

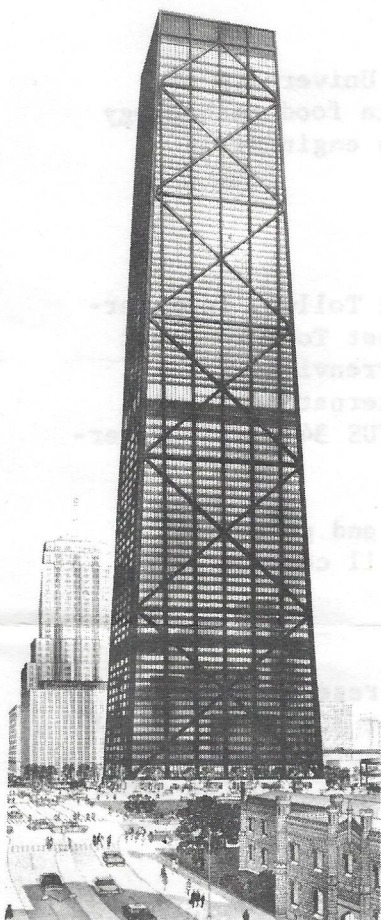
NEWSLETTER



OCTOBER
1971

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

49th



CHICAGO SECTION

CHAIRMAN'S MESSAGE

Greetings to all my fellow chemical engineers. I hope the summer vacation period has rejuvenated your weary bodies and that you are ready to start this year's round of professional activities with the Chicago Section of AIChE. I invite the active participation of all - the experienced old timer for his wisdom, the new graduate for his enthusiasm, energy, and fresh ideas and the vast majority who deny either classification. Our Section wants to provide a forum for your continuing professional development - formally through our programs and symposia and informally through the contacts you can make at our meetings. Our various active committees including Vocational Guidance, Environmental, and Food and Bioengineering provide you with an opportunity to work in areas of particular interest to you. I especially want to mention the activities of the Joliet Subcommittee. Norman Wacks of Northern Petrochemical is actively organizing an offshoot of our Section to meet the special needs of the rapidly growing industrial area to the southwest.

I want you to feel free to keep me aware of your thoughts on how we can serve you better. It is an honor to serve as Chairman, and I trust with the assistance of my fellow officers and committee chairmen we will have a very successful year.

BOB ANDERSON

OCTOBER MEETING:

October 13, 1971

PLACE:

Standard Oil Research Center

TIME:

Pre-dinner Program 4:00 P.M.
Refreshments 5:30 P.M.
Dinner 6:30 P.M.

COST:

\$6.00 for Chicago Section members
\$7.00 for non-members

HOST:

Standard Oil Research Center and
Amoco Chemicals

Standard Oil Company (Indiana) in 1971 completed the first phase of its multimillion-dollar research complex in Naperville establishing a new research environment for its large staff of scientists and engineers. When completed later in this decade, Standard's 260-acre research center will assume its full role as one of the nation's largest and most versatile industrial research and development facilities.

Approximately 700 technical and support personnel currently are assisting in research and development in the new Naperville facilities. This number is expected to grow to more than 2,500 by the end of the 1970's.

PRE-DINNER PROGRAM:

The pre-dinner program will consist of a tour of the new Naperville research facilities. Highlights of the tour will include visits to the protein project, analytical services, polypropylene plating and plastics fabrication laboratory.

AFTER DINNER TALK: "Food From Petroleum - A New Challenge to the Chemical Engineer"

The world population will increase to 7 billion by the year 2000 with a corresponding increase in both protein and calorie requirements. Although part of this demand will be supplied by intensified agriculture and aquaculture, the long-term solution of the world food problems may well depend on the production of food from petroleum. The current approach is microbial conversion of hydrocarbons to proteins. This brings the chemical engineer in contact with highly complicated interdisciplinary problems which involve microbiology, biochemistry, and nutrition, as well as legal requirements and consumer psychology. The process and equipment design becomes complicated because of the requirements of cleanliness, sanitation, sterility, and because of the absence of required engineering tools in an area which was considered art until recently. The speaker will discuss the above subject's aspects in terms of the challenge to bring science and technology to the art of food production to solve the world food problem.

SPEAKER: Dr. Cayit Akin

Dr. Akin received his master's degree in chemical engineering from the University of Ankara, Turkey in 1954. He earned his master's and doctorate degrees in food technology at the University of Illinois. Dr. Akin is presently a senior research engineer in exploratory microbiology at the Standard Oil Research Center.

LOCATION AND PARKING:

The Standard Oil Research Center is located just north of the East-West Tollway in Naperville. The most straightforward route to the Center is via the East-West Tollway (east or westbound); exit at Naperville Road; north on Naperville Road to Warrenville Road (1/4 mile); west on Warrenville Road to the Center (about 1 mile). Alternate east-west routes to the vicinity of Naperville Road would be: (a) Ogden Avenue (US 34); (b) Butterfield Road (Ill 56); or Roosevelt Road (US Alt. 30).

Guests must enter the Center through the Warrenville Road gate. Signs and guides will direct guests to parking areas and the assembly point where the tour will commence.

RESERVATIONS:

It is very important to make a reservation for the AIChE meetings. If reservations are not made, we cannot accommodate everybody that might show up. It is not just a matter of having a little extra food on hand, but labor must be scheduled to set up the facilities and serve. For instance, one waitress is needed for every fifteen dinners. On the other hand, if reservations are made and are not fulfilled, we will incur additional costs by not having the guaranteed minimum number of dinners.

For the October meeting, accommodations are available for 500 people. However, reservations must be made as soon as possible because an exact count is needed by Monday, October 11. Please complete the enclosed postcard and indicate whether or not you will attend the pre-dinner tour. If it is impossible to return this postcard or if your plans change, please inform the telephone operator at CPC International Inc., 581-6800.

NEXT MONTH:

The next meeting will be November 10 at IITRI. A speaker from Argonne National Laboratory will provide the after dinner talk, "Applications of Nuclear Power in Chemical Engineering."