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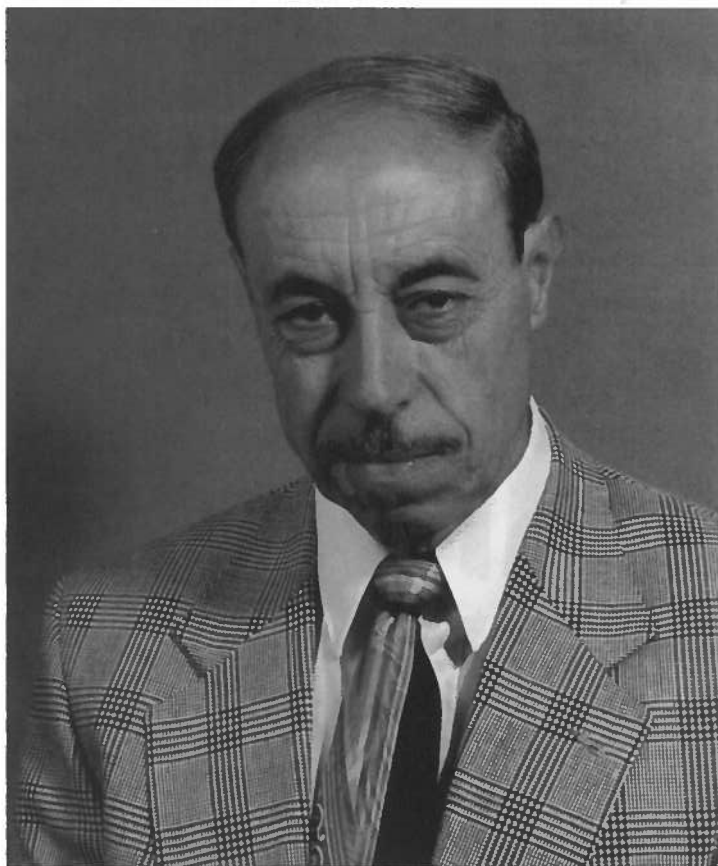
# CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. LVI

DECEMBER, 2000

NUMBER 9



*THE MARYLAND CHEMIST OF THE YEAR*

MARYLAND SECTION  
of the  
AMERICAN CHEMICAL SOCIETY  
  
MARYLAND CHEMIST AWARD

2000  
Presents to

**Haleem J. Issaq**

In acknowledgement and recognition of his outstanding contributions to the field of separation techniques applicable to in vivo and in vitro carcinogenesis research ranging from enzymes, receptors, carcinogen metabolism, natural products and nucleic acids and protein separations and characterization; further more for being a pioneer in the developing predictive modeling of selective analyte retention in chemical separations, defining the roles of mobile and stationary phases for separation control, multimodal and multidimensional chromatographic techniques, and the applications of capillary electrophoresis to the separation of biopolymers.

Awarded this 13<sup>th</sup> day of December 2000 with the admiration and appreciation of his fellow professionals.



# THE CHESAPEAKE CHEMIST

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Shirish Shah receives the congratulations of Rita Boggs and Chuck Rowell on receiving his Science Policy Award at the Washington ACS meeting

*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.

## Haleem J. Issaq

Analytical Chemistry Laboratory  
Science Application International Corporation  
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Haleem Issaq received his B. S. degree in Chemistry from Robert College, Istanbul (Turkey) in 1965 and his M. S. degree in Analytical Chemistry from Technion Israel Institute of Technology, Haifa (Israel) in 1972. He earned his Ph. D. degree in Analytical Chemistry from Georgetown University, Washington (D.C.) in 1972 for his work on: "Utilization of Ultrasonic Nebulization in Atomic Absorption". He began his professional career as a Research Associate of the Frederick Cancer Research Center in 1973. He then moved on to SAIC as a Senior Scientist. From 1984 to 1995, he worked as the Head of the Quality Control Laboratory. Currently, he is serving as the Head of the Chromatography/ Spectroscopy Section, SAIC. He has been associated with over 180 publications and has been the recipient of several awards and honors including a patent on "Antiradial Chromatography Device". He has organized and participated in national and international conferences. He is a member of the Editorial Boards of CRC Handbook Series in Chromatography, CRC Critical Reviews in Analytical Chemistry, Electrophoresis and Journal of Capillary Electrophoresis. Since 1977, he has been serving as the Associate editor of the Journal of Liquid Chromatography.

### Separation Science: Paper Chromatography to Silicon Microchips

It has been a long walk since the introduction of the Paper Chromatography as an analytical separation technique to silicon microchips. The talk will high light the outstanding contributions of the separation techniques and show how a judicious combination (hyphenation) of thin layer chromatography, high pressure liquid chromatography, gas chromatography and capillary electrophoresis can lead to a successful separation of complex analytes.

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## THE MARYLAND CHEMIST AWARD

DATE: Wednesday, December 13, 2000

PLACE: University of Maryland Baltimore County  
University Center Ballroom Lounge

SCHEDULE: 6:00 pm Social/Networking

6:45 pm Dinner

7:45 pm THE MARYLAND CHEMIST OF THE YEAR  
HALEEM J. ISSAQ  
Science Application International Corp.  
"Separation Science: Paper Chromatography  
to Silicon Microchips"

Dinner price is \$18.00 per person, but spouses and retired chemists may attend for \$16.00; students may attend for \$9.00. Reservations may be made by calling Dr. Shirish Shah at 410-532-5712 or e-mail to [sshah@ndm.edu](mailto:sshah@ndm.edu)

DIRECTIONS: From I-95 take exit 47B (route 166 Catonsville). Signs to UMBC will lead to Hilltop Circle. Follow Hilltop Circle to Hilltop Road (traffic light). Take Hilltop Road toward the campus and enter lot #9. From I-695 take exit 12C (Wilkins Ave. West). From Wilkins Ave. turn left at Hilltop Road. Cross Hilltop Circle (traffic light) and enter lot #9. Parking restrictions are not enforced after 3:30 pm, but meters remain active until 7:30 pm. The University Center is about 100 yards ahead from the southeast corner of parking lot #9. The University Center is Bldg. 34.

### MARYLAND CHEMIST AWARD

The Maryland Chemist Award was established in 1962 to recognize and to honor, each year, a member of the Maryland Section for outstanding achievement in the field of chemistry. The achievement, as originally stated, may be in pure or applied chemistry, chemical engineering, or chemical education. Some recipients have distinguished themselves in management.

The Section's Bylaw VIII establishes the rules of selection of recipients Maryland Chemist Award. Recommendations of Awards Committees must be approved by the Section officers. The applicable section of Bylaw VIII is quoted as follows:

*"Recipients of the Maryland Chemist Award must have been members of the Section for a minimum of five years and have made outstanding contributions to chemistry as defined in the Constitution of the SOCIETY (chemistry is defined in broad terms). The work on which the award is based should have been performed in Maryland."*

Previous recipients have been:

1962 E. Emmet Reid	1975 Benjamin Witten	1988 Edward Poziomek
1963 W. Mansfield Clark	1976 Richard L. Hall	1989 Catherine Clarke Fenselau
1964 Alsoph H. Corwin	1977 Henry C. Freimuth	1990 Alex Nickon
1965 John C. Krantz, Jr.	1978 Gunther L. Eichhorn	1991 Cecil H. Robinson
1966 Belle Otto Talbot	1979 Emil H. White	1992 Craig A. Townsend
1967 Walter S. Koski	1980 M. Gali Sanchez	1993 Ernest F. Silversmith
1968 George L. Braude	1981 Paul O. P. Ts'o	1994 Yale H. Caplan
1969 Leslie Helleman	1982 Joseph L. Katz	1995 Richard H. Smith, Jr.
1970 Paul H. Emmett	1983 Shih-Yi Wang	1996 Shekar Munavalli
1971 Giles B. Cooke	1984 Nicolas Zenker	1997 WuCheng Cheng
1972 Arnold M. Seligman	1985 John Lambooy	1998 Joel F. Liebman
1973 Lester P. Kuhn	1986 David F. Roswell	1999 Marc D. Donohue
1974 Joyce J. Kaufman	1987 Gary H. Posner	



## Nominations Requested for the National Inventors Hall of Fame and The National Medal of Technology

The American Chemical Society (ACS) Committee on Patents and Related Matters (CP&RM) invites you to make suggestions to the Committee on possible candidates for induction into the National Inventors Hall of Fame. The inventor is not required to be a U.S. citizen, but the invention upon which the nomination is based must be covered by a U.S. patent. The invention must have contributed greatly to the national welfare and significantly promoted progress in science and the useful arts. Nomination documents are available at <http://www.invent.org>.

CP&RM also prepares ACS nominations for the National Medal of Technology. Administered by the U.S. Department of Commerce, the National Medal of Technology is awarded to U.S.-owned companies and U.S. citizens for innovation and the advancement of the nation's global competitiveness through the commercialization of technology, the creation of jobs, or improved productivity. Information about the criteria and nomination forms for the Medal are available at <http://www.ta.doc.gov/Medal>.

If you would like to make a recommendation for consideration as an ACS nominee for these prestigious awards, please forward nomination materials to the CP&RM staff liaison Debbie Fillinich, American Chemical Society, 1155 Sixteenth Street, NW, Washington, DC, 20036, call 202/872-4476, or email [d\\_fillinich@acs.org](mailto:d_fillinich@acs.org). Nominations are due on March 1.

### THE COLLEGE OF NOTRE DAME OF MARYLAND

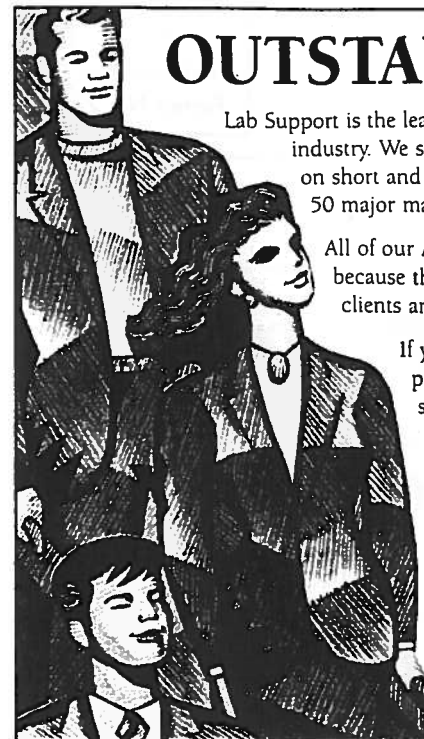
Shirish Shah has recently noted, with a certain amount of satisfaction, that the College of Notre Dame has contributed much to the ACS Maryland Section over the years. In the early to mid '70s the Section gradually moved its primary meeting site from Martin's Eudowood to CND, and CND continues to be a primary location for both our dinner meetings and our executive committee meetings.

Shirish notes especially such faculty contributors, besides himself, of course, as Sister Mary Vincent, Kris Kirk and Steve Gregory and former students Kathleen Thompson, Linh Cheong and Amanda Miller. He also notes additional contributors Angela Sherman, Alfred D'Agostino and Amanda Miller's family.

In addition to the chemist volunteers, we owe our gratitude to CND's housekeeping and secretarial staffs, lab manager, catering services and students. We look forward to our continuing relationship with CND.

### CHEMISTRY NOBEL AWARDED

We didn't read it in *The Sun*, but the 2000 Nobel Prize in Chemistry was announced in early October for work in developing electrically conductive organic polymers. In a Nobel summary at week's end *The Sun* did list the winners along with the winners of the other Nobels, but without further comment. The chemistry winners were Alan G. MacDiarmid of the University of Pennsylvania, Alan J. Heeger of the University of California, Santa Barbara, and Hideki Shirikawa of the University of Tsukuba in Japan. Much of their achievement was made while they were together at Penn in 1977.

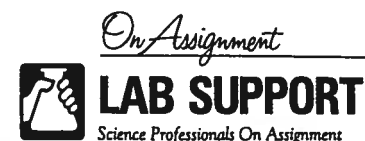


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At the picnic

Bouchers and Greenbergs



Linh Cheong and family

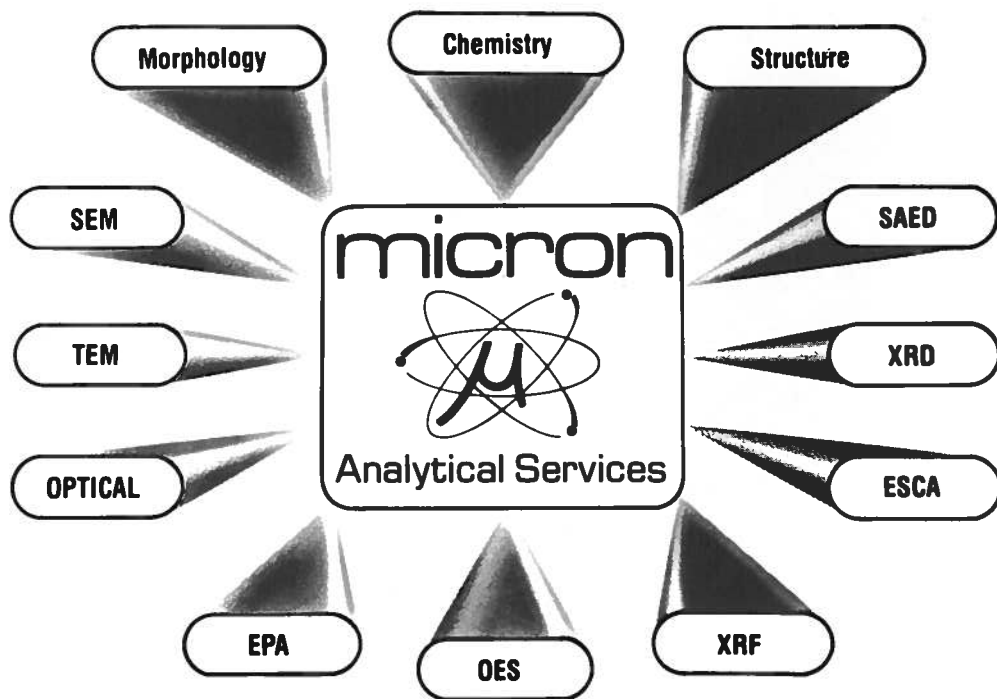
The Silversmiths

-photos by Kathleen  
Long Shah

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#### STUDENT AFFILIATES CHAPTER AWARDS

The ACS Committee on Education has recognized student affiliate chapters on the basis of descriptions of their programs and activities reported in their annual reports for the 1999-2000 academic year. Selected as outstanding were 31 chapters, while 58 were designated commendable and 67 were awarded honorable mention.

The chapters will be honored on April 1, 2001, at the Student Affiliate Chapter Awards Ceremony at the ACS national meeting in San Diego.

Three chapters in the Maryland Section were selected for honors. With chapter presidents and faculty advisers they were: commendable Anne Arundel Community College, Noreen Zaman, June Bronfenbrenner; honorable mention Loyola College in Maryland, Kerry Ann O'Connor, Kimberly Olsen; honorable mention Morgan State University, Suazette Reid, Louise Hellwig.