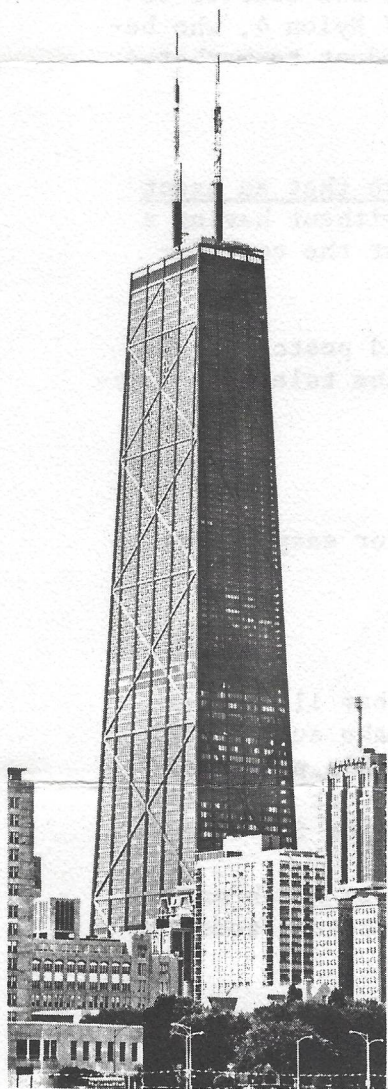


NEWSLETTER



1972
NOVEMBER

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS



CHICAGO SECTION

86 EAST RANDOLPH ST.
CHICAGO, ILLINOIS 60601

NOVEMBER MEETING

Date: November 8, 1972

Place: Lakeshore Club, 850 N. Lake Shore Drive

Time:

Pre-Dinner Program	5:00-6:00
Social Hour	6:00-6:30
Dinner	6:30

Cost: \$7.50 for Chicago Section members
\$8.50 for non-members

Host: Nash Engineering

For more than fifty years, Nash compressors and pumps have served the chemical process industries. Difficult and expensive processing problems are solved by Nash equipment that has the ability to handle over one hundred corrosive, contaminated, or condensable gases and to stay on stream without costly downtime. Special features of Nash compressors include temperature control of the gas, recovery of condensable vapors except entrained liquids, and handling of explosive gases. Free of pulsation and vibration, every unit is factory tested over its entire operating range.

Like Nash vacuum pumps, Nash compressors require no internal lubrication. They can handle gases containing solvents and gases which might emulsify and form sludge in a lubricant.

Nash double lobe compressors are available in 28 basic models having capacities of 10 to 1000 CFM at 10 to 110 psig. Nash instrument air compressor packages come in five sizes with 50 to 300 CFM capacities up to 100 psi.

Nash Engineering, located in Oak Brook, handles sales, engineering, application, and service for the Chicago area. Mr. John Horan is the Chicago Sales District Manager for Nash. Other sales engineers include Tom Hied, John Higgins, Eric Wick, and Derek Smith (Milwaukee) who are all fully experienced.

Pre-Dinner Program: "COMPAID - Automated Drafting and Materials Control System"

Speaker: Dr. Calvin Cobb, Product Manager,
Monsanto Company

COMPAID is an automated drafting and piping materials control system for doing isometric piping drawings and tabulating required materials. The use of this method including the method of inputting the program and the information it provides will be discussed. The use of it as a design tool will also be highlighted.

After Dinner Program: "Nylon 4 - The Bridge Between Synthetic and Natural Fibers"

Speaker: Dr. E. M. Peters, Vice President - Marketing, Alrac Corporation

Nylon 4 has been a controversial material since it was first synthesized. This material combines the good features of both natural and synthetic fibers. Originally everybody "knew" that it was incapable of existence. Persistent work and faith to believe in what was occurring in the lab finally won out and the long process of commercializing the production of Nylon 4 was started.

The problems of synthesis, stabilizing the polymer and spinning the melt will be discussed.

In addition, the history of the Alrac Corporation will be presented. Alrac is unique in that its main business is to commercialize Nylon 4. It represents the efforts of the work of Dr. Carl Barnes, its founder, and one of the inventors of Nylon 4, who believes that it is still possible for an individual to bring a new product to market.

Reservations:

It is very important to make a reservation for the upcoming meeting so that an exact count can be made of those planning to attend. Anyone who shows up without having a reservation may not be accommodated and the Chicago Section will incur the cost for those persons who make a reservation and don't attend.

To make a reservation, please fill out and return the enclosed prepaid postcard. If your plans change or you cannot return the postcard, please contact the telephone operator at the AIChE--Chicago Section office, 236-3036.

Parking:

A public parking garage is located at Superior and Fairbanks Court for easy access to the Lakeshore Club.

Auto Insurance:

The Board of Directors of the Chicago Section, at its meeting on October 11, was presented a plan by Mr. Larry Bowles of Marsh and McLennan that would make automobile insurance available to Section members. Some of the advantages of such a plan would be lower cost (up to 20%) than individually issued policies, only one cost estimate for damage required in case of an accident, and availability of insurance for anyone.

After some discussion, the Board approved implementation of this plan by Marsh and McLennan. Section members should be receiving information on this insurance sometime shortly after January 1, 1973.

Northwestern University to Host ACS Symposium

Northwestern University will host the American Chemical Society symposium on "Environmental Impacts of Chemical Engineering" to be held January 18 and 19, 1973 at the Sheraton-O'Hare Motor Inn, Rosemont, Illinois. The symposium discussions will focus on methods and processes now in use or being developed by chemical engineers to improve man's environment. Major interest of the symposium will be ways to reduce or control air pollution from sulphur dioxide, oxides of nitrogen, and carbon monoxide.