



THE CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XXXII

SEPTEMBER, 1976

NUMBER 6

DATE:

Wednesday, September 15, 1976

PLACE:

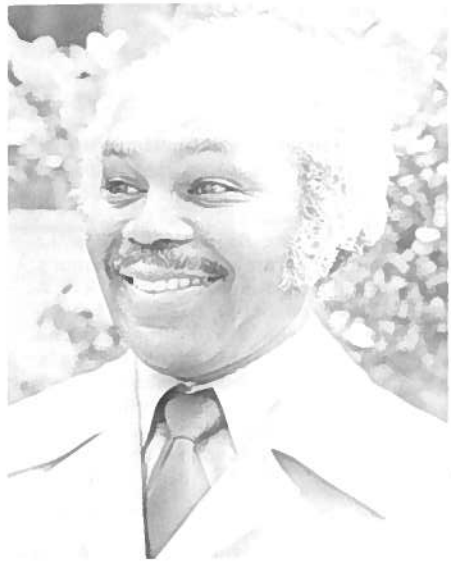
Eudowood Gardens Lecture Room
Eudowood Plaza, Joppa Road near
Goucher Boulevard

COCKTAILS AND DINNER:

See back cover.

SOCIAL HOUR:

After the meeting. Refreshments
will be served.



JOSEPH JENKINS



ANNA J. HARRISON

SPEAKERS & TOPICS:

5:30 pm
Mr. Joseph Jenkins
Head, Science Department
Lake Clifton Senior High School
'The Lake Clifton Approach to
Science Education'

8:30pm
Dr. Anna J. Harrison
Mt. Holyoke College
'What Does the Public Have the
Right to Expect of Chemical
Education'



THE CHESAPEAKE CHEMIST

MESSAGE FROM THE PROGRAM CHAIRMAN

Welcome back! I trust you have had a pleasant and relaxing summer, and are ready to participate in the Maryland Section's 1976-77 program. We have lined up speakers for our monthly meetings who are experts in a variety of important areas. The meetings are sure to be stimulating, thought-provoking, informative, and entertaining. A complete list is printed elsewhere in this issue; please clip it out, put it in a prominent place and RESERVE THE DATES NOW. Let me give you some details about the first few meetings.

This month's meeting (on September 15) will deal with Chemical Education. There has been a lot of interest and concern about high school as well as college education in chemistry (just look over any issue of *C & EN!*), so we will have speakers from both of these areas. Mr. Joseph Jenkins, Head of the Science Department at Baltimore's Lake Clifton High School, has had many years of experience as teacher as well as administrator in science education. Lake Clifton has been in the news for instituting pre-graduation examinations, and their science students are earning many scholarships and other honors. Mr. Jenkin's message will be timely and thought-provoking.

To discuss college-level chemical education, we have no less an authority than Dr. Anna J. Harrison of Mount Holyoke College, the recent Chairperson of the Division of Chemical Education of the ACS. She is in the midst of a very distinguished teaching career. She is a member of the ACS's Editorial Board, has won many honors, and is one of the country's outstanding chemical educators. Don't miss this program!

The October meeting is devoted to one of the most urgent and challenging environmental problems chemists have ever faced. It has been suggested that fluorocarbons, extensively used as aerosol propellants and refrigerants, may decrease the amount of ozone in the outer atmosphere, allowing more harmful sunlight to reach the earth. As you know, this problem has been extensively publicized through the media. To bring us the most recent information on this matter, we will have representatives from the DuPont Company (a leading manufacturer of fluorocarbons) and from the academic world. Dr. Richard Ward of DuPont is Editor of a monthly bulletin, "Science Update: Fluorocarbon/Ozone," and he has lectured extensively on this topic. Dr. Douglas Davis of Georgia Institute of Technology (previously at the University of Maryland--College Park) has an active research effort in this area. Both are obviously experts, and they will bring us up-to-date on this important issue.

The November meeting will be our (more or less) annual "Family Night," devoted to a scientific topic of general interest. This time, the topic will be "Outer Space." The 5:30 speaker, Mr. William Corliss, is a physicist and science writer who has been fascinated for years by mysterious phenomena in the atmosphere such as Unidentified Flying Objects ("UFO's"). He has become a real expert in this area and has written a number of books and pamphlets on it. His will be an entertaining and fascinating talk. At 8:30 we will get the latest scoop on possible life on other planets from NASA's Dr. Richard Young, who is deeply involved in the Viking landing on Mars. This mission is, as you know, a high point of the bicentennial celebration, and Dr. Young spent the summer at the Jet Propulsion Laboratory in Pasadena, the primary data collecting point. He was featured prominently in *Newsweek's* June 21 story, "The Quest for Life on Mars." This is a rare opportunity for us to learn about a topic that has been fascinating science fiction buffs and scientists for many years. Make plans to bring your family and friends to this one.

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VOL. XXXII

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LETTER TO THE EDITOR

Dear Editor:

The Health Sciences Library receives *The Chesapeake Chemist* as a gift. We appreciate receiving this title but are puzzled by the numbering of issues for 1976.

Volume 31 was published for 1975--this was fine! However, beginning 1976 the numbers are as follows: Jan., 1976--v. 32, #1; Feb., 1976--v. 33, #2; Mar., 1976--v. 34, #3; Apr., 1976--v. 35, #4; May, 1976--v. 36, #5.

We hope you will return to the old system of just having one volume a year.

We hope you accept this as constructive criticism--we do like the journal--we are just having trouble with the numbers.

(Mrs.) L. Hlavin

Serials Dept., Health Sciences Library
University of Maryland at Baltimore

(Editor's Note: Talk about double digit inflation! Note correct vol. number on the cover of this issue.)

The Chesapeake Chemist is published monthly September through May by the Maryland Section of the American Chemical Society. Address editorial comments to Eli Freedman, 2411 Diana Road, Baltimore, Md. 21209. Send advertising copy and inquiries to Kent R. Zeller, McCormick and Co., Inc., 204 Wight Avenue, Hunt Valley, Md. 21031. 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.

JOSEPH F. JENKINS

Joseph F. Jenkins observed high school education from the student's side of the desk in New York City. He attended Howard University (B.S., 1949) and Columbia University (M.A., 1954).

Mr. Jenkins has had an extensive and impressive career as both a teacher and an educator, starting in 1949 when he joined the Baltimore City school system. From 1949 to 1971 he was a classroom teacher at several schools, teaching mainly general science. From 1966 to 1971, he taught physics at the Baltimore Polytechnic Institute and at Western High School (1968-1970).

From 1969 to 1974, he was an assistant professor of education at Coppin State College as well as a science instructor at the Community College of Baltimore (1969-1971).

In 1972, he rejoined the Baltimore City schools as acting principal at Lake Clifton Senior High School, where he is currently the Head of the Department of Science.

Mr. Jenkins has also had extensive experience in curriculum development and has served on numerous city-wide committees. He was an NSF Fellow from 1960 to 1964. He is an active amateur radio operator of station W3JPG.

SCIENCE EDUCATION AT THE MAGNIFICENT LAKE CLIFTON

Every educational institution has a story to tell. Some of these are interesting, boring and great. We happen to think that our story is great.

The school under the capable leadership of Mrs. Annette C. Johnson opened September, 1971, in the midst of building materials, trash, dust, incomplete sections of the building, and a young basically inexperienced staff, many of whom were castoffs from other schools. In spite of all of this, the school opened and immediately began to make inroads into the world of education.

The months that followed saw the development of a school philosophy that served as the impetus for the development of a philosophy in each department. The school prospered and reached some of its potential.

Very soon confusion developed between the School Board and the Superintendent. Several years of neglect and tight budgets eradicated most of the good things that had been developed at the school.

Due to poor health, Mrs. Annette C. Johnson was forced to retire, thus completing a deadly cycle of administrative change.

September, 1975, ushered in a new principal who took a long hard look at the school. Mr. Boyse Moseley, the new principal, made it clear that Lake Clifton would be known as "The Magnificent Lake Clifton," and almost immediately began the following:

- *selected the best that the original school had to offer educationally and discarded the rest;
- *installed a teaching by objectives program for teachers;
- *instituted a curriculum revitalization program;
- *changed the school from the quarter system to the semester system;
- *made a vigorous attack on the reading difficulties of our students;
- *revamped the approach to what should be taught in English;

...continued on p. 11

THE CHESAPEAKE CHEMIST

ANNA J. HARRISON

Anna J. Harrison is a native of Benton City, Missouri. After receiving her A.B. degree at the University of Missouri in 1933, she was a school teacher for two years in rural Missouri. She then returned to the University of Missouri (B.S., 1935, M.A., 1937, and Ph.D., 1940).

Her outstanding career as a chemical educator started at the Sophie Newcomb College of Tulane University (instructor, 1940-1942, assistant professor, 1942-1945), and continued at Mt. Holyoke College, where she has been a professor since 1950. From 1960 to 1966, she was Chairman of the Mt. Holyoke Department of Chemistry.

Her research interests are in molecular spectroscopy and photolysis in the UV and far UV regions of the spectrum, on which she has published a number of papers. She did research on flash photolysis at Cambridge University in 1952-53, and was a research associate of the National Research Council of Canada in 1959-60.

Dr. Harrison has been very active in the affairs of the ACS, and will be a candidate for President-Elect of the Society in 1976.

Among her honors are the Frank Forest Award of the American Ceramic Society for the outstanding publication of 1949 in the field of glass technology, the Manufacturing Chemists Association Award in College Teaching (1969), and honorary D.Sc. degrees from Tulane (1975) and Smith College (1975).

WHAT DOES SOCIETY HAVE A RIGHT TO EXPECT OF CHEMICAL EDUCATION?

The public is becoming increasingly concerned about the relation of science and scientists to society. This topic will be explored in terms of what chemists do and what chemists might do.

What goes on in teaching *enhances* and also *limits* the capacity 1) of chemists to contribute to society and 2) of the public to perceive the role of chemistry in a technological society. For those of us who teach, the fundamental challenges are to maximize the enhancement of these capacities while minimizing the limitations placed upon these capacities.

We have been diligent in our endeavors to teach what we decided was best to teach and it is only recently that we have begun to ask what does the public want to know? What does the public expect of chemistry and chemists? It is these questions that I want to explore with you. When we understand the answer to these questions we will be on the way to discovering the basis of the dichotomy between those who become scientists and those who do not.

...concluded from p. 8

In old business the Chairman acting on a request from T. Parr agreed to ascertain the status of a report on a recent meeting on the long range goals of the Section.

In new business the Committee approved an expenditure up to \$100 for Section stationery to be designed by C. Minnier in conjunction with the Secretary; and Chairman agreed to form a Nominating Committee for the Section's 1977 officers and councilors.

The meeting adjourned at 11:00 p.m.

Respectfully submitted,
James Leslie
Secretary

SEPTEMBER, 1976

YOUR COUNCILOR'S REPORT

The Council met in a rather brief session at the Spring Meeting in New York City, since it had been determined that the Centennial ceremonies would take precedence. Among the items up for Council action were:

	My Vote	Council Action
1) An amendment of the ACS By-laws to permit Councilor status for those members of the Committee on Committees until their term is up.	yes	yes
2) Dues waiver for disabled members	yes	yes

In addition to the Council session, I attended the meeting of the Committee on Local Section Activities (LSAC) of which I am an associate member, and the executive session of the Committee on Public Relations of which I am a member.

With respect to the LSAC, I have been serving on a subcommittee examining the attitude of the A. D. Little Report toward the Local Sections. Other members of the subcommittee are Richard Carney (Ciba-Geigy), chairman; Alan Clifford (VPI); Oscar Rodig (U. of Va.); David Venezky (Naval Research Lab); and Halley Merrell (ACS Staff). We have met at National Headquarters for two all-day sessions. On February 14, we discussed the need for and the objectives of Local Sections; on May 15, we examined the question of Local Section representation. I would like to share with you several of my impressions of the A. D. Little Report with respect to the Local Sections.

The A. D. Little Report does not seem to appreciate the real contributions of the Local Section to the Society as a whole. In fact, it adopts a negative attitude toward them. In addition, there seems to be a feeling on the part of some ACS members that the scientific aspects of the Society have not been adequately represented as of late. This has resulted in a movement to change the method of representation allotment between the geographical regions (Local Sections) and "scientific interests" (Divisions). According to the current rules, the 450 councilors are divided into 359 from the Local Sections using the divisor 325, 56 from the 28 discipline-oriented Divisions, and 35 others. Those who find the present situation unsatisfactory have proposed a number of changes which would increase the Divisional representation at the expense of the Local Sections, most likely by increasing the divisor used for determining the Local Section representation and introducing a divisor for the Divisions themselves. As it stands now, the Division of Organic Chemistry with 4,840 members has the same representation as the Division of the History of Chemistry with 238 members. Any rearrangement of the apportionment of the Councilors will bring its own new problems. I hope that no hasty and drastic action will be taken on this matter.

Needless to say, I would appreciate hearing your views on this or any other matter.

Carl E. Minnier
Essex Community College

...concluded from p. 2

At the December meeting, we will honor (and be privileged to hear) our Maryland Chemist of the Year. This meeting will be held at the College of Notre Dame, and it will be a fine finish to the 1976 part of our program. I'll talk about the 1977 portion in a future column. See you on September 15!

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FALL SESSION-1976

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FALL SESSION—1976
PRACTICAL LIQUID CHROMATOGRAPHY

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University of Maryland

* * * * *

Executive Secretary—Kenneth A. Rayburn
University of Maryland

* * * * *

Technical Coordinator—W. May
National Bureau of Standards



REGISTRATION

Registration is limited and will be closed October 15, 1976. Requests for applications and additional information should be sent to:

Kenneth A. Rayburn
or call
(301) 730-6995 (Home)
(301) 454-4610 (Office)



Time: 9:00 A.M. to 4:00 P.M.

Place: The Other Barn
Oakland Mills Village Center
Columbia, Maryland



Directions and a map will be furnished with registration confirmation.

TECHNICAL INFORMATION

The Baltimore-Washington Section of the Society for Applied Spectroscopy in collaboration with the Maryland Section of the American Chemical Society and the Chemical Society of Washington is continuing the Professional Development Program for Scientists in the Baltimore-Washington area.

This is an introductory course in practical liquid chromatography for research workers, lab technicians and students who have had little actual laboratory experience in liquid chromatography.

A Certificate of Award for the session will be awarded to participants upon completion of the session.

A buffet style luncheon and the textbook are included in the cost of the course. The text is *Basic Liquid Chromatography* by Varian.



FEES

Member Baltimore-Washington	\$60.00
Section, SAS	
Member Maryland Section, ACS	\$60.00
Member Chemical Society of	\$60.00
Washington, ACS	
Non-Member	\$70.00

Please Make All Checks Payable to PDP.

KENNETH S. WHITE

Lt.-Col. Kenneth S. White died on March 21, 1976. He had joined the ACS in 1942, and was Editor of *The Chesapeake Chemist* in 1964. We hope to print more about him in a future issue.

Wanted: Nominations For Section Officers

It's that time of the year again. While all of us are, of course, much too busy to do anything for the Maryland Section, we can at least let George (or Tom or Dick or Harry) do it for us.

Send your suggestions for nominees for Section Officers (Chairman, Vice-Chairman, Secretary, and Treasurer) to:

Dr. A. Allen Bednarczyk
Chairman, Nominating Committee
Naarden, Incorporated
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EXECUTIVE COMMITTEE MINUTES

Minutes of the Executive Committee Meeting of the Maryland Section of the American Chemical Society held on March 24, 1976 at Martin-Marietta Laboratories, Baltimore, Maryland. Present: Y. Caplan, J. Cogliano, H. Cohen, F. Hummel, D. Jones, R. Kassel, J. Kolbe, J. Leslie, C. Minnier, T. Parr, E. Penski, E. Silversmith, T. Simmons, L. Turner.

The meeting was called to order by Chairman, J. Kolbe, at 8:15 p.m.

The minutes of the meeting of June 4, 1975 as reported in the September, 1975, issue of *The Chesapeake Chemist* were approved.

The treasurer H. Cohen reported that the Section had a cash balance of \$7,851.36 as of December 31, 1975. The Section showed a net profit of \$404.43 for the 1975 calendar year. The Committee approved an immediate allocation of \$1,500 toward publication of *The Chesapeake Chemist* and a further \$1,200 to be allocated later in the year at the discretion of the Chairman of the Section.

H. Cohen announced that Eli Freedman would become editor of *The Chesapeake Chemist* in April, 1976. The April issue would acknowledge the centennial of the American Chemical Society by utilizing the ACS symbol on the cover and by publication of a proclamation of Governor Mandel declaring April-4-9 as chemistry week in Maryland. Arrangements are to be made to utilize *The Chesapeake Chemist* for balloting in the required mail election of Section councilors.

The Committee approved the transfer of the Section's checking account from Equitable Trust Bank to Union Trust Bank if the Treasurer deemed this to be in the best interests of the Section.

R. Kassel requested assistance on the House Committee since T. Berenthien is now unavailable.

It was announced that the 1976 MARM showed a slight profit and that the 1978 MARM has been scheduled for April 5, 6, and 7, 1978 at the Hunt Valley Inn. Committee members were requested to support W. Galetto and to seek volunteers to help with this meeting.

J. Cogliano suggested that job openings should be announced at the monthly meeting.

F. Hummel reported that only five new members had been recruited through her committee in 1975 but that already this year four new members had been recruited. She urged that the poster committee make an effort to seek new members.

B. Nurr was not present for discussion of the 1976 Remsen Memorial Award meeting but the Chairman indicated he would contact Dr. Murr about the status of the arrangements for the meeting and that he would take care of any other necessary details.

C. Minnier described difficulties in obtaining publicity for chemistry and the American Chemical Society in the local press.

E. Silversmith presented preliminary details of the topics for the 1976-1977 meeting series. The Committee approved a cost of \$6.25 (\$4.25 for retired chemists, students, and spouses of members and students) for the dinners at Edgewood beginning September, 1976. ...continued on p. 5

DR. BENJAMIN WITTEN, 1916-1976

I knew Dr. Witten from the time he came to Edgewood in 1940 but did not work closely with him until 1973. And, while I was aware of his many accomplishments and abilities, it was not until that time that I realized the full measure of his competence.

He was one of the most outstanding scientists that I have ever worked with and the most competent person in his field--not only in the United States but throughout the world. He was a distinguished chemist, an inspiring leader, an outstanding administrator, and a renowned author of over a hundred scientific publications and books, and had been awarded more than twenty patents.

A few months ago I had the privilege of introducing him at a dinner in his honor when the Maryland Section of the American Chemical Society selected him for the Maryland Chemist Award for 1975. This in effect said that Benjamin Witten was the most outstanding chemist in the State of Maryland, and it was one of the most popular selections ever made by the Section.

His reputation was international. He was called upon to speak for the United States at conferences with foreign nations every year. His colleagues in England, Germany, France, The Netherlands, especially Israel, have been advised of Ben's passing and they extend their deepest sympathy.

He had that very rare quality of combining outstanding scientific competence with a tremendous managerial ability, while at the same time commanding the respect, not only of his peers and superiors, but of his subordinates as well. He was intensely loyal to his people and that loyalty as well as admiration was always returned by them. He reached the top in his profession by supporting his subordinates, not by taking advantage of their efforts. In fact, my last conversation with him was in reference to a promotion for one of the young, outstanding scientists in his division. I knew that this was going to be difficult to do, but I am happy that I told him we would try. It was this type of thing that made Ben Witten a great man.

But probably more important--and even more significant--than Dr. Witten's professional and managerial competence is the way in which he lived his life. I have never met a person more ethical, more honest, more moral, more religious, and with more integrity than Dr. Witten. Although Ben and I were of different faiths, I spent many enjoyable hours with him discussing religion, and certainly my life has been enriched by these conversations.

I worked closely with him every day and I never went home in the evening without having learned something from him.

The three most paramount things in Ben's life were his religion, his work, and his family. Certainly his family has the consolation of knowing that they also participated in and contributed to his enjoyable and full life, and that every good thing that he gave to them, was returned to him by them in full measure.

If I could live my life over and could pattern it after one man, it would be Ben Witten.

I have lost one of the closest and finest friends that I have ever had, yet the pleasure and privilege of knowing and working with him is a memory which I will cherish for the rest of my life.

--Edgar Crumb, Director
Edgewood Arsenal Chemical Laboratories

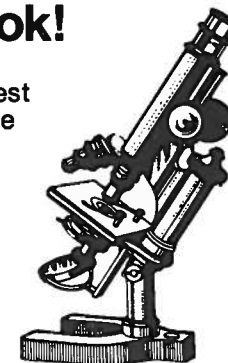
(Editor's note: An account of Dr. Witten's scientific achievements appeared in the December, 1975, issue of *The Chesapeake Chemist*.)

1976 - 77 SCHEDULE

DATE AND LOCATION OF MEETING	TOPIC	TIMES, SPEAKERS, AND THEIR AFFILIATIONS	TITLES OF TALKS
Sept. 15, 1976 Eudowood	Chemical Education	5:30 Mr. Joseph Jenkins, Head, Science Dept., Lake Clifton High School, Baltimore	The Lake Clifton Approach to Science Education
		8:30 Dr. Anna J. Harrison, Professor of Chemistry, Mt. Holyoke College	What Does the Public Have the Right to Expect of Chemical Education
Oct. 20, 1976 Eudowood	The Chloro-fluoro-Carbon/Ozone Problem	5:30 Dr. Richard Ward, Freon Technical Laboratory, E.I. DuPont de Nemours and Co.	The Fluorocarbon/Ozone Question
		8:30 Dr. Douglas D. Davis, Professor of Chemistry, Georgia Institute of Technology	Recent Research Results Bearing on the Chlorofluorocarbon/Ozone Problem
Nov. 17, 1976 Eudowood	Outer Space (Family Night)	5:30 Mr. William Corliss, Scientific Writer for NASA	UFO's and Other Mysterious Phenomena in the Atmosphere
		8:30 Dr. Richard S. Young, Chief, Planetary Biology, Office of Space Science, NASA	Life on Other Planets
Dec. 15, 1976 College of Notre Dame	Maryland Chemist Award	8:30 To be announced	To be announced
Jan. 19, 1977 Eudowood	Biological Chemistry	5:30 Dr. Dale Whalen, Associate Professor of Chemistry, University of Maryland Baltimore County	The Hydrolysis of Highly Reactive Epoxides
Jan. 19, 1977 Eudowood	Biological Chemistry	8:30 Dr. J. Tyson Tildon, Head, Pediatrics Research, School of Medicine, University of Maryland	Glycerol Metabolism in Brain and Its Role as a Neurotoxic Agent
Feb. 16, 1977 Eudowood	Organic Synthesis	5:30 Dr. Gary Posner, Associate Professor of Chemistry, The Johns Hopkins University	New Methods for Organic Synthesis
		8:30 Dr. Maurice Shamma, Professor of Chemistry, Pennsylvania State University	Synthesis of Isoquinoline Alkaloids
Mar. 16, 1977 Univ. of Maryland, Baltimore County	Nucleic Acids	5:30 Dr. Richard Karpel, Professor of Biochemical Sciences, Princeton University	RNA Unwinding Protein
		8:30 Dr. Alexander Rich, Professor of Biophysics, Massachusetts Institute of Technology	Structure of Transfer RNA
Apr. 20, 1977 College of Notre Dame	Inorganic-Physical Chemistry	5:30 Dr. Peter Hambright, Professor of Chemistry, Howard University	Dynamic Coordination Chemistry of Metalloporphyrins
		8:30 Dr. Russell Drago, Professor of Chemistry, University of Illinois	To be announced
May 1977 The Johns Hopkins University	The Remsen Lecture of the Maryland Section	8:30 To be announced	To be announced

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...concluded from p. 4

- *instituted a curriculum revitalization program that was geared to "the return to basics;"
- *established that education will be by design rather than by chance;
- *made sure that both students and teachers understood that along with rights goes responsibility.

Out of this thrust by the principal came an all-out assault on the Science Education program at Lake Clifton:

- *All science programs and courses were revitalized.
- *All science programs were assembled in one book.
- *Course expectancy sheets were developed.
- *All course objectives were written in behavioral terms.
- *A strong community tie with Morgan State University was established.
- *A committee composed of science teachers from Lake Clifton and chemistry professors make up a standing committee.
- *A pilot program has been established with Morgan State aimed at the gifted poor in the community who have been going to other schools.

The school has suddenly been thrust into the desegregation battle again. This time the school presented its own plan that received both State and national recognition as a milestone in history. We attempted to reverse the usual desegregation pattern of blacks going to white schools.

The principal immediately installed a controversial proficiency examination that every student is required to pass before graduation. This will be discussed in detail.

The Chesapeake Chemist
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THE EDITOR'S FIST

On Writing One's Own Obituary

It has been our sad but unavoidable duty to prepare for publication the notice of the deaths of two members of the Maryland Section, Dr. Benjamin Witten and Lt.-Col. Kenneth S. White. This task gave rise to the thought of how our obituary will read when the appointed time arrives. It is a depressing exercise, not because it makes explicit the implicit fact of one's mortality (the daily quota of aches and pains, the dimming of the print, the lengthening of the distance from the door to the corner mail box all combine to do that); but because of the flood of "might have been's" and "should have done's" that it induces. How few the persons for whom an obituary written five years hence will differ noticeably from one set down today!

We did not have the good fortune to know Benjamin Witten personally, so as we mourn his passing, it is easy for us to be consoled by the thought that his memory will be kept fresh by his family, by the impact of his scientific work, and by the thoughts of his many friends, who will miss a great and good man.

Nor did we know Kenneth White. And in his case, we find no similar consolation because he apparently has slipped from memory just as he was erased from the memory of the ACS computer in Columbus. If anyone remembers anything about him, please share it with us.

DINNER INFORMATION

Cocktails 6:30 - 7:15 (cash bar). Hot buffet dinner at 7:15, \$6.25 per person. Retired chemists, students, and their spouses may attend the dinner at \$4.25 each. Reservations are necessary for the dinner and should be made no later than September 10 with
ACS RESERVATIONS
C/o Dr. Ernest Silversmith

USE THE CONVENIENT COUPON THAT APPEARS BELOW. Or phone 893-3216 (9 - 5 only).

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

----- TEAR-OUT DINNER RESERVATION FORM -----

Enclosed is \$ _____ (\$6.25 per person)* for dinner reservations at the Eudowood Gardens Dining Room for the following persons:

NAME	(Please print or type)	AFFILIATION
------	------------------------	-------------

_____	_____	_____
_____	_____	_____

*Please make check payable to Maryland Section, ACS, and mail together with reservation form to Dr. Ernest Silversmith, 2607 Taned Road, Baltimore, MD 21209. Or phone 893-3216 (9-5 only).

Return by September 10.