

AICHe Meeting: February 13, 1963

Place: Builders' Club  
228 North LaSalle  
Chicago Loop

Social Hour: 6:00 P.M.  
Dinner: 6:30 P.M.

Sponsor: Fuente & Webster, Inc.

Cost: \$4.25 (Members) \$4.75 (Others)

Speaker: Mr. R. Aufmuth  
Vice President of Engineering  
Arthur G. McKee Co.  
Cleveland, Ohio

Subject: "Piping; Estimating &  
Engineering"

MARK YOUR CALENDAR FOR THE MARCH MEETING

Date: March 13, 1963,  
Place: Vogel's Restaurant, Whiting, Indiana  
Speaker: Mr. Jack Crump, Chief Application Engineer,  
Nuclear Chicago Corporation  
Subject: Density and Moisture Measurement by Nuclear Techniques

## ABOUT THE SPEAKER:

Ray Aufmuth graduated from Fenn College in Cleveland with a degree in Mechanical and Metallurgical Engineering. He did post-graduate work at Case Institute of Technology, Cleveland, in the field of Engineering Administration.

After serving as co-ordinating engineer for product invention and development at Thompson Products, he became Chief Engineer for the S. K. Wellman Company, a manufacturer of by-metallic friction materials. During the time that Mr. Aufmuth was Vice-President of Engineering for the H.K. Ferguson Company, he spent several years in Europe establishing offices and overseeing metal, chemical, food, and atomic energy projects. With the Arthur G. McKee Co., Mr. Aufmuth is responsible for the engineering of projects in the chemical, petrochemical and petroleum refining areas.

A registered professional engineer in 22 states, Mr. Aufmuth is a member of the National Society of Professional Engineers, and the Cleveland Engineering Society. With the National Bureau of Registration, he is chairman of the Committee on Engineering laws.

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Dr. Philip C. White - Captain of Industry

Dr. Philip C. White will be honored as a Captain of Industry at the February meeting of the Chicago Section.

Dr. White has been with American Oil Company and Standard Oil Co. (Indiana) for 24 years. His research experience has covered many fields, including process work in catalytic cracking, alkylation, and hydrocarbon synthesis, various aspects of fuel technology, and analytical and quality control problems.

He started his career with the Standard Oil research department at the Whiting, Indiana laboratories in 1938. He served as chief chemist of the Whiting Refinery for several years following the war and then directed research on fuels and special products.

In 1951 Dr. White was appointed manager of research and development for affiliated American Oil Co., at Texas City, Texas.

In 1956 he returned to Standard Oil as manager of research. He was named general manager of research and development in 1958 and continued in that capacity after the research and development consolidation January 1, 1960.

With the extensive corporate reorganization of Standard Oil Co. (Indiana) December 31, 1960, Dr. White became general manager of research and development and a director of American Oil Co. There are about 1,100 professional and non-technical employees in the department at various locations.

Dr. White is a member of the American Petroleum Institute, its Division of Refining Program Committee, and the General Committee of the newly formed Division of Science and Technology; a member of the American Chemical Society; American Institute of Chemical Engineers; Society of Automotive Engineers; Industrial Research Institute; Research Committee of the National Association of Manufacturers; is currently president of the Research Directors' Association of Chicago; and a director of the Chicago Area Research and Development Council.

He is a member of the University Club, Hinsdale Golf Club, Chikaming Country Club (currently president), Chicago Crime Commission, Economic

Club of Chicago, University of Chicago Alumni Association (currently vice president), and Board of Elders of the Union Church of Hinsdale.

A native of Chicago, he received both his bachelor's and doctor's degrees from the University of Chicago. Dr. and Mrs. White have a daughter and two sons, and make their home in Hinsdale.

Dr. White will give a short talk on the vocational and avocational obligations of the technically-trained man.

#### FOREIGN STUDENTS ATTEND SECTION MEETING

The Chicago Section was pleased to have nine students from Northwestern attend our last meeting. Countries such as France, Yugoslavia, and India were represented by the students.

The section is continuing to entertain foreign students from I.I.T. and Northwestern in members' homes during the year. A continuing effort on our part has made these students feel more at home in an otherwise somewhat strange environment.

Recently a letter was received from one of our members following an evening visit as set up by your Foreign Student Committee and is in part quoted as follows:

"On Sunday, November 18, Mr. Shou-Chang Chu, a graduate student in Chemical Engineering at Northwestern University from Formosa, and his wife, Judith Kung-Tso Chow visited our home. Mr. Chu is working for his PhD and Mrs. Chu is a chemist employed by Borg-Warner Corporation in Des Plaines.

"It turned out to be a very educational experience, at least from our point of view. We all compared Western and Oriental history, politics, art, literature, agriculture, education and family customs. Mr. and Mrs. Chu were originally from Peking and Nanking in the mainland of China and fled to Formosa when the Communists took over in 1947. He graduated from college in Formosa and then came to this country to get his masters degree at Gainesville, Florida and is currently

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working on his doctorate at Northwestern. It was very interesting to learn his point of view on Sino-American relationships regarding American participation in World War II against Japan, the ill-fated visit of General Marshall in 1946, the unfortunate incident over the court-martial of a U.S. soldier in Formosa in 1947 and the role of Chiang Kai-Shek in all these political and military matters. Although there was a world of difference in our background and theirs in religion, culture and methods of government, a sense of humor and genuine good will prevailed throughout the entire visit.

"We all felt the visit was a very worthwhile project for promoting international understanding, education, and good will."

If other members feel they would enjoy participating in the program, please call Norm Scott at BI 2-2760.

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ABSTRACT OF MINUTES OF THE 241st MEETING OF THE CHICAGO SECTION

President Harry Betzig opened the meeting and summarized the highlights of the December National Meeting. Greg Lickus introduced the speaker for the evening, Dr. James J. Brophy, Director of Technical Development for the Armour Research Foundation. Dr. Brophy talked about important developments in physics and electronics, which are so significant that he referred to them as "Shock Numbers." Among the interesting points covered was the fact that the speed of light has become a bottleneck in the use of computers. Because of this, computers must be redesigned. To illustrate the amount of government spending, Dr. Brophy stated that NASA alone spends one-half as much as the total spent by private industry on R&D. As the new developments become known to the public, they will lead to tremendous industrial applications in the future.

Attendance at the meeting was 95, including 9 foreign students from Northwestern.

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## ILLINOIS ENGINEERING COUNCIL MINUTES

Resume of December 8, 1962 Annual Meeting - H. M. Betzig

1. A motion was passed that the Executive Committee for 1963 be instructed to amend the by-laws to establish an interprofessional relations committee, said committee to be made up of representatives from all member societies of IEC plus representatives from architects' societies and other professional societies.
2. Since the Mayor has appointed an individual who is not a registered architect or structural engineer, (as required by law), as acting building commissioner a resolution has been prepared by the IEC, the ISPE, the AIA, the ASCE and the CACE to petition the Mayor to make his selection of a new building commissioner in accordance with the statutes.
3. A motion was passed by the Legislative Committee to approve the draft of the proposed amendment to the Illinois Professional Engineering Act, dated October 4, 1962, to permit professional engineers to incorporate. (Note: AICChE took exception to some of the restrictions.)

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### ENGINEERS WEEK IN CHICAGO

Mayor Daley has proclaimed the week of February 17th to 23rd as Engineers' Week in Chicago. This will be part of the nationwide observance of Engineers' Week. The local highlight will be the Washington Award Dinner, Wednesday, February 20, at the Furniture Club of America. The address is 667 North McClurg Court, Chicago. There will be an informal reception starting at 5:30 P.M., with the dinner at 7:00 P.M.

The winner of the Washington Award this year is Dr. Philip Sporn, Past President of the American Electric Power Company, one of the nation's great utility holding corporations. Also to be presented at the dinner, is the winner of the Professionalism Award, which goes to the company in the Chicago area doing the most to encourage professionalism among its engineers. (continued)

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Remember that this year there will be no separate Chicago Engineers' Week Banquet. The Chicago Engineers Public Relations Committee has joined with the Washington Award Commission to sponsor one combined banquet.

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CIRCLE MARCH 11-14 ON YOUR CALENDARS,  
IMPORTANT DATES FOR A.I.Ch.E. MEMBERS

J. F. Van Antwerpen, AIChE Executive Secretary says March 11-14 is about the most important period on the engineering calendar for 1963.

That's when the Petrochemical and Refining Exposition will be held in the Municipal Auditorium in New Orleans in conjunction with the 49th National and Technical Conference of AIChE.

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The Exposition will present hundreds of products and services used by every segment of the petrochemical and petroleum refining industries.

Technical sessions will be held in rooms adjacent to the Exposition so members can easily move from meetings to exhibit areas.

Mr. Van Antwerpen warns members not to overlook the Technical Sessions to be held concurrently with the Exposition. Thirty-two technical subjects in 17 different fields of interest are on the agenda.

Our Technical Conference, Mr. Van Antwerpen points out, will reflect the dynamic nature of the petrochemical and petroleum refining industries and the fast rate of expansion now taking place in these industries. (continued)

The Exposition will feature density equipment, heat resistant alloy castings, steam purifiers, evaporator-strippers, computing systems, rotary pumps, pressure relief devices, loading arms, mechanical packings and shaft seals, precious metal catalysts, corrosion resistant glass fiber tanks, compressors, rupture discs and flange assemblies and valves of every design and description.

Also molecular sieves, refining instrumentation and controls, filters of every style and type, flowmeters, pipe fittings, glass and metal fractionating column, centrifugal dryers, glass-lined chemical reactors, spray nozzles, heat transfer equipment, combustion equipment and turbo-machinery.

The Reber Friel Company of Philadelphia, nationally known exhibits management firm which created the previous AIChE Petrochemical and Refining Exposition, is in charge of the 1963 Exposition.

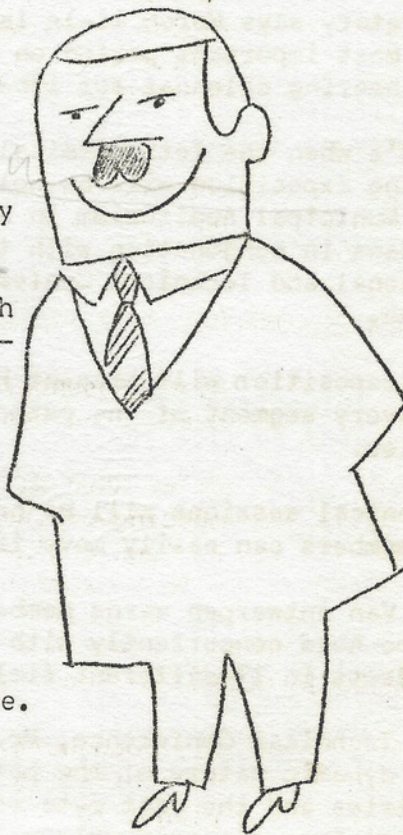
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#### ENGINEER'S WEEK - BANQUET IN CALUMET AREA

The Calumet Chapter of the Indiana Society of Professional Engineers, in cooperation with eight other Calumet Area Engineering Societies is honoring Engineer's Week with a banquet at Teibel's Restaurant on Thursday, February 21, 1963.

Dr. T. A. Boyd, General Motors Research Staff Consultant, Detroit, Michigan, will be the principal speaker of the evening. His topic for the banquet will be, "I Believe In Miracles."

Tickets are available from Ben Johnson, and should be ordered by February 15, so that necessary reservations can be made.



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PERSONAL NEWS :

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ABBOTT LABORATORIES - Reporter: J. R. Coates

Bernie Tjarksen of our Chemical Manufacturing Department was married on November 17. He and his wife, Charlotte, are living in Waukegan.

AMERICAN OIL CO. - Reporter: M. F. Oxenreiter

The following fifteen men were transferred from Texas City to the Whiting Laboratories: R. L. Aiken, B. M. Drickard, B. M. Funderburk, D. M. Groves, W. H. Hopson, T. P. Li, L. M. Lovell, J. B. Milwee, J. W. Mitchell, C. G. Mullen, P. J. Naquin, R. Q. Peterson, C. J. Robinson, R. J. Rosscup and E. R. Strong. Also, K. R. Watson was transferred from the General Engineering Department to the Research and Development Department.

The role of the Chemical Engineer in Petroleum Research and Development was described by G. W. Schustik at the University of Louisville.

BORG-WARNER CORPORATION - Reporter: G. Watters

R. H. Rosenberg joined Borg-Warner Chemical Engineering Staff. He was formerly with Victor Chemical Works.

W. F. Rush will present a paper at the February 13th meeting of the American Society of Heating and Refrigeration Engineers in New York. The paper will deal with corrosion mechanisms.

CORN PRODUCTS COMPANY - Reporter: E. C. Tolczko

Bill Dougherty and Dick Olson returned just in time for Christmas from a European tour of Corn Products plants in England, Germany and Italy. (continued)

CORN PRODUCTS COMPANY...(continued)

Byron Martin was promoted to Director of Engineering of the Knorr Soup Group. He will be located at the Argo Plant.

Ray Anderson was transferred from the Instrument Group to the Process Group.

NATIONAL DAIRY PRODUCTS CORPORATION - Reporter: W. H. Zamzow

Stan Osri has been promoted to Director, Product Development. He was formerly Division Research Manager, handling liaison between Kraft Foods and the Research and Development Division, in absorption refrigeration systems and inhibitors in lithium bromide systems.

VICTOR CHEMICAL WORKS - Reporter: A. Hodel

Gil Opperman and Molly Cardenas were married on December 29, 1962.

VISKING COMPANY: Reporter: E. McGlynn

Fred Becker and Paul Frey of the General Engineering Department are in Indianapolis, Indiana on a temporary assignment.

Fred is expected back in Chicago in time to edit Personal News for the next copy of the Newsletter.

FROM THE C

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FROM THE CHAIRMAN'S DESK:

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u- After the successful election campaign and Annual Meeting which we mentioned here last month, we should not forget that there are still several areas of activities in which we all can participate with more enthusiasm and affect. Each member could certainly do more towards getting additional candidates for membership among his business contacts and associates. The response, so far, on the part of the general membership in support of the Foreign Student Program has been apathetic at best. These are two ways in which each individual can participate in Section activities.

There will be a board meeting preceding the next meeting at the Builders' Club on February 13th. If there are any members who would like to see how the Board operates or who would like to make suggestions, they might stop in about a half hour to an hour before the cocktail hour begins. Section business is conducted in board meetings in order to keep the regular meeting more interesting.

d The board will discuss participating in an additional Professional Development Luncheon similar to one held last year. The Chicago Section pioneered this approach toward discussing with management from local chemical industry the aims and aspirations of the engineers on their staffs and soliciting information on what problems, if any, management has noted. The several individual luncheons and the one general luncheon held last year, were very well received.

Because this is the fifth straight year in which freshmen enrollment in engineering schools has declined, we should all feel more valuable if only for reasons of scarcity, and this scarcity cannot be altered inside of four to six years. At the same time, however, technical obsolescence is making steady inroads on the value of each of us to the present state of technology. It is sometimes very humbling to talk to the younger engineers. This is a problem that other sections have attempted to ease by means of seminars and programs for updating technical background of the membership. If there is sufficient interest, we might also consider this approach.

Incidentally, only one formal objection has been made to us about the compulsory National membership as a requirement for Section membership. The board of directors will act accordingly.

Harry M. Betzig, Chm.

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Chicago 38, Illinois

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