



THE

CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

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NUMBER 3





The Maryland Section of the American Chemical Society will sponsor a one day short course on WLN to be held at Notre Dame College in Baltimore.

Subject: Wiswesser Line Notation (WLN). WLN is a relatively new chemical information tool that enables you to describe the structure of chemical compounds with unique, unambiguous, linear sequences of letters and numerals. It is believed by many to be the most efficient method of providing chemical structure input for both manual and computer based chemical information systems. Already in use in about 100 organizations in the United States and abroad, well over a million compounds have been coded in WLN. The course is designed to teach chemists and information specialists the fundamentals of coding in WLN and areas of application to such practical problems as compound inventory control, substructure searches, structure-activity searches, etc.

Lecturer: Charles E. Granito, President of C G Associates. Mr. Granito has been involved in the development and application of WLN for over 10 years. He has collaborated in writing the revised manual on WLN (McGraw Hill) and has produced a number of computer programs for searching WLN. He has also given numerous WLN courses during the past few years, both here in the U.S. and in Europe.

Where and When: Notre Dame College (Knott Science Center), 4701 N. Charles Street, Baltimore, Maryland. Saturday, April 19, 1975. 9:00 A.M. to 4:00 P.M.

Registration: Registration fees will be \$10.00 for employed chemists and \$5.00 for students, retired chemists and unemployed chemists. Registration fees will include lunch, refreshments and course materials. Registration must be in advance. Send check, payable to Maryland Section, ACS, along with your name, address and telephone number to:

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366-3300
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323-1010
Program.....John Kolbe
247-0700
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671-3296
Ronald Kassel
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Remsen Award.....Brown Murr
366-3300
MARM - 1978.....William Galetto
667-7481
Finance.....William Stahl
667-7474

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THE COVER PHOTO
BY
FRED L. APPEL

The Chesapeake Chemist is published monthly September through May by the Maryland Section of the American Chemical Society. Address editorial comments to Howard J. Cohen, Glidden-Durkee, Div. of SCM Corp., 3901 Hawkins Point Road, Baltimore, Md. 21226. Phone 633-6400. Address advertising inquiries and copy to Kent R. Zeller, McCormick & Co., Inc., 204 Wight Ave., Hunt Valley, Md. 21031.

EXECUTIVE COMMITTEE MINUTES

Minutes of the Executive Committee Meeting of the Maryland Section of the American Chemical Society held on January 9, 1975 at McCormick and Co., Inc. Present: A. Bednarczyk, F. Blankenship, P. Callery, Y. Caplan, J. Cogliano, E. Freedman, W. Galetto, F. Hummel, D. Jones, R. Kassel, N. Klein, J. Kolbe, J. Leslie, C. Minnier, E. Silversmith, T. Simmons.

The meeting was called to order by the Chairman, A. Bednarczyk at 8:05 p.m.

The minutes of the meeting of September 30, 1974 were approved as reported in the November, 1974 issue of the Chesapeake Chemist.

The treasurer's report was presented by E. Silversmith. The report showed a cash balance of \$7,446.93. It was pointed out that the Section operated at a loss of a few hundred dollars during 1974.

A. Bednarczyk reported for M. Miller for the Education Committee. About \$125 was now in the Giles Cooke Memorial Fund which will be used to sponsor an ACS Short Course on the Wiswesser Line Notation in the spring, probably at Notre Dame College. The Committee noted that the fee for this short course would be \$10 for members, and \$5 for students, retired chemists, and unemployed chemists. It was announced that the Education Committee would organize another short course in the Fall, and that the Committee is planning to maintain a library of short courses to be made available to interested parties. The Education Committee is also planning increased liaison with high schools, colleges and industrial companies and is looking for volunteers to help with this.

The Committee approved the use of the Section mailing list by the Chemistry Dept. at Towson State College to mail information about winter and spring chemistry courses. This was to be a one-time use only with all expenses to be borne by Towson State College.

A. Bednarczyk reported for the Chesapeake Chemist. After some discussion on the financial operation of the Chemist, the Committee voted \$1500 to be used at the discretion of the Chairman and Treasurer for expenses incurred in the publication of the Chesapeake Chemist.

The Committee voted approval of W. Galetto as Chairman of the 1978 MARM Committee.

After suggestions were made on how a list of potential members supplied by ACS could be utilized for recruiting new members, the Committee voted \$100 to be used by the Membership Committee for recruitment of new members.

For the Public Relations Committee C. Minnier suggested that John Franklin of the Evening Sun be invited to future meetings of the Section and possibly as a speaker on next year's program. These suggestions were noted by the Program Chairman.

The Remsen Award recipient for 1975 had not yet been chosen. The Chairman pointed out that this would have to be done soon.

The Program Chairmen, A. Bednarczyk and J. Kolbe, reported that the program had been planned through May and suggestions were requested for speakers to be included in next year's program. It was suggested by C. Minnier that a short summary and bibliography for each talk would be appreciated by some members.

A. Bednarczyk noted that since the Section was listed as co-sponsor of the Professional Development Program of the Society for Applied Spectroscopy, the Section might be more active in promoting these programs.

A number of announcements were made. The ACS had authorized a Student Affiliate Chapter at Towson State College and it was agreed that the Chairman of the Chemistry Dept. and the Faculty Advisor of the Chapter should be guests of the Section at the February meeting, at which time the certificate would be presented. The chemistry program at Western Maryland College had been certified recently by the ACS. The Section was organizing a service whereby anyone desiring chemical services could be referred to a suitable source for the service.

The Committee authorized the reimbursement of expenses incurred by D. Jones by his attendance at a meeting of the MARM steering committee.

The Committee delegated the selection of the Maryland Section nominee for the E. Emmet Reid Award to the Awards Committee who would forward their choice to the Regional Awards Committee.

The meeting adjourned at 9:55 p.m.

Respectfully submitted,
James Leslie, Secretary

MARCH MEETING

DATE:

Wednesday, March 19, 1975

PLACE:

Eudowood Gardens Lecture Room,
Eudowood Plaza, Joppa Road near
Goucher Boulevard

SPEAKERS AND TOPICS:

5:30 pm
Dr. Thomas Toug, JHU School of
Medicine
"Acupuncture"

8:30 pm
Dr. G. Melville Williams,
JHU Hospital
"Organ Transplants: Biochemistry
of Rejection"

SOCIAL HOUR:

There will be a social hour after
the meeting. Refreshments will be
served.



DR. G. MELVILLE WILLIAMS

COCKTAILS AND DINNER:

Eudowood Gardens Dining Room.
Cocktails 6:30 - 7:15 courtesy of
Fisher Scientific Company
Hot buffet dinner (7:15) \$5.50
per person. Retired chemists,
students, and their spouses may
attend the dinner at \$3.50 each.
Reservations are necessary for the
dinner and should be made by
mail or phone with

ACS Reservations
c/o Dr. Allen Bednarczyk
McCormick and Co., Inc.
204 Wight Avenue
Hunt Valley, Maryland 21030
(Use form on p. 6)

Phone 667-7480, 667-7470
ASK FOR ACS RESERVATIONS

It is not necessary to be a member
of the American Chemical Society
to attend the dinner or the talks.
The talks may be attended without
attending the dinner. You are
invited to bring your spouse and
friends to both the dinner and the
meeting.



DR. THOMAS TOUNG

DR. THOMAS TOUNG

Thomas Toung was born in Shin-Chu, Taiwan, Republic of China on May 20, 1934. He received his undergraduate training at the College of Science, National Taiwan University in Taiwan and received his M.D. from the College of Medicine, National Taiwan University in 1960. After two years of surgical internship and two years as Surgical Resident at the National Taiwan University Hospital, Dr. Toung accepted the position as Clinical Fellow in Surgery at the Mass. General Hospital in Boston. In 1966, he joined the staff of St. Francis Hospital in Wichita, Kansas as an Orthopedic Resident and became an Assistant Resident in Anesthesiology at Johns Hopkins Hospital in 1967.

In 1969, Dr. Toung was appointed Anesthesiologist at Hopkins, a position he presently holds. From 1969 to 1971, Dr. Toung held the position of Instructor in Anesthesiology at the Johns Hopkins University School of Medicine, and in 1971 was promoted to his present position as Assistant Professor-Anesthesiology.

In 1968, Dr. Toung was elected Fellow of the American College of Anesthesiologists and in 1970 was elected Diplomate of the American Board of Anesthesiology. Since 1973, Dr. Toung has directed the research of the Acupuncture and Pain Program in the Pain Clinic at Hopkins and is presently responsible for acupuncture treatments at Hopkins.

ACUPUNCTURE

Acupuncture is part of the Chinese medical system. The practice of acupuncture is based on the theories of energy flow in the body and Yin-Yang principle of ancient Chinese philosophy of life. During centuries of experimentation and practice, meridians, through which the energy flow on the body surface was outlined, and the sensitive points along these meridians were located. By inserting a needle to these points and with the help of herbs, it was hoped to restore the normalization of all systems in the body.

Many scientific theories have been propounded to explain the mode of actions of acupuncture. Among these, Gate control theory and its variations seems most widely accepted. Modernized acupuncture has employed neurometer device to measure the electrical conductivity of skin as well as to apply electricity through the acupuncture needle. The meridians outlined in the classical acupuncture chart were either on or very close to the major nerve pathways. There are certain technical similarities between some of the neurosurgical procedures employed for pain control and acupuncture.

Acupuncture can be considered as a non-specific stimulation therapy for human body and its prime therapeutic value seems to be in the management of functional disturbances.

DR. G. Melville Williams

G. Melville Williams was born in Soochow, China on November 16, 1930. He received his A.B. degree from Oberlin College in 1953 and his M.D. from Harvard Medical School in 1957. He took his Surgical Internship (1957-58) and Residency (1958-60 and 1962-64) at Massachusetts General Hospital. From 1960 to 1962, he was a surgeon in the U.S. Army stationed in Iran. From 1964-65, he was a Special Fellow of the National Institute of Health, Walter and Eliza Hall Institute in Melbourne, Australia.

In 1965, Dr. Williams accepted a position of Surgeon/Instructor in Surgery at the Medical College of Virginia in Richmond where he later held the positions of Assistant Professor (1966-67), Associate Professor (1967-68) and Professor of Surgery (1968-69). From 1966 to 1969, he also held the position of Director of Surgical Research at the Medical College of Virginia. In 1969, Dr. Williams accepted his present position as Professor of Surgery at the Johns Hopkins University School of Medicine and Surgeon at the Johns Hopkins Hospital. From 1969-1973, he was Chief of Surgery at the Good Samaritan Hospital in Baltimore and in 1973 was appointed Chief of the Division of Transplantation at the Johns Hopkins Hospital.

Dr. Williams is a member of Phi Beta Kappa, Sigma Xi and numerous medical societies including the American Society of Nephrology, International Transplantation Society, Kidney Foundation of Maryland, American College of Surgeons (Fellow) and the Society of University Surgeons. Dr. Williams has sixty publications in his major areas of research, immunology and transplantation biology.

LIVE OR LET DIE
(Organ Transplants)

Over 200 kidney transplants have been done by the Johns Hopkins Medical Institutions. The five year cure rate surpasses that of surgery for all malignant tumors, if the transplant comes from a blood relative. If the transplant comes from a cadaver donor, the five year success is still greater than that achieved with surgery for cancer of the lung, esophagus, stomach and pancreas. Considered in these terms, kidney transplantation can no longer be considered an experimental but a therapeutic modality.

Yet, much remains mystical. Those of us performing transplants still have no idea why certain grafts are well accepted while others are rejected violently. Better matching through tissue typing and better immunosuppression have not improved results as much as hoped. Treatment remains largely empirical, and we now know that true tolerance to the transplanted organ is not achieved but rather a tenuous equilibrium is produced in successful cases. The most exciting aspect of transplanta-

tion today is not the anticipation of a sudden breakthrough but rather the hope that very basic questions in science and ethics can be answered.

Kidney transplantation will continue to contribute to our understanding of the important role of the kidney in the production of hypertension; of the causes and virulence of naturally occurring kidney disease; to the reasons why cancers spread; and finally, to concepts of responsibilities of the dead to the living.

FORENSIC SCIENTISTS

The Mid-Atlantic Association of Forensic Scientists are holding their spring meeting on April 25 and 26, 1975 at the Baltimore Hilton Hotel. There will be as part of the program a symposium on the posture and characterization of the expert witness in the courtroom. There will also be a symposium on the analysis of drugs. For further information contact:

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Dr. Sanford Markey
National Institute of Mental Health
Bethesda, Maryland

Time: 8:00 P.M. March 27, 1975

Place: Hewlett Packard
Rockville, Maryland

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There is enclosed \$ (\$5.50 per person)* for dinner reservations at Eudowood Caterers, Eudowood Plaza, for the following persons.**

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**Return by Friday preceeding next meeting.

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