

MIDWESTERN ASSOCIATION OF CHEMISTRY TEACHERS IN LIBERAL ARTS COLLEGES

Office of the Secretary Treasurer

Wabash College

Crawfordsville, Indiana

September 9, 1970

Dear MACTLAC Member:

The attached information describes the eighteenth annual MACTLAC meeting to be held October 9-10 at Calvin College, Grand Rapids, Michigan. On surveying the meeting program you will see that Enno Wolthuis, local program coordinator, and his staff have planned two days of interesting sessions. The green and blue program sheets are self-explanatory, but let me point out that the meeting offers both the opportunity to hear two addresses on "chemistry in action" and the opportunity to share experiences in ten different discussion groups covering a wide range of interests.

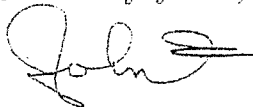
The enclosed envelope is for preregistration and dues payment. We hope that all members will cooperate in this way as soon as their plans are clear. Information received on the preregistration form helps to insure an efficiently run meeting, while dues prepayment greatly simplifies the registration procedure when you arrive. Even if you are reluctant to enclose payment for fear of changing plans, the Calvin staff would still appreciate receiving your return envelope filled out with an indication of your probable plans.

The current dues are \$1.00 and the meeting registration fee is \$1.00. The registration fee will help Calvin meet the expenses incurred in hosting the meeting. The Friday evening meal will be \$3.50. [PLEASE USE THE PREREGISTRATION ENVELOPE TO INDICATE YOUR PREFERENCE FOR ROAST BEEF(B) OR OCEAN PERCH(P) AT THE FRIDAY EVENING BANQUET.] Thus full participation involves \$5.50 plus any back dues. If a white dues information card is not enclosed in this mailing, you may assume your dues are current and that you owe \$1.00 for the 1971 dues.

All lodging accommodations should be arranged for by direct contact with the motel of your choice. You are also on your own for the Friday and Saturday luncheons and the Saturday breakfast. Service is available at the Commons Cafeteria and at a number of nearby restaurants.

Circle October 9-10 on your calendar and plan to come to Calvin College to renew old MACTLAC acquaintances and make new ones, and to participate in what the Calvin staff hopes you will find to be "one of the best meetings ever".

Sincerely yours,



John F. Zimmerman
Secretary-Treasurer, MACTLAC

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MIDWESTERN ASSOCIATION OF CHEMISTRY TEACHERS

IN LIBERAL ARTS COLLEGES

Eighteenth Annual Meeting

Calvin College 1970

Friday, October 9

- 10:15 a.m. Executive Council Meeting and Luncheon - College Commons
- 11:00 a.m. Registration - first floor, Science Building
- 1:15 p.m. General Meeting - Science Building Auditorium, Room B 30.
Greetings from President Spoelhof
Address: *The Role of Chemistry in the Automotive Industry*
(or, *A Chemist in Auto Land*), by Dr. Thomas O. Morgan, General
Motors Research Laboratory, Warren, Michigan.
- Discussion, Announcements.
- 2:45 p.m. Refreshments
- 3:30 p.m. Discussion Groups
- 5:00 p.m. Open House, tours of Science Building and campus.
- 7:30 p.m. Dinner - Commons
- 9:00 p.m. Address - *Silicones as Used in Medicine and Surgery*
by Mr. Michael Newash, Technical Assistant at the
Dow-Corning Center for Aid to Medical Research.

Saturday, October 10

- 8:30 a.m. General Meeting, Business - Science Auditorium
- 9:30 a.m. Refreshments
- 10:00 a.m. Discussion Groups
- 12:00 noon Council Luncheon Meeting - Commons
(For old and new Council members)
- Adjournment.

The staff of Calvin College has been a great pleasure to have had with us...
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successfully...
their generous and effective hospitality during the
18th Annual Meeting of MACT LAC

MACTLAC MEETING - 1970

Discussion Groups

The discussion topics were distilled from a mixture of subjects submitted by the members at the last meeting. Group leaders will be announced in the official program available at the meeting.

1. The Role of Chemistry Departments in Environmental Problems.
What are our community obligations? What have we been doing, and what should we do? Inter-disciplinary courses?
2. Photochemistry in the Curriculum.
Does this fast-growing subject warrant a place in the usual organic course, or a special course? Should it be treated as a special topic or integrated with several topics?
3. Biochemistry in the Curriculum.
A separate course, or a part of organic courses? How should it be tailored, or shouldn't it, to fit the needs of biology majors?
4. Chemical Literature.
Should it be taught systematically, and, if so, how and where? Is it only for majors in chemistry?
5. The Advanced Inorganic Course.
Where does it fit best in our curriculum? What should be its content? Should it be a laboratory course? Content?
6. The 4-1-4 Course Plan.
What are the reactions of those who have it? What kinds of courses have been tried during the Interim, and which are the most successful?
7. Computers in Chemistry.
How are we using them, and with what success?
8. Integrated Courses.
What have been our experiences with physics-chemistry, biology-chemistry, etc.? For which part of the student body are they best suited?
9. Novel Analytical Experiments.
What are we doing, and what can we do, especially with instrumentation?
10. Quantitative Analysis in Organic Chemistry.
Why not introduce more quantitative functional group analyses to teach the properties of compounds? Which work best?

TRAVEL AND HOUSING INFORMATION FOR MACTLAC 1970

Travel: If travelling by automobile, Grand Rapids lies on Expressways 96, (from Detroit, Muskegon); 131 (from Kalamazoo) # 196 (from Holland, Mich.). An enclosed map indicates how to reach Calvin College from either of these highways. Travel time from Chicago to Grand Rapids is approximately 3 1/2 hours.

Air transportation to Grand Rapids is also feasible. For details see your travel agent in your area. The airport in Grand Rapids is about a five minute drive from Calvin College or any of the motels in which you may be staying.

Housing: Arrangements have been made with the motels listed below for housing the MACTLAC participants. All of these motels are within a 2 - 4 minute drive of the Calvin campus. In order for you to secure accommodations send a postcard to the motel of your choice indicating the type of accommodations wanted, the length of the stay, the number of people in the group, and that you are a MACTLAC participant. If the particular motel you have chosen is full your request for accommodation will be transferred to one of the other motels. If you have difficulty with housing or transportation contact Kenneth Piers, Chemistry Department, Calvin College, Knollcrest Campus Phone 949-4000, Ext. 464 (Area Code 616).

<u>Motel</u>	<u>Singles</u>	<u>Doubles</u>	<u>Twins</u>
Howard Johnsons Motor Lodge 28th St. at Interstate 96 Grand Rapids, Mich. 49508	13.00-16.00 (1 d. bed)	18.00-24.00 (2 d. beds)	-
Avon Park Motel 3955 - 28th St. S.E. Grand Rapids, Mich. 49508	10.50 (1 d. bed)	15.00 (2 d. beds)	-
Cascade Motor Inn 2865 Broadmoor S.E. Grand Rapids, Mich. 49508	12.00	-	16.00
Gateway Motel 2856 - 28th St. S.E. Grand Rapids, Mich. 49508	11.00-13.00 (1 d. bed)	14.00=18.00 (2 d. beds)	-
Shangri-La Motel 2691 - E. Beltline S.E. Grand Rapids, Mich. 49508	9.00	13.00	-

MACTLAC MEETING - 1970

Calvin College

Information about Meals

Dinner - 7:30 p.m., Friday, October 9, Commons Dining Hall.

We must know in advance of the meeting your choice of Roast Beef or Ocean Perch, either at \$3.50 complete. The dinner will be served family style, eight to a table.

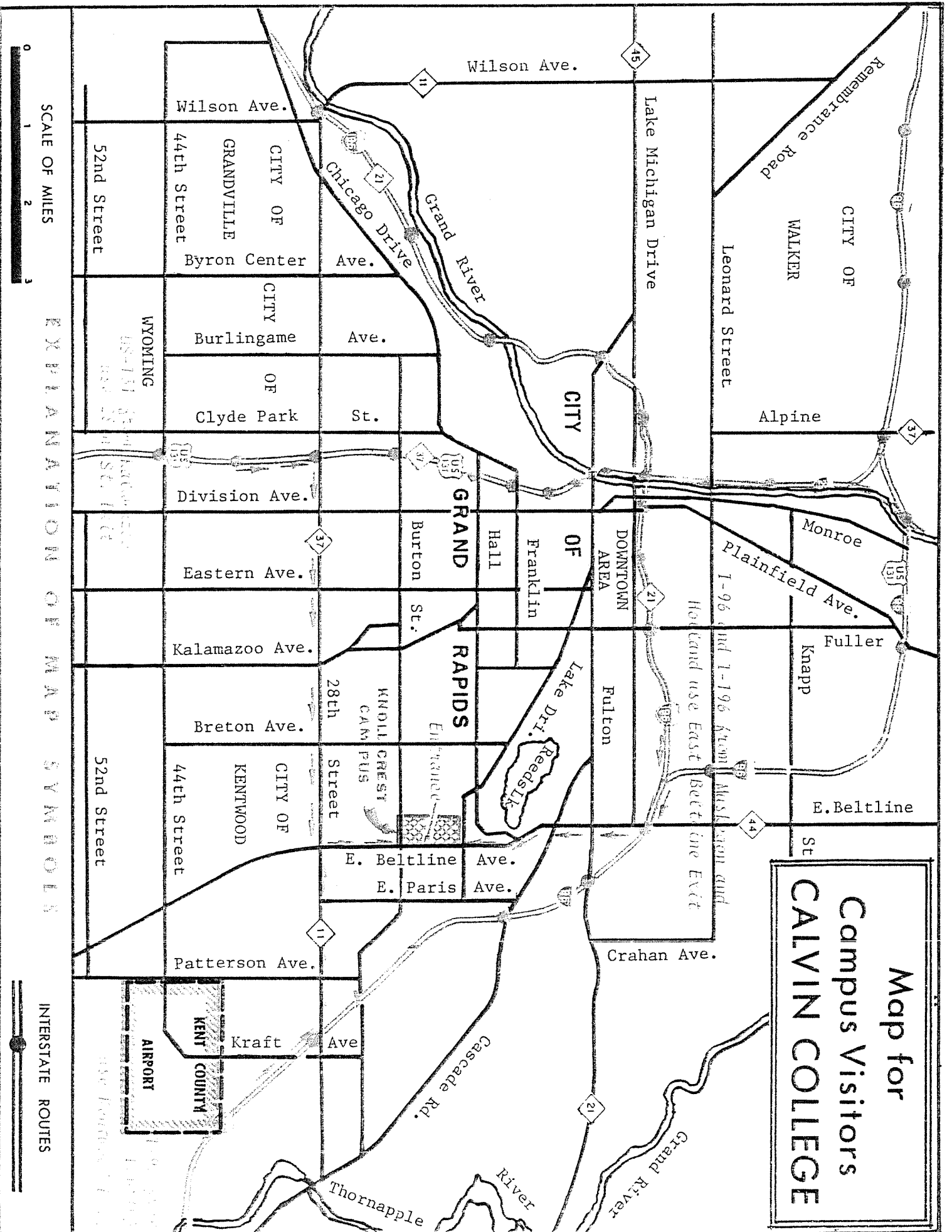
Luncheon - Friday

Breakfast - Saturday

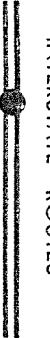
Luncheon - Saturday

These are available at the Commons Cafeteria, with a modest payment as you enter, or at a number of restaurants nearby.

Map for Campus Visitors CALVIN COLLEGE



EXPLANATION OF MAP SYMBOLS



INFORMATION ABOUT THE KNOLLCREST CAMPUS 1970

Calvin College was founded in 1876. In that year the Christian Reformed Church adopted a six year curriculum for ministerial training. The building development of Calvin College and Seminary has passed through five steps. It all started in 1865 when a school was established in the parsonage of the Rev. D. J. Vander Werp in Graafschaap, Michigan, for men interested in the ministry. On March 15, 1876, the Rev. Boer was chosen as the first full-time professor and the Calvin Theological School occupied a room in the Dutch school on Williams Street. This was our birth date (Dies Natalis) 94 years ago. By 1901 we celebrated our 25th Anniversary and occupied a building on the corner of Franklin and Madison Streets. This building was later used by the Grand Rapids Christian High School. In 1916 the present Administration Building was erected on our Franklin campus and by 1920 we became a four year liberal arts college. In 1956 the Knollcrest Campus (168 acres) was purchased and by 1960 the Seminary Building was ready for occupancy.

In 1962 the first buildings were completed for use by the college. Four residence halls: Noordewier, Vander Werp, Veenstra, and Beets, accommodating 480 out-of-town Freshman students were opened. A Dining hall was also ready for use. The same year the first phase of the Library-Classroom Building was in operation with Hiemenga Hall containing 10 classrooms and offices and Heritage Hall serving as the center of historical documents and a branch of the main library on Franklin Street.

In 1965 the Physical Education Building with its 8 teaching stations, offices, laundry facilities, and special activities was ready for use. The building is used for many activities in addition to those of the physical education department. The building can accommodate 4,400 persons for athletic events and 5,000 for other programs.

In September 1966, the Fine Arts Center, which houses the speech, music, and art departments was dedicated. At the present time other departments are also using this fine facility. The auditorium seats 1,000 persons. An elevator lift section of the stage doubles as an orchestra pit. The Bernard Zondervan Memorial organ is prominently positioned on the 65'x40' stage.

In 1966 we also completed four more residence halls: Rooks, Van Dellen, Eldersveld, and Schultze, bringing the total number of freshmen and sophomores living on campus to 960.

September 1967 saw the completion of the new Commons housing additional dining facilities for 680, student activities offices, and a large snack-lounge and student store on the ground floor.

With the opening of school in 1968 the Science Building was ready for occupancy. The three and one-half-million-dollar, four story structure houses the departments of mathematics, physics-engineering, biology, and chemistry. An astronomy observatory caps the building.

1968 also saw the enlargement of the Dining Hall to accommodate almost 700 persons, and the completion of two more residence halls: Boer and Bennink.

June 10, 1970 a four story addition to the library was dedicated and all the library facilities were placed on the new campus. Ten additional classrooms, many staff offices, expanded stacks to accommodate 350,000 volumes and other materials make the combined older and new sections of the building an excellent college library.

Two new residence halls, Bolt and Heyns, will be ready for student occupancy in September 1970. This construction brings to 12 the number of residence halls with an occupancy of 1500 persons.

Plans are now being made to erect a Classroom-Administration-Faculty Building. The target date for completion of the structure is September, 1972. Calvin will then have a campus to accommodate 4,500 persons.

7/15/70