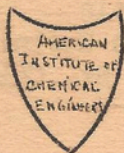


AMERICAN INSTITUTE  
of CHEMICAL ENGINEERS



A. I. C. H. E. MEETING - DECEMBER 12, 1956

CHICAGO SECTION

TIME: 6:30 P.M.

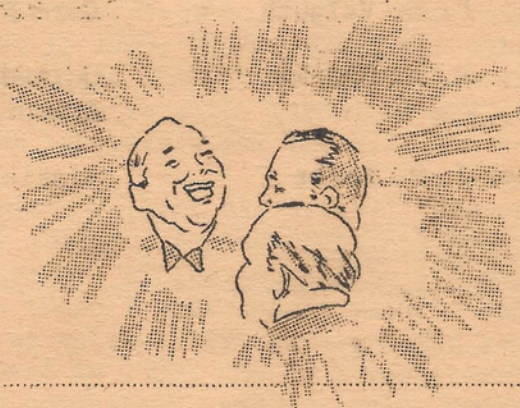
PLACE: VOGEL'S RESTAURANT  
1250 Indianapolis Blvd.  
Whiting, Indiana

DINNER: \$3.50

SPEAKER: Edward F. Obert, Professor, Northwestern Technological Inst.

SUBJECT: THE AUTOMOBILE ENGINE, TODAY AND TOMORROW

SOCIAL HOUR: Sponsored by the Hills-McCanna Co.



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DECEMBER MEETING

SPEAKER: PROFESSOR EDWARD F. OBERT

THE AUTOMOBILE ENGINE, TODAY AND TOMORROW

The performance testing of past and present model automobiles will be used to establish the changes that have occurred in automotive power plant design. This, in turn, will be employed as a basis for discussion of the horsepower race and the possible engine designs and fuels of the future.

BIOGRAPHICAL DATA

EDWARD F. OBERT

That Professor Edward F. Obert holds a strong interest in the internal combustion engine was early established when, after his first year of junior College, he designed and built his own racing car engine. Subsequently, he continued his education in mechanical engineering at Northwestern University, receiving the B.S. degree in 1933 and the M.E. in 1934. Later work at the University of Michigan led to the M.S. degree (1940). In industry with the Naval Inspection Service and the Buda Company, his work involved the testing of Diesel and gasoline engines.

Professor Obert joined the faculty of Northwestern University in 1937 as an instructor, became an assistant professor in 1940, an associate professor in 1943, and a professor in 1950. Upon establishment of the Technological Institute in 1939, he was given the entire responsibility for planning and building the Combustion Engine Laboratory and the heat Power Laboratory. Very recently (1955) he was commissioned to design the Thermodynamics Laboratory for the U.S. Air Force Academy.

Professor Obert's writings reflect his several interests. His books, which have been widely adopted, include Internal Combustion Engines, Thermodynamics, and Elements of Thermodynamics and Heat Transfer. He has research papers in these fields and in machine design. In recognition of his stature as an educator, he was named recipient of the George Westinghouse Award in 1953. He is a registered professional engineer, an engineering consultant, and a regular contributor to the

BIOGRAPHICAL DATA...Edward F. Obert

popular literature on the subject of performance testing of current model automobiles.

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NOVEMBER MEETING:

Approximately 110 people attended the November Meeting to hear Dr. Stuart McLain, speaker on "REACTORS OF THE FUTURE". Dr. McLain projected some very interesting forecasts as to the form future power generating facilities will take.

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SYMPOSIUM OF PROFESSIONAL DEVELOPMENT

November 7, 1956 will long be remembered in the annals of the Chicago Section since it was on this day that we undertook our first one-day symposium. Approximately 185 men attended the morning and afternoon panel discussions which were followed by lively question periods. Over 100 men were able to attend the dinner and hear a stimulating speaker, Norman H. Martin, talk on "The Executive as Tactician".

The social hour before dinner was not only gay, but a number of small discussion groups developed to "rehash" the subject matter of the day. The sponsors of the cocktail hour were The Eimco Corporation, Universal Oil Products, Pure Oil Co., International Mineral and Chemical Corp., Fuente and Webster, and Corn Products Refining Co.

E D I T O R I A L

THE IMPORTANCE OF BEING ACTIVE

Many are the words that have been written and spoken about the advantages for a chemical engineer in being a member of the A.I.Ch.E. For a nominal membership fee one receives the monthly publication and has the opportunity of association with other engineers at all levels.

It doesn't take long to realize the association with other engineers is going to be those in your own neighborhood. One goes to a National

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meeting and talks with many people. Very interesting, but most of them one never sees again.

So you join the Local Section. Once a month a meeting notice comes your way and off you go. After all a chemical engineer should be part of this thing, but it isn't long before you begin to wonder whether attendance at the Local Section meeting is really worth the effort. Usually the speakers are good but frequently their subject is something in which you don't feel a great deal of interest. Everyone is pleasant but maybe you feel a little bit ignored, so it isn't long before a feeling grows that the time and expense aren't worth what you get out of the association.

In any organization the real strength and satisfaction for most members from a social point of view, is the local meeting unit. It has often been said the presentation of a paper is only an excuse for the membership to get together. The real satisfaction comes from the fellowship the meeting can provide. Getting acquainted in any group takes time and persistence and a local section of A.I.Ch.E. is no exception. Regular meeting attendance and willingness to serve are bound to make one a vital member of the group.

There is a lot of satisfaction in being a real part of the local section but you have to be persistent. Maybe it seems the section is being run by a select little group but look at it this way: The section chairman and officers are anxious to do a good job so they try to enlist the aid of people who can be depended on to carry out their assignments in a satisfactory manner. Every attempt is made to spread participation but of necessity one has to be known to be asked to help. Since approximately 50% of the Chicago membership is drawn from small organizations which may have only a few A.I.Ch.E. members, there are many who do not have the assistance that contacts in a big organization can give. Every year many members of the local section Board come from organizations with a small number of chemical engineers.

For too long a time the National A.I.Ch.E. organization and the local sections functioned almost as two separate camps but in the last few years there has been a serious attempt by National Council to bind local sections more tightly into the group. The future growth and publication policy of the Institute are forcing more and more serious consideration of means of strengthening and building up local sections. Strong local sections can be nothing but a bulwark for the entire Society since most

members can participate mainly at a local level. In the future the value of local sections will be recognized more and more and the personnel of National committees will contain larger percentages of local section nominees.

Broadening friendships in a local section by working into its operation by service on committees inevitably helps to broaden acquaintance on a National basis. Attendance at National meetings becomes much more enjoyable when a solid group of friends are there with you to further your contact and make their friends your friends.

R. A. Clarke

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DECEMBER 13, MEETING OF THE CHICAGO SECTION OF AMERICAN CHEMICAL SOCIETY

PLACE: Furniture Club of America ,666 North Lake Shore Drive

SPEAKER: John Nash Ott will speak on "Research Through Time Lapse Photography"

Dinner at 6:30, \$3.50 per person. Talk at 7:45. There will be dancing for guests during the dinner hour and following Mr. Ott's talk.

Reservations may be made in advance by sending a check for the number of tickets desired to the Chicago Section ACS by noon of Monday, Dec. 10. Reservations may be made in the usual way, also; that is by writing or telephoning the Chicago Section office by noon of the meeting date and picking up tickets at the meeting place.



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A.I.CH.E. PERSONAL NEWS

Mr. and Mrs. Leonard Nelson, Carbide and Carbon Chemical Corp. are the proud parents of a boy born September 21, 1956.

Mr. L.R. Wood has been promoted to Plant Superintendant at Witco Chemical Company.

A recent speaker at the Calumet Sub-Section of the American Society for Quality Control was Mr. E. W. Ellis of Cities Service Oil Company. His talk was on "Application of Statistics to Laboratory Testing".

Recent additions to the refinery laboratory staff at Cities Service Oil Company are Mr. Richard Monak from Tri-State College and Mr. Norman Sprague from Antioch College.

F. W. Velguth, Corn Products Refining Company, Central Engineering Dept. took charge of the Instrument Engineering Group on December 1, 1956. He previously was a staff engineer in the Process Design Group.

E.T. Harding has been transferred from the Research and Development Dept. of Corn Products Refining Company to their Chicago Office to assume the duties of Coordinator of Technical and Recruiting Placement. His previous duties as Assistant to the General Manager of the Research and Development Department were assumed by F.J. Holsinger.

Mr. Wen Seng, formerly with the Dearborn Chemical Company has joined the Research and Development Department of Corn Products Refining Co.

Stan Kubu of Corn Products and his wife Bea are the proud parents of a new daughter, Susan Jean, born November 19, 1956.

Mr. L. M. Forstall has been transferred from the Research Department to the Supply and Transportation Department at Standard Oil of Indiana.

Recent Additions to the Engineering Department of Standard of Indiana are Mr. J. L. Kuzminski (Purdue University '54), and Mr. A. M. Rathne (Lehigh University '56).



AMERICAN INSTITUTE OF CHEMICAL ENGINEERS  
CHICAGO SECTION  
Mr. E. T. Harding, Sect.  
Corn Products Refining Co.  
Box 345  
Argo, Illinois



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Harrison S. Backus	Robert A. Clarke	Guilford Gerlach
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William W. Bodle	Richard H. Eshbaugh	Robert V. Heinze
H. G. Bogie	Walter Fagan	Craig Henderson
Edward A. Bohjanen	William Feldman	C. J. Hickman
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