, chromatography, and spectroscopy. Over six years academic research, including 2,7-12 yrs. position. Desires position at any chemistry level, industrial, environmental, or teaching. B.A., M.S., Ph.D. available for management, agencies only. Limited to PA/NJ geographic area. Box 402-A-6.


ORGANIC/MATERIALS: Ph.D., 10 yrs experience: synthesis, characterization, development, etc. Requires knowledge in polymer synthesis, polymer science, etc. Seeking position related to R&D in a polymer company. Box 402-A-7.

POLYMER CHEMIST: Ph.D. in chemical engineering. M.S. in organic chemistry. Excellent background in biochemistry, studies on DNA, equilibrium, kinetics, surfactants and supermolecules. 10 years experience. Offers education in polymerization of epoxy, urethane copolymers and conductive poly­mers. 395 Sheldon Ave., Columbus, 43229.

POLYMER: October Ph.D. in polymer. Morphology-property relationships in blends and composites, rubber toughening of plastics and thermosets (e.g., epoxy), fatigue and fracture mechanics. Experience in wire and cable applications and compounding—PE, FVC and EPDM. Knowledgeable in IN, extruder, polymerization. Seeks challenging position. Box 402-D-8.

OTHER

PATENT APPLICATIONS PREPARED: $50.00 per page in advance plus $50.00 per page when allowed. Don Fabbio. 8925 Westregal Drive, Akron, OH 44320.


RA D GROUP LEADER: With 20 years experience in soaps, shampoos, personal care, fine chemicals, polymerization, and high purity operations. Very creative (11 patents), good interpersonal skills, strong, decisive motivation. Box 304-A-10.

CONSULTANT: Environmental, hazardous waste, safety and training. Reeves Environmental and Safety Services, Rt. 2, Box 429, Bux, TX 77612. (409) 994-3566.


MARKETING/SALES MANAGEMENT: Experienced marketing specialist with M.B.A. & C.M.E. Degrees. Extensive experience in sales and product management. Market research, strategic planning, new product development, marketing programs, implementation. Team player with strong analytical and interpersonal skills. (413) 865-2408.


ATTORNEY/ CHEMIST (MA)—10 years experience in the plastics industry. Expert in trademarks, copyrights, patents, and aspects of food & drug regulations. Licensed to practice in all courts of MA and Federal District Court. Includes knowledge of patent law.設備. Patents, publica­ tions, complete library and standards files. R.H. Gray, 9 Circle Drive, Rumson, NJ 07760. (201) 842-2251.

COMPUTATIONAL CHEMISTRY/MOLECULAR MODELING: PhD. in theoretical molecular chemistry. Specialization in the theoretical and computational chemistry of inorganic, organic, and biological systems. Available for position as a research scientist. Box 404-A-8.


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MICROBIOLOGIST, PH.D.: Desires position as director of fermentation, microbial production, or microbiologist in R&D. GC, etc. Extensive industrial and academic experience in fermentation, metabolic engineering, molecular biology, fermentations, effects of chemicals on microbes, bioassays. Taught twelve different university courses. Journal publications, patents. G. Butter, P.O. Box 66563, Santa Barbara, CA 93106. (805) 676-9625.


Situation Wanted

(Situated Chemists and Ch.E.'s.)

ADVISOR/CONSULTANT: 33 years in R&D and business management. Experience in project selection and evaluation, new product introduction, acquisition identification and evaluation, establishing overseas operations and J.V.'s and as expert witness in product liability and environmental matters. Take advantage contact T. L. Heying, 1256 Gulf Shores Blvd. #308, Clearwater, Florida 34633, (813) 596-7892.

ANALYTICAL & ENVIRONMENTAL CONSULTANT: Expert with 17 years experience in analytical, forensic, toxicology, abusing drugs and activated carbon. Analytical chemistry and management Ph.D. MBA. GC/MS data quality, laboratory support and inspection, product development, short training courses and technical writing. Domestic or foreign assignments. Dr. Henry G. Nowick, 409 Maine Drive, Cortopas, PA 15108 (412) 262-4222.


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