



THE **CHESAPEAKE
CHEMIST**

**MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY**

VOL. XL

JAN.-FEB., 1984

NUMBER 1-2



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THE PHYLLIDA WILLIS LECTURE

The Department of Chemistry, Physics and Astronomy of Hood College in Frederick is sponsoring its first Phyllida Willis Lecture on Thursday, February 16, at 8:00 pm in the Rosenstock Auditorium. The lecturer will be Dr. Anna J. Harrison, President of the American Association for the Advancement of Science and past President of the ACS. She will speak on "Science, Scientists and Society". A reception will follow the lecture.

MARYLAND SECTION FUTURE PROGRAM

DATE AND LOCATION	SPEAKER	TOPIC
March 28, 1984 Aquarium in Baltimore	Aquarium Staff Member	Artificial Sea Water
April 25, 1984 West. Maryland College	Basam Shakhashiri U. of Wisconsin	New Ideas and Exhortations for Using Chemical Demon- strations
May , 1984 Johns Hopkins	Remsen Award	

POLYMER WORKSHOPS

The ACS Division of Polymeric Materials is sponsoring a number of symposia in St. Louis beginning April 9. These symposia will be preceded by two workshops on Sunday, April 8. Information on one of these workshops, dealing with polymer characterization by infrared spectroscopy, can be obtained by calling Priscilla Bancroft at (314) 962-5752, while information on the other, concerned with lithographic materials and processing, is available from Bonnie Cahill at (201) 582-2313.

DEFERRAL OF LIFE INSURANCE PREMIUM

The Board of Trustees, Group Insurance Plans for ACS Members has recently approved a program of deferral of premium payments for participants in the ACS life plan who are unemployed and receiving deferral of ACS dues. The rules of eligibility for this new program will be the same as the ACS plan for dues deferral of unemployed members.

If you wish further information, please write to Ms. D. Fillinich, ACS insurance office at the National Headquarters.

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THE CHESAPEAKE CHEMIST STAFF

Raymond C. Petersen.....Editor
9329 Joey Drive
Ellicott City, MD 21043
465-8520

Joseph Topping.....Associate Editor
Department of Chemistry
Towson State University
Towson, MD 21204
321-3056

Alan Harmon.....Business Manager
McCormick & Co., Inc.
Hunt Valley, MD 21031
667-7480

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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.

Alan D. Adler, Professor of Chemistry at Western Connecticut State University, completed his B.S. degree at the University of Rochester in 1953 and his Ph.D. at the University of Pennsylvania in 1960. He was an Assistant Professor of Molecular Biology at the University of Pennsylvania until 1967, when he took a position of Senior Staff Scientist at the New England Institute in Ridgefield, Conn., where he subsequently assumed the chairmanship of the Chemical Sciences Division. In 1974 he joined the faculty at WestConn. His research and publications have dealt mainly with the biophysical chemistry of porphyrinic materials. The work has been very interdisciplinary, extending from photovoltaic studies of porphyrin films, through mechanistic synthetic studies, to the roles of heme proteins in nitrite pollution problems. His present research is centered on photoelectrochemical studies of porphyrins, chlorins and related materials. Since late 1979 he has been a member of the group investigating the Shroud of Turin. He is a member of the ACS, APS, AAAS, NYAS, Amer. Assoc. Clin. Chem., Amer. Soc. Photobiol., and Sigma Xi.

SCIENTIFIC INVESTIGATIONS OF THE SHROUD OF TURIN

A series of physical and chemical studies have been carried out by a group of various investigators on the "Shroud of Turin" directly and, also, on "sticky" tape samples taken from it. The presence of real blood in the blood image areas has been established. Further studies indicate that the image is not due to pigments, stains, or dyes - but is due simply to enhanced oxidation and dehydration of the cellulose structure of the linen in the image areas compared to the non-image areas. However, the mechanism by which the image was produced has still not been unequivocally identified.

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 may be in pure or applied chemistry, chemical engineering or chemical education.

Lack of space in last month's issue of *The Chesapeake Chemist* prevented the recognition of previous Maryland Chemist Award recipients at that time. We atone for this omission by listing all of the awardees below:

1962 Dr. E. Emmet Reid	1973 Dr. Lester P. Kuhn
1963 Dr. W. Mansfield Clark	1974 Dr. Joyce J. Kaufman
1964 Dr. Alsoph H. Corwin	1975 Dr. Benjamin Witten
1965 Dr. John C. Krantz, Jr.	1976 Dr. Richard L. Hall
1966 Dr. Belle O. Talbot	1977 Dr. Henry C. Freimuth
1967 Dr. Walter S. Koski	1978 Dr. Gunther L. Eichorn
1968 Dr. George L. Braude	1979 Dr. Emil H. White
1969 Dr. Leslie Hellerman	1980 Dr. M. Gali Sanchez
1970 Dr. Paul H. Emmett	1981 Dr. Paul O. P. Ts'o
1971 Dr. Giles B. Cooke	1982 Dr. Joseph L. Katz
1972 Dr. Arnold M. Seligman	1983 Dr. Shih-Yi Wang

We might also note that it is not too early to begin thinking about next year. Chairman Ernest Silversmith of the Awards Committee will be pleased to receive your nominations.

CHANGES OF ADDRESS

It is not necessary to notify *The Chesapeake Chemist* of address changes. We get our mailing labels each month from the ACS, so if you inform the ACS of your address change we will automatically receive the correct label.

FEBRUARY MEETING



DR. ALAN ADLER

DATE:

Wednesday, February 15, 1984

PLACE:

Knott Science Center
(Cocktails and dinner in the Doyle
Building dining room)
The College of Notre Dame of
Maryland
North Charles Street
Baltimore

RESERVATIONS:

Dinner reservations are necessary
and should be made by mailing
checks to

Nolan Phillips
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SCHEDULE:

6:30 Social Hour

7:15 Dinner

8:15 Dr. Alan Adler
Western Connecticut State
University
"Scientific Investigations of
the Shroud of Turin"

Dinner price \$10.00 per person, but
students and retired chemists may
attend the dinner for \$8.00

by February 6. Checks should be
payable to Maryland Section of ACS.
Late reservations may be made by
calling Cheryl Manger (x358) or
Linh Cheong (x 208) at

(301) 355-3600

by February 9.

It is not necessary to be a member of the American Chemical Society to attend.
You may attend the lecture without attending the dinner.

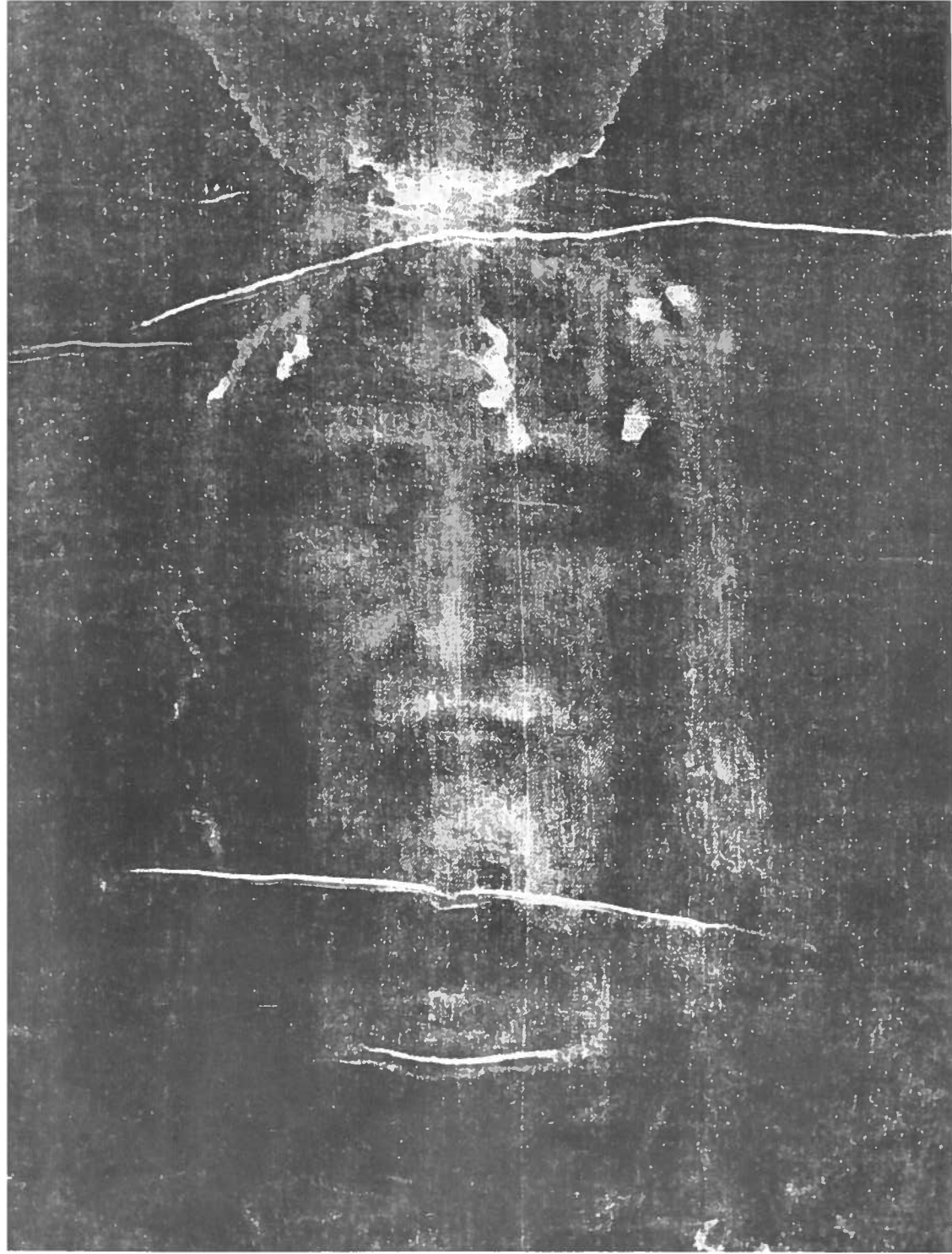
REMSEN AWARDS AND NOBEL PRIZES

Last April we noted that the list of Remsen Award recipients included the names of twelve Nobel Laureates. Recognizing that even we might have missed one, we challenged our readers to find thirteen. The lack of response suggested that there were, indeed, just twelve. A more satisfying response was received in October, with the selection of Henry Taube (Remsen Award 1975) to receive the 1983 Nobel Prize in Chemistry.

NEW EXTENDED HOSPITAL INDEMNITY PROGRAM

The Board of Insurance Trustees recently approved a new extended hospital indemnity (cash) plan. The plan is available, regardless of health, to all ACS members under age 65, spouses, and dependent children. The maximum benefit is \$200 per day while hospitalized (\$100 for participants age 65 and over) and is payable (regardless of any other insurance one may have) from the first day of hospitalization. This plan is separate from the ACS life insurance plan. The plan is underwritten and administered by Connecticut General Life Insurance Company.

For a copy of the brochure/application, please contact Ms. Fillinich in the ACS insurance office at (202) 452-8911.



Face from the Shroud of Turin
 Courtesy of the Holy Shroud Guild, Esopus, NY

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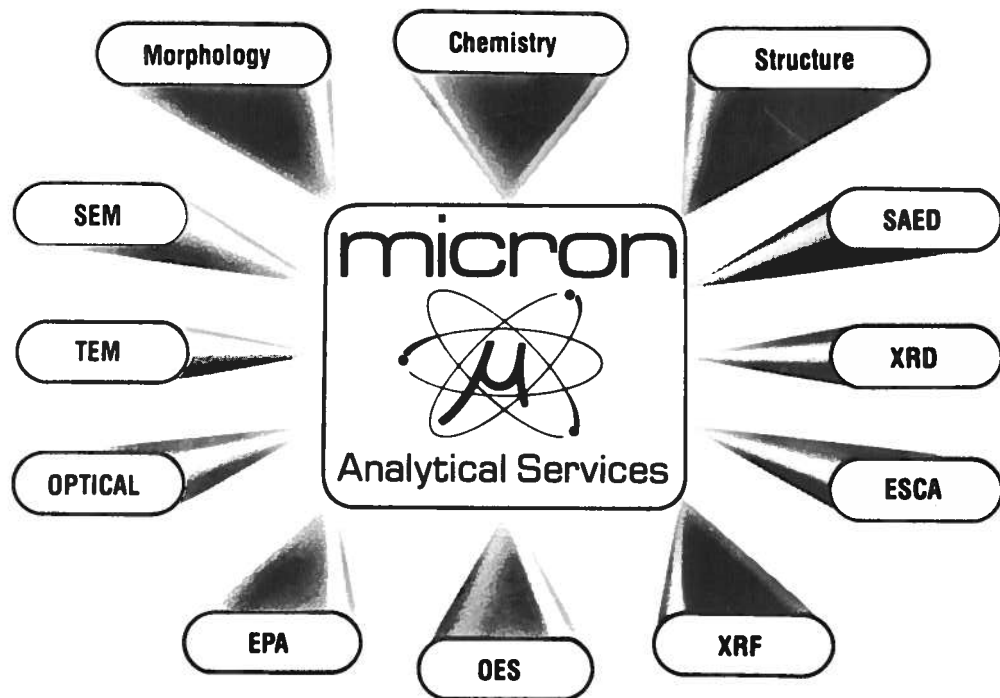
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