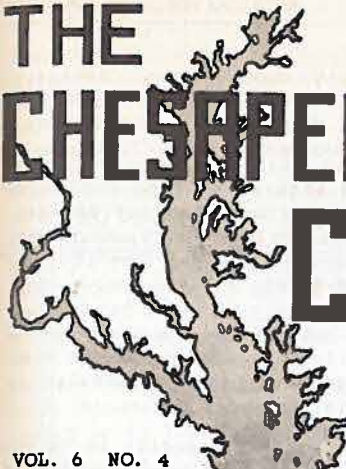


THE CHESAPEAKE CHEMIST



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The next meeting of the Maryland Section will be held on Friday, April 28, at Western Maryland College in Westminster, Maryland. The Section has not held a meeting in this part of our territory since before the war, and this visit marks a return to a pleasant custom. The meeting will be held at 8:30 p.m. in McDaniel Hall on the campus of Western Maryland College, and explicit directions about reaching the meeting place are given at the end of this article.

The speaker on this occasion will be Dr. R. E. Gibson, of The Johns Hopkins University Applied Physics Laboratory, who will speak on "Rockets and Ram Jets." In dealing with this topic, Dr. Gibson will point out that practically all propulsion devices depend on the evolution of energy by chemical reaction. The control of these reactions and the devising of engines to convert the energy evolved by the reaction into kinetic energy of motion have received concentrated attention by scientists and engineers for centuries, yet the whole subject is still an art rather than a science. Engines for the propulsion of supersonic missiles require violent reaction and impose even greater demands on control. Jet engines, including rockets, are relatively new devices well adapted to high performance propulsion. Some of the fundamental principles and applications of these engines will be discussed by our speaker, with emphasis on the chemical problems involved.

Dr. Gibson is a physical chemist who received his undergraduate and graduate training at the University of Edinburgh. He was a member of the staff at the Geophysical Laboratory of the Carnegie Institution of Washington from 1924 until the beginning of the last World War, when he was on leave for war work. Concurrently, from 1929 to 1941, he was adjunct professor of chemistry at George Washington University in Washington.

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Section Officers

Chairman Alsoph H. Corwin, Department of Chemistry,
The Johns Hopkins University, Baltimore 48
Vice-chairman Charles E. Brambel, Mercy Hospital, Baltimore 2
Secretary-treasurer H. H. Lloyd, Goucher College, Baltimore 48

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Editor: Belle Otto, Goucher College, Baltimore 48, Maryland.

MARYLAND SECTION NOTES

Bylaws The secretary received 198 ballots on the adoption of the bylaws, and virtually all were in favor of the proposals made. The bylaws were therefore declared adopted, and the Section is henceforth operating under their provisions.

Section Directory Yellow cards are dribbling steadily in to the secretary, H. H. Lloyd, to supply information about members of the Section. So far, about one-third of the members have returned this reply card indicating their professional affiliation and interests, but the Section officers need more returns if they are to do a good job in anticipating and meeting the needs and wishes of the members in the matter of speakers, topics and plant visits. If you have not mailed your card to the secretary (address in the list at the top of this page), do so now. If you have mislaid the card, he will be glad upon request to supply you with another.

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from page 1) The April Meeting

His interests during the war centered on rockets, and he served as director of research at the Allegany Ballistics Laboratory in Cumberland under an OSRD contract with George Washington University from 1944 until February, 1946. At this point he joined the staff of the Applied Physics Laboratory, becoming acting director in July, 1947 and director in 1948.

The dinner preceding the meeting is open to all members of the Section and their guests, within the limits of restaurant capacity. It will be held at Hoffman's, 246 E. Main Street, Westminster, Maryland, at 6:45 p.m. The charge per plate will be \$2.00. Reservations must be made (on the reply card enclosed) with Vice-chairman Brambel (address in the list at the top of this page) by Monday, April 24th. Since the capacity of the restaurant is limited, reservations accompanied by check will be honored in the order in which they are postmarked. Those whose reservation requests exceed this limiting number will be notified that their reservations cannot be accepted, and provision will be made for them to eat elsewhere if they wish. Hoffman's is to be the congregating point for all who make dinner reservations; those who cannot be accommodated there will be directed to other restaurants. Hoffman's is on Route 140, on the left as you proceed down the hill after entering Westminster. It is a short distance beyond a Betholine filling station (on the left) and almost directly opposite an Amoco filling station (on the right). Cars may be parked on Main Street (Route 140) if there is space; (to page 3

from page 2) The April Meeting

otherwise, on the first intersecting street beyond Hoffman's (right turn only) or on the second intersecting street beyond Hoffman's (left turn only).

The Maryland Section is planning to arrange transportation from Baltimore to Westminster and return at no cost to members and their guests for everybody who wishes to go. It is hoped that members who have cars will be able to accommodate all who do not. If your own transportation is provided for, and you cannot take anyone outside your party, DO NOT fill in the transportation section of the reply card. If you can supply transportation for others, or if you wish it provided for you, FILL IN the card, mail it to Dr. Brambel not later than Sunday, April 23d, and come to the Hopkins campus (west) side of the circle at Charles and 34th Streets by 5:30 p.m. if you plan to attend the dinner, or by 7:45 p.m. if you plan to attend only the lecture.

All members and guests who go to the meeting will proceed to the entrance to the Western Maryland College campus and will be furnished directions by college guides on duty there. Travelling by car from Baltimore, follow Route 140, take the left fork at the north end of Reisterstown; and, after crossing Western Maryland Railway tracks in Westminster and proceeding a couple of blocks up the hill, continue straight on Route 32 (at the fork where Route 140 turns right towards Gettysburg) two more blocks to the top of the hill, where the campus entrance is found on the right. Parking will be on the chemistry building parking lot. The lecture will be given in the Lounge (ground floor) of McDaniel Hall.

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from page 4) Notes on Western Maryland College

The first catalog of the College shows William H. Zimmerman as professor of natural science. In 1900 Harold J. Turner, Ph.D. Johns Hopkins, was professor of chemistry and geology. In 1950 instruction in chemistry is being given in well-equipped laboratories under the capable direction of H. Latimer Elderdice, Samuel B. Schofield and J. Lloyd Straughn (all three active members of the Maryland Section, A. C. S.). There are six seniors majoring in chemistry: four are candidates for the B. S. degree and two for the A. B. degree. Altogether, about 135 students are registered in the normal battery of undergraduate courses in chemistry: inorganic, qualitative and quantitative analyses, organic and physical chemistry. Advanced quantitative analysis is also offered, and all senior majors must elect senior seminar work on special topics in chemistry. Analytical chemistry (both qualitative and quantitative) is also offered during the summer session of ten weeks.

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Chemical laboratories in the Westminster area include the control laboratory of the Congoleum-Nairn Company at Cedarhurst, where linoleum is manufactured, and the analytical laboratory of the Tidewater Branch of the Lehigh Portland Cement Company, which is located at Union Bridge.



Dr. Gibson

NEXT MEETING April 28 TIME 8:30 P.M.
PLACE McDaniel Hall, Western Maryland College,
Westminster, Maryland
SPEAKER Dr. R. E. Gibson
SUBJECT Rockets and Ram Jets
The meeting is open to any who are interested.
DINNER 6:45; Hoffman's, Westminster, Maryland
Details about dinner reservations are on page 2.
Save Friday, May 26, for the Remsen Memorial
Lecture by Dr. Edward C. Kendall.

Notes on
WESTERN MARYLAND COLLEGE
(Courtesy of Samuel B. Schofield)

Western Maryland College is situated on the western edge of Westminster, a town of five thousand, located thirty miles from Baltimore in the foothills of the Blue Ridge Mountains. The commanding hill on which the campus was later established served as a camping ground for Union troops moving towards Gettysburg in 1863, and heavy guns were placed there to protect supply trains.

The college was the outgrowth of a private academy for girls and boys that was started in 1865 by Fayette R. Buell, who had moved to Westminster from the State of New York. Determined to enlarge his school into a college, Mr. Buell had the good fortune, in 1866, to meet Mr. J. T. Ward, a retired minister of the Methodist Protestant Church, who in turn secured from two wealthy citizens of the town a loan of \$10,000 with which to erect a suitable building and to start the operation of the college, with the understanding that Mr. Ward was to be at its head. The cornerstone was laid September 6, 1866 (the Western Maryland Railway Company granting free passes over the road to all who wished to attend the exercises), and the first session was opened September 4, 1867 with an enrollment of seventy students (twenty-two women and forty-eight men) and a faculty of ten. (Western Maryland thus appears to be the first college south of the Mason and Dixon Line to admit both women and men, although it was not coeducational in the modern sense of the word.)

In the years that followed, the need for additional buildings and students presented grave financial problems. In 1878 the State legislature directed twenty-six of the students it was educating for public school teaching by free scholarships to Western Maryland College. In 1886 Dr. Thomas H. Lewis became president and within three years succeeded not only in ridding the college of debt but also in renovating and enlarging the physical plant and in increasing enrollment. In the ensuing sixty years the college has undergone steady growth. The current value of the plant and equipment is carried at over one and three-quarters million dollars. The only State aid has been in the form of free scholarships for the training of secondary school teachers: this totaled nearly sixty thousand dollars in 1947. (to page 3