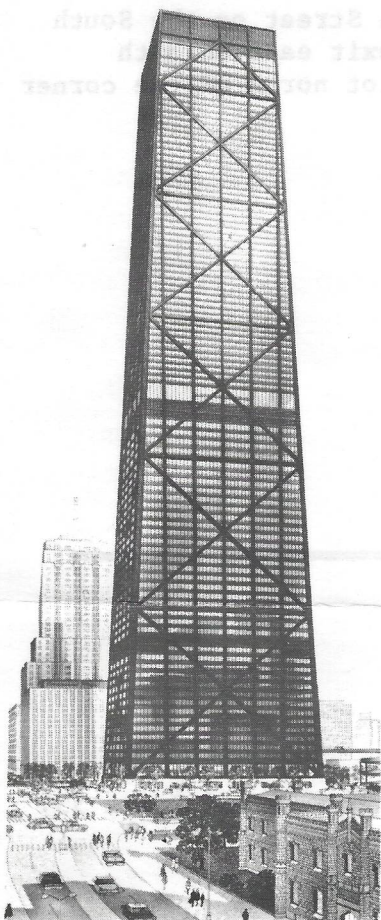


NEWSLETTER



JANUARY
1972

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS



CHICAGO SECTION

JANUARY MEETING

DATE: January 12, 1972

PLACE: Illinois Institute of Technology Research Institute

TIME: Social Hour 5:30 P.M.
Dinner 6:30 P.M.

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

PRE-DINNER PROGRAM: No pre-dinner program is scheduled for the January meeting.

AFTER-DINNER PROGRAM: "The Development of Thermodynamics"

Thermodynamics deals with the relations between heat, work and energy. The development of the concepts of these three quantities and their quantitative expression will be traced from the vague, purely qualitative speculations of the Greeks as early as the third or fourth century B.C. up to the work of Gibbs in the latter half of the 19th century.

The talk will center around the lives, personalities and contributions of some of the men who have pioneered in the development of thermo and its practical applications. Some of the most prominent are Francis Bacon (Lord Verulan), Galileo, Newton, Black, Newcomen, Watt, Fahrenheit, Celsius, Benjamin Thompson (Count Rumford), Davy, Charles, Gay-Lussac, Carnot, Clapeyron, Wm. Thomson (Lord Kelvin), Joule, Mayer, Clausius, Helmholtz, Rankine, Maxwell and Gibbs.

Each of these men made important contributions and the lives of some of them make an interesting story in itself.

Speaker Dr. Barnett F. Dodge

This month's speaker, Dr. Barnett Dodge, Professor Emeritus, Yale University, needs no introduction to those in the field of chemical engineering. He has an outstanding background both in industry and education. Along with his career activities, Dr. Dodge has served the Institute as a Director and as President and is a recipient of both the Walker and Warren K. Lewis Awards. In addition to his book, "Chemical Engineering Thermodynamics," he has authored over 100 technical papers. We feel honored to present this leader in the development of chemical engineering.

RESERVATIONS:

If you plan to attend, please fill out and return the prepaid postcard by January 10. Your cooperation will be appreciated as these reservations are required for scheduling of services. If your plans change or it is impossible to return the postcard, please inform the telephone operator at CPC International, Inc., (312) 581-6800.

HOST: DURIRON COMPANY, INC. (DURCO)

The Duriron Company, Inc. (Durco) has been producing corrosion resisting equipment for the chemical process industries for 59 years. Our major product lines are AVS centrifugal pumps, Durco SLEEVELINE plug valves, TFE lined plug and butterfly valves, leaf type pressure filters, and high pressure equipment.

Manufacturing facilities are located in Dayton, Ohio; Angola, New York; Hatboro, Penn.; Toronto, Ontario, Canada; and PetitRechain, Belgium.

The Durco Sales Engineers listed below are qualified to apply Durco's metallurgical expertise to your particular corrosion and fluid handling problems. The Chicago District Sales Office is located at 140 North La Grange Road, La Grange, Illinois - Telephone (Chicago) 242-3929 and (La Grange) 354-5150.

Don Steinwehe - District Manager
Roger Henry - Sales Engineer
Chet Swienton - Sales Engineer

Jeff Vidas - Sales Engineer
Tony Chiccarine - High Pressure Specialist
Mike Coyle - Inside Sales

LOCATION AND PARKING:

IITRI is located just east of the Dan Ryan Expressway at 10 West 35th Street on the South side of Chicago. Public transportation is available or if driving, exit east on 35th Street from the Dan Ryan. Free parking is available in the parking lot north of the corner of State Street and 35th Street.

NEXT MONTH: Annual Ladies Night Program

Place: Drury Lane-Martinique, 95th & Western Avenue

Play: "Once More With Feeling," starring Gene Barry

Date: February 11, 1972

Cost: \$8.25 per person

Additional details will be available in the February Newsletter.

JOLIET SUB-SECTION:

Details of the January meeting are as follows:

Date: Tuesday, January 11, 1972

Place: Merichka's Restaurant, 604 Theodore Street (between Route 30 and Route 53)
Joliet, Illinois

Time: Social Hour 6:30 P.M.
Dinner 7:30 P.M.

Cost: \$6.00

Post-dinner Program: "The Mobil Joliet Refinery"

Mr. J. V. D'Ambrisi, a National AIChE member and manager of the refinery, will discuss facts pertaining to the 160 MB/D grassroots refinery currently under construction just south of Joliet. When completed, the Mobil refinery will be the largest grassroots