

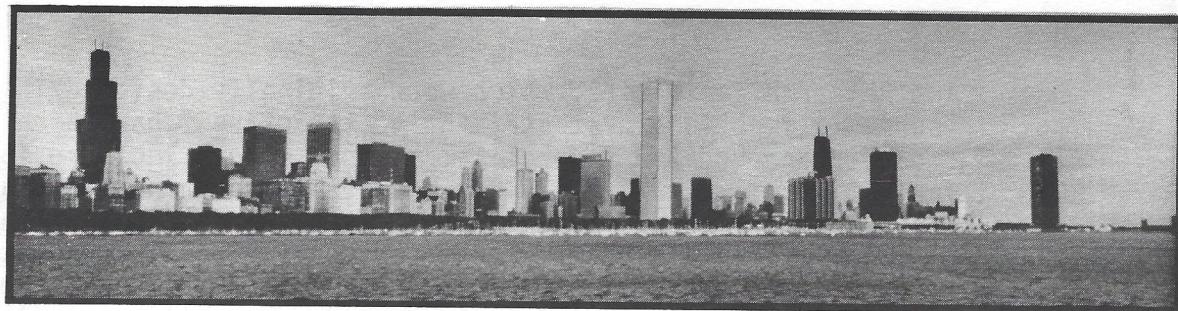
CHICAGO SECTION

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

NEWSLETTER



86 EAST RANDOLPH ST.
CHICAGO, ILLINOIS 60601



MEETING - WEDNESDAY, NOVEMBER 14, 1979

Location.....Seven Eagles Restaurant
1050 Oakton Street
Des Plaines, Illinois 60018

Social Hour.....5:30 p.m.

Dinner.....6:30 p.m.

Speaker.....Dr. Gary A. Hohner
The Quaker Oats Company

Cost.....\$11.25 members, \$12.25 non-members

Seven Eagles Restaurant is located on the north side of Oakton Street (which is north of O'Hare Field) one-half block west of Lee Road which is the extension of Mannheim Road into Des Plaines. From the interstate highways, one should exit I-90 at Mannheim Road, north, and should proceed north and turn left onto Oakton.

Please Note:

Please make your reservations early by calling 236-3036. If not, return the enclosed reservation card by mail.

SOCIAL HOUR, 5:30 p.m.

Host: The Quaker Oats Company
John Stuart Research Laboratories

The John Stuart Research Laboratories, located 35 miles northwest of the Chicago Loop, in Barrington, Illinois, represent a tradition for excellence which closely parallels that of The Quaker Oats Company. These modern and spacious facilities house more than 500 scientists and technicians who supply research and development support for Quaker's Grocery Products and Chemicals businesses. Specifically, the professional staff at Barrington is responsible for developing new products and product lines, for improving existing products and for exploratory research into new areas of food science and technology. The main thrust of their research is in product, process and package development.

The Research facilities, which were originally designed in 1956 to be "superbly functional yet strikingly attractive," have been substantially expanded and updated several times since then. Included in the current facilities of more than 325,000 square feet are chemical, analytical, nutritional, product standards and packaging development laboratories, as well as complete pilot plants for developing new products, testing equipment and scaling-up processes for commercial development. Nutritional research, product acceptance and palatability studies on the Company's pet foods are conducted at the Quaker Dog and Cat Kennels for Nutritional Research which are located four miles from the research facilities.

The importance to Quaker of research in general and the John Stuart Research Laboratories in particular is best illustrated by the Company's continuing emphasis on technical research and new product development. Expenditures for research and development have continued to increase substantially each year, with Grocery Products research and new product development accounting for a major portion of the increase. Quaker's total budget for technical research in the most recent fiscal year was \$19 million.

A high caliber staff, outstanding facilities and a professional environment have combined to provide what has been a highly successful formula for research and development at Barrington.

DINNER, 6:30 p.m.

Entree: Chicken Kiev

AFTER DINNER PROGRAM

Topic: NEW TECHNOLOGICAL DEVELOPMENTS IN THE FOOD INDUSTRY

Speaker: DR. GARY A. HOHNER, THE QUAKER OATS COMPANY

Dr. Hohner was awarded a Ph.D. in Agricultural (Food) Engineering from Michigan State University in 1970 and an MBA degree from the University of Chicago in 1976. Currently, Dr. Hohner is located at the John Stuart Research Laboratory of the Quaker Oats Company where he is Associate Director of R&D for the Frozen Foods Division. In previous assignments with Quaker Oats, Dr. Hohner has had responsibilities for process and packaging development and for the Corporate New Technology Program. Dr. Hohner is a member of the Institute of Food Technologists and is a member of the Editorial Board for the Journal of Food Processing.

ABSTRACT

From his experience as a director of research and development in the food industry, Dr. Hohner will discuss how and why the food that we eat will undergo many technological changes over the next decade. Factors to be addressed by Dr. Hohner include changes induced by rising energy costs, changes in consumer life styles, and demographics. Dr. Hohner will also discuss regulatory pressures on many food additives and the influence these regulations may have on food technology.

Please Note:

We urge members as well as non-members to bring spouses and/or friends to this meeting for Dr. Hohner's talk, which should be of interest to everyone. Dinner cost for any guest you may bring will be charged at your cost.

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS MEMBERSHIP

Combine legislative know how with a professional orientation, and one has the ingredients making membership in the National Society of Professional Engineers appealing to members of other professional societies, including the American Institute of Chemical Engineers. AIChE members may qualify for NSPE memberships under one of two plans.

Associate membership is available at an annual rate of \$25 for engineers who are under 30 years of age. For engineers over 30, NSPE associate membership is \$50. This program is designed primarily for engineers who are not registered with their respective state society.

Affiliate membership recognizes engineers who have acquired their P.E., and is set at \$20 and \$40 annually depending if the engineer also affiliates with his state society.

There are three prime benefits of affiliating with the national NSPE. They are:

- (1) Providing members with a registered lobbying organization working in the interests of the entire engineering profession. The purpose of such lobbying activity is to keep engineers of all disciplines informed of legislation activity affecting the profession.
- (2) Unifying members of all engineering disciplines behind issues of general concern.
- (3) Providing members with an effective tool for public service activity. NSPE serves the community as well as the engineering profession.

Further inquiries regarding NSPE membership may be directed to their headquarters office in Washington D.C. at (202) 331-7020.

RECENT SALARY INFORMATION AND DATA

Several sources have recently published salary information. A summary of some is as follows:

- (1) The College Placement Council reports '78-'79 starting offers to be:
 - (a) Petroleum Engineers, \$21,515 (up 8.5% over last year)
 - (b) Chemical Engineers, \$19,835 (second highest)
 - (c) Overall increases for the past year ranged from 7 to 11%
 - (d) Master's degrees yielded \$21,350 for Chemical Engineers (up 9.2%); \$20,975 for MBA-Tech; and \$20,770 for Electrical Engineers.

(2) The American Chemical Society has a report on chemist and chemical engineer salaries. They report that salaries of chemical engineers were higher than for chemists in 1979. The range was 35% higher at the bachelor level and 20% higher at the doctorate level.

(3) The U.S. Department of Labor reports (3/79) that engineer salaries in private industry increased 8.4% and that of chemists 7.6%. Average salaries are shown as follows:

	Beginning	Upper Level
Chemists	\$14,455	\$35,230
Engineers	\$17,345	\$45,220

(4) The AIChE 1979 Economic Survey Report was recently mailed to paid members.

ILLINOIS ENGINEERING COUNCIL

The IEC met at the Holiday Inn (South) in Joliet on Saturday, September 15, 1979. The speaker was Mrs. Joan Anderson who is the Director of the Illinois Department of Registration and Education. She informed the group of the many changes that are to come because of bills before the Governor and that affect the functions of her department. There will be a Joint Select Committee for Professional Occupations. We must be able to answer "what is the function that must be licensed?" They are only concerned with entering competency and not with excellence.

An interesting change in the usual agenda was the inclusion of a statement by each member society regarding its recent activities and items of concern. The Consulting Engineer Council distributed two pamphlets on how to pick a consultant. The Illinois Society of Professional Engineers reported on union activity in signing up engineers in the Chicago area. They also distributed a copy of an article on the costs (expenditures) by various political action groups in Springfield, Illinois, e.g., The Illinois Association of Realtors spent \$375,838 last year. The Chicago Section (AIChE) reported on the recent meeting at Argonne and on the situation with respect to the employment guidelines. The Joliet Section (AIChE) plans to monitor the value of IEC for a two year period to decide whether membership should be continued.

OBJECTIVES OF THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

- To advance chemical engineering in theory and practice
- To maintain a high professional standard among its members
- To serve society, particularly where chemical engineering can contribute to the public interest.

This newsletter is published by the Chicago Section of the American Institute of Chemical Engineers. Copy for inclusion in the newsletter must be received not later than five weeks before the next meeting date.

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