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- The Newsletter -

A. I. Ch. E. MEETING, OCTOBER 9, 1963

PLACE:
Builders' Club
228 North LaSalle
Chicago Loop

SCHEDULE OF EVENTS

SOCIAL HOUR: 6 P.M.

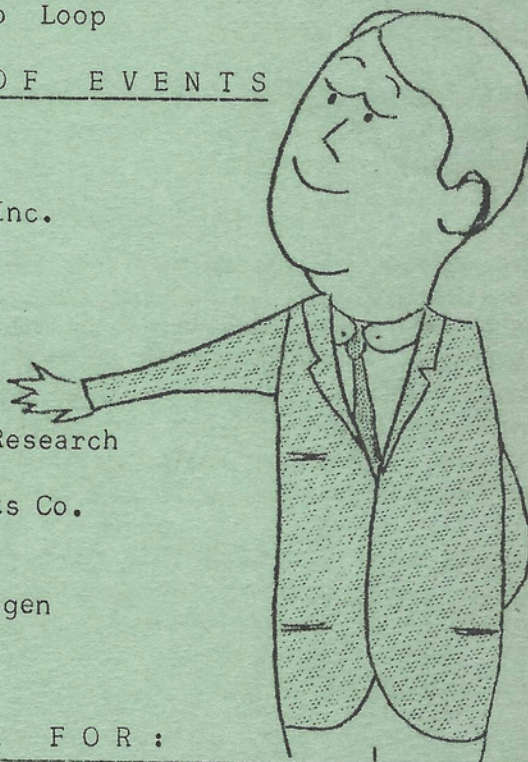
SPONSOR: Fuente and Webster, Inc.

DINNER: 6:30 P.M.

COST: \$4.25

SPEAKER: Melvin J. Sterba
Head of Engineering Research
& Development
Universal Oil Products Co.

SUBJECT: The Refining of
Petroleum with Hydrogen



MARK YOUR CALENDAR FOR:

PLANT TOUR AT ARGONNE NATIONAL LABORATORIES

Saturday, October 19, 1963

Argonne National Laboratories

Luncheon at 12 noon

Tour at 1:30 P.M.

RESERVATIONS ARE REQUIRED
and must be made by October 14

ABOUT OCTOBER'S SPEAKER AND PRESENTATION:

Melvin J. Sterba has headed the Engineering Research and Development Department at Universal Oil Products Company since 1952. At the October meeting he will speak on the uses and role of hydrogen in the refining of petroleum. With hydrogen a by-product of many catalytic reforming operations, intensive research has been conducted to make use of this by-product. As a result, hydrogen is now utilized as a reactant in a variety of refining operations. Mr. Sterba will discuss in detail one of the most important of the processes -- the use of hydrogen in catalytic hydrocracking operations and how it is applicable in present and future refineries.

In his capacity as head of Engineering Research and Development, Mr. Sterba is responsible for the corrolation of a laboratory pilot plant and commercial data for various processes developed and licensed by U. O. P.

Mr. Sterba was graduated from the University of Wisconsin in 1932, receiving a B.S. degree in Chemical Engineering. Upon graduation, he became associated with C.F. Burgess Laboratories in Madison, Wisconsin where he worked on the development of a process for the production of titanium dioxide from titanium ore. In 1935 he joined Universal Oil Products' Engineering Research and Development Department as a chemical engineer and has been affiliated with this group during his 20 years with the company.

During World War II Mr. Sterba supervised initial operations of catalytic cracking units and subsequently was concerned with various phases of development and field performance of these units together with Platforming units. He is a member of the American Society and the American Institute of Chemical Engineers.

MAKE YOUR RESERVATION NOW
FOR OCTOBER 9 MEETING

Mail the attached reservation card now or telephone Mr. George Ziegenhorn (451-2900), Podbielniak, Inc., Franklin Park, Illinois.

FROM THE CHA

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FROM THE CHAIRMAN:

On behalf of the officers' of the Chicago Section, A.I.Ch.E., I would like to welcome you to our 40th Season. Although the formal activities for the 1963-64 term begin with the meeting on October 9, the planning and preparation has proceeded quite actively during the spring and summer months. We hope that our plan for the forthcoming year will fully materialize and provide the members with a total program worthy of their active participation.

At the outset it is perhaps appropriate to consider the objectives of the Chicago Section, so let me briefly mention them here. It is the objective of the Chicago Section to serve as an organization through which individuals of similar academic background and professional occupation are able to meet and participate in activities of common interest. It is the specific interest of the Chicago Section to provide a facility for the free exchange of information concerning chemical engineering and ancillary subjects of interest to chemical engineers. It is the further objective of the Chicago Section to promote chemical engineering as a profession in concert with the aims of the National A.I.Ch.E.

The work which must be done to accomplish these objectives depends to a major extent upon the personal contributions of the officers and committee members. The identification of the individuals who have generously volunteered their time to accept responsibilities in the management of the Chicago Section is given in another section of this issue.

The monthly meetings of the Chicago Section are the focal point of our activities. This year there will be six regular meetings, in addition to a meeting in conjunction with the Annual Chicago Section Symposium. Also, there will be one social meeting which is traditionally called Ladies' Night. An expansion of the program at the regular meetings is planned to present a more complete offering of the technical information to the membership. The program is described as a separate report in another section of the Newsletter.

A Chicago Section Symposium is planned for this year, and considerable progress has already been made in lining up this meeting. We have tried this year to set-up our programs early in the year, hopeful to

obtain outstanding speakers in the various subjects under consideration and also to provide the maximum opportunity for publicity of our activities.

Date

Oct. 9

Additional activities of the Chicago Section include a program to foster the advancement of chemical engineering among foreign students. Also, the promotion of chemical engineering as a profession to high school students is an active program of this organization in order to assist in the procurement of an adequate quantity of qualified students for chemical engineering. Furthermore, we are cooperating with a number of technical societies in committees to work on matters of mutual interest to the participating groups.

Nov. 13

In the final analysis the success of the Chicago Section is contingent upon the active cooperation of the membership in participating in the affairs of the section. I hope that what we have to offer will stimulate interest among chemical engineers in this area and thereby truly fulfill the stated objectives of the Chicago Section.

I look forward to meeting with you on October 9.

Larry Stine, Chairman
Chicago Section, A.I.Ch.E.

BILL BRAZELTON APPOINTED
TREASURER OF THE CHICAGO SECTION:

Dec. 11

Chairman Larry Stine has announced the appointment and ratification by the board of directors of Bill Brazelton to the position of treasurer for the 1963-64 term. The resignation of treasurer elect Richard Narta for personal reasons created the treasurer vacancy.

Bill Brazelton brings with him extensive experience in section activities gained through being chairman of the Program Committee (1957-58) and treasurer of the Chicago Section (1958-59). In the spring of 1963 he was appointed chairman of the committee to study technical obsolescence in engineering. Since 1946 he has been associated with Northwestern University. Here his academic and administrative ability has led to his 1962 promotion to the position of associate dean of the Technological Institute.

PROGRAM SCHEDULE FOR 1963-64 SEASON

<u>Date</u>	<u>Place</u>	<u>Program</u>
Oct. 9	Builders' Club Chicago, Ill.	<u>After Dinner Program</u> Speaker: M. J. Sterba Head of ER&D Dept. Universal Oil Products Co. Subject: The Refining of Petroleum with Hydrogen
Nov. 13	Villa Moderne Motor Hotel Highland Park, Ill.	1. This is a joint meeting with Wisconsin Section, A.I.Ch.E. 2. <u>Pre-Dinner Technical Discussion</u> Subject: The Selection and Operation of Pumps for Corrosive Service 3. <u>After Dinner Program</u> Speaker: Dr. William Licht Head of Chemical and Metallurgical Eng. Dept. Univ. of Cincinnati Subject: Is Engineering Education Adequate?
Dec. 11	IIT Research Institute 10 West 35th Street Chicago, Illinois	1. This is a joint meeting with American Institute of Aeronautics and Astronautics 2. <u>Pre-Dinner Tour</u> of Selected Facilities at IIT Research Institute 3. <u>After-Dinner Program</u> Speaker: Dr. Oswald Lange Special Assistant for Scientific & Technical Analysis to Dr. Werner Von Braun National Aeronautics & Space Administration Subject: Launch Vehicle Development for Future Manned Missions

<u>Date</u>	<u>Place</u>	<u>Program</u>
Jan. 8 1964	Builders' Club Chicago, Illinois	<u>After Dinner Program</u> Speaker: Dr. Donald A. Dahlstrom Vice Pres. & Director Research & Development The Eimco Corp. Subject: International Relations -- A New Dimension for Chemical Engineers and A.I.Ch.E.
Feb. 10	Sherman House Chicago, Illinois	<u>Chicago Section 1964 Symposium Dinner</u> Speaker: Dr. J. J. McKetta Dean of College of Engineering University of Texas Subject: To be announced
Mar. 11	Vogel's Restaurant Whiting, Indiana	<u>After Dinner Program</u> Speaker: R. Barlow Smith Director Process Design Div. Sinclair Research Labs., Inc. Subject: Fractionation
Apr. 11	Annual Ladies Night Meeting	- Location to be announced Program to be announced
May 13	Builders' Club Chicago, Illinois	<u>After-Dinner Program</u> Election of Officers Speaker: Dr. H. P. Meissner Professor of Chemical Engineering M. I. T. Subject: Fuel Cells

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C o m i n gSOMETHING NEW!

CHICAGO SECTION'S ANSWER TO ENGINEERING ABSOLESCENCE!

Although the Chicago Section's Program Committee is not presumptuous enough to claim a solution to the technical obsolescence of engineers, it has taken a step to acquaint the section with the latest ideas in selected engineering subjects. Beginning with the November 13 meeting a series of discussion groups on technical subjects will be held prior to the Social Hour. Led by prominent people in the industry, each group will discuss a pre-selected topic with questions from the floor, an integral part of the meeting.

The subjects of discussion for November 13 will be "The Selection and Operation of Pumps for Corrosive Service." The meeting will begin at 5 p.m. at the Villa Moderne and will adjourn in time for the 6 o'clock Social Hour.

A Stamped Addressed Envelope is Enclosed

Every year at this time the section begins its annual task of collecting dues from present members and soliciting for new ones. This year the section's goal is 600 members, and an intensive drive will be made to reach this figure.

A study of the schedule of events in this Newsletter will show you that the 1963-64 program is a good one. A group of qualified and interesting speakers has been assembled, plant tours and a series of pre-dinner technical discussions will be offered, and an all day symposium has been arranged.

These activities justify and warrant your support. One way of doing so is by taking time NOW to mail your dues in the enclosed stamped addressed envelope. The fee is again only \$3.00. Your cooperation will spare the membership committee the task of personally contacting you and allowing it to concentrate its efforts on recruiting new members.

Representatives of the membership committee will also be available at the monthly meetings to accept your dues.

Program Highlights for the 1963-64 Season

With the program for the 1963-64 season in the final stages of completion, we can give you a good preview of the forthcoming year. You can look forward to such program highlights as speakers on unit operations, space exploration, engineering education, technological advancements and international engineering. Other major features are plant tours and a new "innovation" -- pre-dinner discussions. This agenda is in accord with the Program Committee's aim to offer a diversified program within the domain of chemical engineering. A brief description of activities for the year follows:

Speakers at Monthly Meetings

Following dinner and a brief business meeting, each of the eight monthly meetings is highlighted by a speaker prominent in his field. Presently speakers for seven meetings have been obtained including such national A.I.Ch.E. notables as ex-president J. J. Mc Ketta and our own Vice President Donald A Dahlstrom.

Plant Tours

Since plant tours have been well received in the past by the Chicago Section, they have been planned again for this year. On October 19, in conjunction with the AIAA we have been invited to participate in a tour of selected facilities at Argonne National Laboratories. At the December meeting, we have arranged a tour of several facilities at IIT Research Institute.

Pre-Meeting Technical Discussions

The program committee has planned to expand its program this year to include pre-meeting technical discussion sessions prior to the regular monthly meetings. The objective of these sessions will be to treat a specific technical subject in an informal type meeting. We intend to arrange a panel of about four engineers who are working in the field under consideration to discuss questions submitted by the membership. The first session of this type will precede the regular November meeting and will be concerned with the "Selection and Operation of Pumps for Corrosive Service."

A. G. Lickus - Chairman, Program Committee

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ARGONNE NATIONAL LABORATORIES TOUR PLANNED

The Program Committee has arranged a joint tour with the American Institute of Aeronautics and Astronautics of Argonne National Laboratories for Saturday, Oct. 19, 1963. The tour was scheduled for Sat. to allow you ample time to view the (1) Experimental Boiling Water Reactor, (2) Chemistry Division, (3) CP-5 Research Reactor, and (4) Practical Acceleration Division.

Reservations are required and must be obtained by Oct. 14. Detailed directions will be sent on receipt of the reservation. A luncheon costing \$3.50 (8 oz. steak) will be held at 12 noon. However, it is not compulsory to attend the luncheon to participate in the tour. Tour starts at 1:30 P.M. Please submit reservations to:

Mr. George Ziegenhorn
Podbielniak, Inc.
Franklin Park, Ill. (451-2900)

O u r T h a n k s T h i s M o n t h t o

Fuente and Webster, Inc., our host at the Social Hour preceding the October meeting. Dan Webster, Herb Fuente, Al Wilcox, Joe Jacobson and Bob Thoreson make up its sales staff. A number of these able process equipment engineers are well known to us for the active role they've taken in the A.I.Ch.E.

Fuente and Webster, in Chicago at 549 Randolph St., since 1949, handles equipment for the chemical and process industries and specializing in mixing and processing of fluids and solids. It represents the Mixing Equipment Company of Rochester, New York, manufacturers of Lightnin Agitators, Blenders and Process Columns for liquid handling. In the field of equipment for handling and processing of solids and solid-liquid combinations, it serves as the representative for Patterson-Kelley Company of East Stroudsburg, Pennsylvania, Strong-Scott Manufacturing Company of Minneapolis, Minnesota and Vibra-Screw Feeder Company of Clifton, New Jersey. In addition, it represents Manton-Gaulin Manufacturing Company, manufacturers of Homogenizers, High Pressure Pumps and Colloid Mills.

MEET YOUR NEW OFFICERS

At the start of the section's new year we would like to acquaint you with the new officers who will head the section for the coming year. These men were elected to office at the monthly meeting last May.

Chairman Larry O. Stine

Larry hardly needs an introduction to A.I.Ch.E. members. Highly active in section activities during the last several years he was Vice-Chairman in 1962-63. Prior to that, he served on the Program Committee for two years, during one of which he was chairman. He also headed the Foreign Student Committee in 1961-62.

Larry is presently Manager of Process Development at Universal Oil Products. Upon his graduation from Northwestern with a M.S. in Chemical Engineering in 1948 he joined Universal Oil as a chemical engineer in the pilot plant section. Between his original assignment and his present position, he has worked in several capacities including refining startup supervision.

Athletics is Larry's major recreational activity, and during the summer months he is an ardent golfer. The Stines have two daughters.

Vice-Chairman Hank G. Thorne, Jr.

Hank is Supervisor of Investment Evaluation at American Oil Co. Previously with Amoco Chemicals and Standard Oil's research department, he specialized in economic evaluation. He has a B.S. degree in Chemical Engineering from Cornell University and a M.B.A. in finance from Northwestern.

For two years he was a member of the Membership Committee and has been chairman of the Publicity and House Committees. Last year, Hank served as secretary, following a term as treasurer of the section. Simultaneously he has been active in the Chicago Section of the American Cost Engineers, culminating in becoming its director last year.

Between his participation in two organizations and keeping current with his job, Hank has little spare time. He is a hi-fi enthusiast
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Secretary William T. Sullivan

Bill has the position of Manager of Engineering Development at Abbott Laboratories. Currently on loan to the Commercial Development Dept., he is responsible for making evaluations and recommendations for new products and ventures.

Upon graduation from the University of Michigan with a B.S. degree in Chemical Engineering, Bill joined Abbott Laboratories for the first time for a 10-year period, working in the engineering, development and production departments. He spent the next five years with Podbielniak, Inc. in their sales department before returning to Abbott Laboratories. Bill is one of the more traveled members of the section, having spent considerable time in the Far East for Podbielniak and returning only recently from a two month European market evaluation trip for Abbott.

Active in the Chicago Section for the last several years, Bill has been a member of the Vocational Guidance Committee for two years, chairman of the Membership Committee for one year, and treasurer last year. He has also been active in the national Membership Committee and presently is on the national Admission Committee.

Bill is an enthusiastic sailor and owns a 18-foot sailboat which he sails on Lake Michigan in everything less than a full gale. He also lists photography and his five children amongst his hobbies.

Treasurer William T. Brazelton

Bill presently is Associate Dean of Northwestern University's Technological Institute. Since his initial assignment at Northwestern in 1946, he has held positions of growing importance culminating in his present capacity. He has also found time to obtain his M.S. (1948) and his PhD (1952) degree in Chemical Engineering.

Bill has been active in the Chicago Section over a number of years. He has been chairman of the Program Committee and Treasurer in 1958-59. The Brazeltons have two children.

MINUTES OF MAY MEETING

The annual business meeting and last monthly meeting of the 1962-63 fiscal year was held May 8, 1963 at the Builders' Club with 98 in attendance. Dorr-Oliver Corporation sponsored the social period.

The following officers were elected for the 1963-64 season:

Chairman.....L. O. Stine Vice-Chairman.....H. C. Thorne
Secretary.....W. T. Sullivan Treasurer.....R. J. Narta
Director-at-Large (until 6/30/66)...R. L. Opila

A total of 75 votes were cast for each office. Speaker for the evening was Mr. A. N. Chirco, Manager of the Process Div., Chicago Bridge and Iron Company, on the topic "Saline Water."

EDITORIAL BOARD

T. F. Meinhold
E. H. Moczek
H. C. Thorne, Jr.

PERSONAL NEWS EDITOR

B. L. Johnson
American Oil Company
910 S. Michigan Ave.
Chicago, Ill.

BOARD OF DIRECTORS

SECTION OFFICERS, 1963-64

Chairman	L. O. Stine	Universal Oil Products
Vice Chairman	H. C. Thorne, Jr.	American Oil Company
Secretary	W. T. Sullivan	Abbott Laboratories
Treasurer	W. T. Brazelton	Northwestern University

COMMITTEE CHAIRMEN

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