



THE **CHESAPEAKE
CHEMIST**

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XLIV

FEBRUARY, 1988

NUMBER 2



CHEMICAL INFORMATION SCIENTIST

McCormick & Company, Inc., a food processing company in Hunt Valley, Maryland has a full time, entry level position available in the Corporate Technical Information Center. The person will perform reference services for flavor chemists, food scientists and food technologists, including online searching of DIALOG, MEDLARS, CAS ONLINE and ORBIT. A bachelor's degree in Chemistry is required. Applicants with 2-3 years experience in chemical research, computer science and/or online searching are preferred. Please send resumés to:

Human Relations Manager (FPI)
McCormick Corporate R&D Labs
11350 McCormick Road
Hunt Valley, Md 21031

EAS AWARDS

The Eastern Analytical Symposium, Inc., is soliciting nominations for two Outstanding Achievement Awards. One award is for analytical chemistry and the other is for chromatography. Plaques symbolizing the awards will be presented at special symposia, arranged to honor the awardees, to be held during the Eastern Analytical Symposium in New York during the week of September 25-29, 1988. The award in analytical chemistry also includes a stipend of \$1,000.

A nominating letter describing the nominee's accomplishments should be submitted with a biographical sketch by July 1 to Alvin Bober, Chairman, EAS Awards Committee, State of Maryland, DHMH, Environmental Chemistry Division, 201 West Preston Street, P.O. Box 2355, Baltimore, MD 21203

ACS RECOGNIZES STUDENT AFFILIATE CHAPTERS

The ACS annually evaluates performances of its more than 800 student affiliate chapters. The Society Committee on Education selects certain chapters for recognition in one of two categories: outstanding or commendable.

Anne Arundel Community College and Morgan State University have been informed by Mary L. Good, 1987 ACS President, that their student affiliate chapters were rated outstanding for the 1986-87 school year.

The Chesapeake Chemist congratulates these two outstanding chapters.

BLACK CHEMISTS CONFERENCE

The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) announces that its 15th Annual National Conference will be held April 4-8, 1988 at the Wyndham Franklin Plaza Hotel in Philadelphia. Technical sessions will include major areas of chemistry and chemical engineering. Special topics symposia will include Materials Science, Heterogeneous Catalysis, Chemical Marketing, Organic Synthesis and Emerging Chemical Engineering Topics.

For more information contact Dr. Denise M. Barnes, AT&T Bell Labs, 555 Union Blvd., Allentown, PA 18103; telephone (215) 439-5680.

PICNIC

Reserve July 31 for our ACS summer picnic at the Belmont Conference Center.



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The Chesapeake Chemist is published monthly September through May by the Maryland Section of the American Chemical Society. Address editorial comments to the Editor. Send advertising copy and inquiries to the Business Manager. The Maryland Section is not responsible for opinions expressed herein. Editorials express the opinions only of their authors. The Editor is responsible for all unsigned material.

MITAGS

The Maritime Institute of Technology & Graduate Studies is the training facility of the International Organization of Masters, Mates and Pilots. For over 100 years, the MM&P has sought, not only to improve the licensed deck officers' standard of living, but to sharpen and enhance their professional skills. In 1967, to close the training gap created by rapid advances in marine technology, the IOMM&P joined with its contract companies to form the MM&P Maritime Advancement Training, Education and Safety (MATES) Program. This Program established the Institute in 1972 and it is now the most advanced maritime training facility in the world. MITAGS, the culmination of IOMM&P foresight, stands as a symbol of the goal of professional excellence shared by the IOMM&P and its contracted shipping companies.

Sustained health of any industry has always been due in part to the increased competence and productivity of those professionals in the industry. Human and environmental safety, coupled with highly technical and complex operations, demand thoroughly trained personnel. It is a disturbing fact that in a great majority of marine casualties human error has been a contributing factor. In all too many instances these errors are attributable to inadequate professional preparation. The days of on-the-job training for officers in the maritime industry are past. The Masters, Mates and Pilots and its contracted companies recognize this fact and through MITAGS, are dedicated to teaching the required skills of the modern ship's officer.

Proof that MITAGS has no peer is demonstrated by the large number of officers from other countries who have trained here. MITAGS is unique by virtue of the fact that its training encompasses the total experience of shipboard operations. This single facility represents the most comprehensive accumulation of maritime knowledge possible.

Professionals from many fields gain knowledge and experience vital to successfully performing their various tasks through the process of simulation, and MITAGS provides training available in the marine profession. Some areas of instruction include the skilled use of radar, collision avoidance systems, steam and diesel propulsion plants, Admiralty Law, advanced shipboard medical care, license upgrading and others.

PROGRAM

After dinner, the Maryland Section will tour the facilities of the MITAGS. The highlight of the tour will be the simulators used to train pilots, captains, and other officers. The simulators offer unlimited operating areas easily programmed by the instructor. The computerized optical system consists of 60 light projectors, providing a 360° field of view. Ten other ships can be displayed along with the buoys, ranges and shore lights of almost any part of the navigational world, catalogued and stored in an expandable library of 100 varied exercises. The horizon can be varied in intensity to simulate different degrees of darkness. Multichannel sound generation allows for the directional sound of other ships as well as one's own ship's sounds and vibrations.

The bridge of each simulator is fully equipped and operational, consisting of a steering stand, front console, overhead panels, maneuvering console, auxiliary console, radar, chartroom and electronic navigation instruments. In addition to the instruments normally found aboard ships, the instrumentation package includes Decca, Loran C, Omega, Transit Satellite Navigation, all the necessary radio communication, bow and stern thrusters, anchor controls and indicators, and alarm panels for both engine room and navigation systems. All consoles and instruments can be rearranged, interchanged, or removed to fit the configuration of any specific bridge layout.

MARCH MEETING

DATE:

March 16, 1988

PLACE:

Maritime Institute of Technology
5700 Hammonds Ferry Road
Linthicum Heights
Maryland

PROGRAM:

Tour of the Facilities

SCHEDULE:

Social Hour 5:30 pm
(Sponsored by Beckman Scientific)
Dinner 6:30 pm
Program 7:30 pm

Dinner price \$20.00 per person, but spouses, retired chemists and students may attend for \$18.00.

Dinner reservations should be made by mailing checks, payable to Maryland Section of ACS, to

Ms. Judy Pack
Nova Pharmaceutical Corp.
6200 Freeport Center
Baltimore, MD 21224
(301) 563-6161

by Friday, March 11. We will have a seated dinner requiring firm reservations, so no late reservations can be accepted.

The size of the facility limits us to a group of 75 people.

The Maryland Women Chemists' Committee will meet at 5:00 pm.

It is not necessary to be a member of the American Chemical Society to attend.

MITAGS, at 5700 Hammonds Ferry Road in Linthicum Heights, is just outside the Baltimore beltway. From the outer loop take exit 8 and go left (south) on Hammonds Ferry Road. From the inner loop take exit 8 to Nursery Road, go right on Nursery Road and then left on Hammonds Ferry Road.

Simulator number two is mounted on a motion platform enabling the bridge to pitch and roll plus/minus 20 degrees and heave 18 inches. Sea states to force ten can be programmed into any exercise permitting heavy weather ship-handling to be taught. In addition, either simulator lends itself to a variety of research projects.

The instructor's console is entirely removed from the bridge area. Here the instructor can choose various types of ships from a large computer library. These math models duplicate the shiphandling characteristics of the individual vessel selected. The simulator utilizes all the dynamic forces and environmental effects acting on the vessel during exercises including navigation of shallow waters, narrow channels, and interaction with other vessels in restricted waters.

The program, while operating in realtime, continuously provides the instructor with needed information to control and alter training situations. A Versatec printer-plotter provides on-and-off line hard copy records, and a multicolor x/y recorder reproduces the training exercise events as they happen. A freeze and rerun of any portion of an exercise can be done to demonstrate how the situation might have been better handled. System failures can be initiated to sharpen the officer's ability and teach him to utilize secondary systems.

MARYLAND WOMEN CHEMISTS' COMMITTEE

The newly formed Maryland WCC is presently recruiting members and working on two projects for this year: 1) the establishment of a Speakers' Bureau list which could be distributed to high schools and colleges in Maryland and 2) the collection and distribution of a list of summer student/intern positions available at companies and institutions in Maryland. This list would be sent to all the colleges in Maryland to help students in locating such positions. The committee held its first general meeting Wednesday January 6, 1988 at UMBC under the sponsorship of the UMBC Chemistry Department and the Maryland Section of ACS. We discussed the need for such a group and the role it could play in the Maryland ACS. Diane Schmit volunteered to collect the information about the summer student/intern positions. If your company or institution has such positions please send her the information at the address below. Alane Kimes volunteered to collect the names of those willing to serve on a Speakers' Bureau. If you are interested please send her your name, a title for your talk with a brief synopsis and a phone and address where you may be reached. We are hoping to get volunteers for the Speakers' Bureau from many parts of the state so that schools could choose speakers from their geographic area. Lena Ohannesian, our acting chairman, announced that she is resigning in mid-January as she has taken a position in Philadelphia. Ann Abeles agreed to stay on as secretary but we are in need of someone willing to finish out the year as chairman. Our last order of business was to set a date for the next general meeting. It will be held at 5 PM at the Maritime Institute in Linthicum, MD; Wednesday, March 16 in conjunction with the regular monthly meeting. If you need further information please contact Ann Abeles.

| Secretary | Speakers' Bureau | Intern Positions |
|--|---|--|
| Ann Abeles NCI-FCRF P.O. Box B Frederick, MD 21701 301-698-1256 | Alane Kimes NIAD Addiction Res. Center Box 5180 Baltimore, MD 21224 301-550-1440 | Diane Schmit 3608 Monterey Rd. Baltimore, MD 21218 301-267-3503 |

TWENTIETH CENTRAL REGIONAL MEETING

The ACS 20th Central Regional Meeting, hosted by the Northern West Virginia Section, will be held June 1-3, 1988 at West Virginia University in Morgantown. Professor Frank H. Westheimer of Harvard will give the plenary lecture. The program will feature a large number of symposia and contributed papers.

Further information can be obtained from Dr. Anthony Winston, General Chairman, Department of Chemistry, West Virginia University, Morgantown, WV 26506-6045; (304) 293-4742.

FUTURE MEETINGS

| DATE AND LOCATION | SPEAKER AND AFFILIATION | SUBJECT |
|---|--|---------------------------------|
| April 20, 1988 Western Maryland College | Dr. Alan McClellan National Science Foundation | Chemical Careers in Industry |
| May 18, 1988 Johns Hopkins | Remsen Award | To Be Announced |

HERMAN SKOLNIK AWARD NOMINATIONS

In honor of the first recipient, the ACS Division of Chemical Information established the Herman Skolnik Award to recognize outstanding contributions to and achievements in the theory and practice of chemical information science.

By this Award, the Division of Chemical Information hopes to provide role models that scientists may emulate in the continuing advancement of chemical information science, in areas such as:

- Production and dissemination of chemical information;
- Editorial innovations;
- Design of new and unique indexing, classification and notation systems;
- Design of new and unique computerized information systems;
- Chemical nomenclature;
- Structure-activity relationships; and
- Data correlations.

Since established in 1976, the award has been presented to the following individuals at a national ACS meeting:

| | |
|-------------------------|------|
| Herman Skolnik | 1976 |
| Eugene Garfield | 1977 |
| Fred A. Tate | 1978 |
| William J. Wiswesser | 1980 |
| Ben H. Weil | 1981 |
| Robert Fugmann | 1982 |
| Russell J. Rowlett, Jr. | 1983 |
| Montagu Hyams | 1984 |
| Dale B. Baker | 1986 |
| William Theilheimer | 1987 |
| David R. Lide, Jr. | 1988 |

The award consists of a \$350 honorarium and a walnut plaque. The recipient is expected to give an address at the time of the presentation of the Award. The 1989 Herman Skolnik Award Symposium will take place at the 197th American Chemical Society National Meeting in Dallas on Tuesday April 11, 1989. In recent years, the Award Symposium has been organized by the recipient.

Nominations should include the nominee's contributions to the field, including supporting material, and an evaluation of the accomplishments. Seconding letters are required. The deadline for nominations for the 1989 Award is April 10, 1988. Nominations should be sent to:

Chemical Information Division Award Committee
Merle I. Eiss
6800 Hunt Court
Baltimore, Maryland 21209

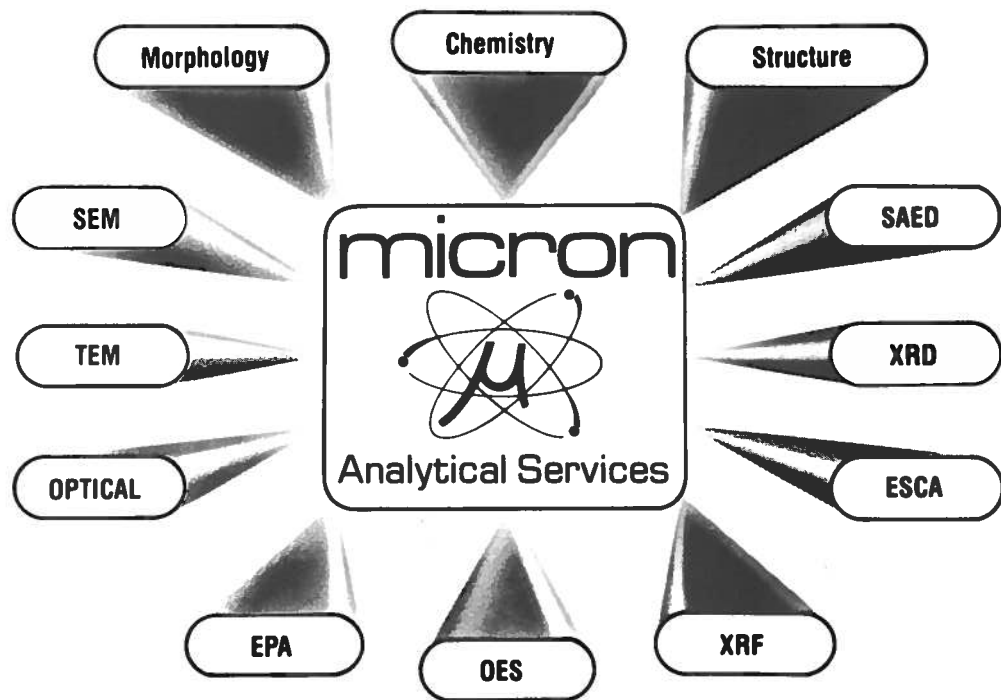
RESIDUE CHEMIST WANTED

A degreed (BS) Chemist is needed by this major spice and extract specialty firm to test imported and domestic raw materials and finished products for pesticide, preservative, additive and trace element residues. Experience with GC, HPLC, and UV/Visible Spectrophotometry is required along with knowledge of the PAM and FAAM (published by FDA) and the AOAC. Residue analyst experience is preferred. If background and interest are appropriate, please contact Manager, Human Relations (T.C.), Corporate Quality Laboratories, McCormick and Company, Inc., 11350 McCormick Road, Hunt Valley, Maryland 21031.

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