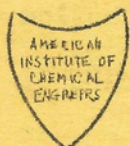


# AMERICAN INSTITUTE



# of CHEMICAL ENGINEERS

## A. I. Ch. E. MEETING

### CHICAGO SECTION

Date: November 12, 1958

Time: 6:30 P.M.

Place: Vogel's Restaurant  
1250 Indianapolis Blvd.  
Whiting, Indiana

Speaker: Mr. R. P. (Rudy) Lowe  
President, Proportioneers, Inc.

Subject: "Automatic Continuous Stream  
Blending"

*H. W. Corley  
Speaker*

Mark Your Calendar to Keep the Date Open For the  
NEXT Meeting of the Chicago Section

Date: December 10, 1958

Place: Mangum's Chateau

Speaker: Mr. Hoyt W. Corley, Staff Assistant to  
Vice President, Armour and Company

Subject: "Chemical Market Research"



### ABOUT THE SPEAKER

Mr. R. P. (Rudy) Lowe, Director of B-I-F Industries, Inc., and president of its Proportioners Division, will be the speaker for the November 12 meeting. His talk will outline economic factors contributing to the rapid development of "stream blending", an automation technique which will be discussed and illustrated. The "leading element" theory will be explained with reference to the blending of both dry and liquid ingredients.

Specific applications of the system in the blending of gasolines, lubricating oils, and heavy distillates will be covered and profusely pictured in color. Illustrations of Shell Products Pipeline Company's Stream Blender at Oleum, British-America's installation at Clarkson, the Standard Oil Company's Toledo Plant, Sacony Mobil's Paulsboro lube blending facilities, Phillips Petroleum's Woods Cross, Utah asphalt plant and Texas Eastern's Little Big Inch conversion will be shown.

Born in London, England, Rudy graduated from Illinois Institute of Technology in 1922 with a BS in Mechanical Engineering. Over a span of about ten years after graduation he was Chief Engineer for a large Chicago architectural firm and later became President of Builders Engineers, Inc., who served the building industry as engineering designers for mechanical and electrical facilities.

### FROM THE CHAIRMAN

The first meeting of the season was very successful. The committees worked hard and indications are that we will have a series of meetings everyone will enjoy.

Dr. V. J. Cushing's subject was of interest to all. His presentation was excellent and we are sure those who were not present missed a wonderful opportunity to become space experts.

As you know, Hank Nolting was elected to Council of the National. He has resigned from the Board of Directors of the Chicago Section. Hank's advice and help will be missed, but all is not lost - he is now our representative to Council. Dr. E. F. Wagner has accepted the

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tend to hold down engineers' salaries by legislation and negotiations in federal contracts.

5. There is a hoarding of engineers by many companies, particularly in the aircraft industry.
6. The high salaries for engineers is applicable generally only to recent graduates who start at about \$500 per month and may never double it in a lifetime.
7. The future supply and demand picture for engineers appears balanced through 1965.
8. Even if the economy continues at present high levels, engineers' economic status as a group will not change or improve unless engineers collectively pool their resources and efforts to exert political influence in Washington and in State Capitols.

As a result of the information developed herein from the sources mentioned, I, as chairman of the committee, would like to recommend that the Illinois Engineering Council do the following:

1. Increase our lobbying activities at Springfield to promote an increase in all salary bracket of bona-fide engineers now working for the State of Illinois.
2. Recommend to the State and to private engineering colleges that quality of engineers and not quantity be stressed in our engineering schools. It is also recommended that reprints of the December, 1957, Fortune article, "The Turn in the Engineer Market" be mailed to all Deans of Illinois Engineering Colleges.
3. That we recommend to the Engineers' Joint Council that they help finance another study by the National Bureau of Economic Research on "Scientific Personnel, Their Supply and Demand for the Years 1953 through 1957."

Octave J. DuTemple, Chairman of Committee  
Engineers' Economic Status for 1957.



## PERSONAL NEWS

The Chicago Section was well represented at the AIChE National Meeting in Salt Lake City with the following men contributing papers:

- R. B. Smith and T. Dresser (Sinclair Research) "A P-V-T Apparatus for Determining Reaction Rates at High Temperatures"
- R. B. Smith (Sinclair Research) "Kinetic Analysis of Naphtha Reforming with Platinum Catalysts"
- H. H. Newman and R. C. Bennett (Swenson Evaporator) "Circulating Magma Crystallizers"
- H. R. Linden and J. M. Reid (Institute of Gas Technology) "Process Variables in the Production of Ethylene from Fluid Fossil Fuels"
- D. A. Dahlstrom and D. Matschke (Eimco and Northwestern) "Energy Requirements and Solid Elimination Efficiency of Miniature Hydrocyclones"

In addition, L. W. Russum of Standard Oil was Chairman of the Petroleum Refining Symposium.

Other local members who attended the Salt Lake City meeting were:

H. C. Thorne, Jr. (Amoco Chemical); T. G. Bernhardt (Swenson Evap.); H. G. Glover (Swenson Evaporator); C. V. Berger, J. A. Neuman and C. Watkins (Universal Oil Products); and P. K. Carrell and E. F. Linskey (Corn Products). Also, C. G. von Fredersdorff, E. B. Schultz, Jr. and W. G. Bair (Institute of Gas Technology).

New members of the staff at Union Carbide Chemicals' Whiting Plant are K. J. Gustafson from the University of Minnesota, T. R. Larrison from the University of Denver, and R. W. McCord from Purdue.

M. K. D. Sanghvi has returned to Standard Oil after teaching for a year at Bombay University. J. D. Nielsen of Standard spent a month touring Western Europe recently.

Dr. R. G. Taecker, head of the International School of Nuclear Science and Engineering (ISNSE) at Argonne National Labs, attended the recent Geneva Conference on Peaceful Uses of Atomic Energy. A reunion of graduates of ISNSE was arranged by the University of Chicago and the

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appointment of Director-at-Large to fill the void created by Hank's resignation.

It was my pleasure at this meeting to recognize two of the hardest workers on the Board of Directors - Bill Alford and Bob Blizzard. Bill was presented with a certificate of recognition for his service as Chairman of the Section last year. Bob, retiring Director-at-Large of the section, has been a member of the board for the last eleven years and served as Chairman of the section one of those years.

Again, we wish to thank Fuente and Webster for their sponsorship of the cocktail hour preceding the meeting.

-George E. Bailie

#### AICHe TELEVISION PROGRAM

The Vocational Guidance Committee is in the process of arranging for a series of television programs on WTTW (Channel 11), Chicago's educational television station, on chemical engineers in industry. The proposed programs will probably start in January. The series will consist of five monthly programs about chemical engineers in the steel, plastics, food, atomic energy, and petroleum industries. Several companies in the area have expressed interest in backing the programs financially, as well as furnishing program material. WTTW has expressed interest in the program series, and we are now developing with them a format and preliminary program designs.

The local section's role in these television programs will be to bring the talents and financial assistance available from the companies together with the fine facilities of WTTW for educational telecasting. Our objectives are to inform the public of what chemical engineering is - and even more important - to tell them about what the chemical engineer does. Professional talent will be hired to guide us in the technical aspects of putting on the program.

The committee will need help in developing this series of programs, and its membership will be expanded to carry on this work. If you have ideas that might be useful, or know of available talent, or wish to serve on the Vocational Guidance Committee in connection with the television programs, contact J. E. Anderson of the Standard Oil Co.



ANNUAL REPORT TO THE  
ILLINOIS ENGINEERING COUNCIL FOR 1957  
COMMITTEE ON ECONOMIC STATUS OF ENGINEERS  
(Submitted on December 7, 1957)

For several years the Illinois Engineering Council Committee on Economic Status of Engineers has reported that economic conditions are so healthy that the council need not concern itself with the economic status of engineers.

This year as chairman of this committee, I made it a special point to cover current business and engineering journals to see how engineers are doing economically.

The summary presented in this report comes from surveys made by Fortune Magazine, The Wall Street Journal, the National Bureau of Economic Research and the Engineers' Joint Council.

Of these four major sources, the Engineers' Joint Council seems to be the only source that thinks engineers as a group are doing exceptionally well. The business and economic sources listed are pointing to possible trouble for engineers' economic status.

Eight major points of interest are quite clear:

1. There is no shortage of engineers at this time. It is doubtful that any real shortage ever existed.
2. The salaries of engineers from 1929 to 1952 showed a long term downtrend compared to the salaries of all wage earners and incomes of independent professional men such as doctors and lawyers.
3. The salary position of engineers from 1953 through 1956 seems to have improved.
4. About 50 per cent of the 700,000 engineers in the United States are not in a free salary market because they work for the federal or state governments or in industry under federal defense contracts. Federal and State governments,

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PERSONAL NEWS (Continued)

Swiss firm, Reaktor, A. G. which was attended by 80 former students. They represented 30 per cent of the total that have attended the school during its six sessions.

At the Sinclair Research Labs. K. A. Smith has been named Director of the newly organized Process Division. He was formerly head of the Light Oils Division. The Process Division was formed to consolidate all functions of processing research and development formerly conducted by various divisions.

Recent marriages of Chicago Section members are:

- R. E. Dudley of Standard Oil to Bion Barger
- F. Barthenheier of S. C. Johnson and Sons to Nancy Amrock
- L. R. Idaszak of Corn Products to Theresia Rogosch (Leo will be returning from Germany with his bride. He has been working at a Corn Products affiliated plant for almost 2 years)
- J. Willard of Swift and Company to Deana Kasserow (John is a recent addition to the Chemical Engineering Division at Swift)

C. E. Thorp has left the Armour Research Foundation to become President and Director of the Fiber Products Research Center at Beaver Falls, New York.

The Chemical Processing editors were covering the country during October: T. Wett visited the Paint Show in Cleveland; T. F. Meinhold went to St. Louis, Louisville, Calhoun and Irwin (Tenn.); D. B. Berg journeyed to Poughkeepsie and New York where he took part in a talk before the Chemical Public Relations Association at the Harvard Club on October 14, and G. Wegermuller traveled to Toledo, Cincinnati and Pittsburgh.

W. F. Rush has returned to Borg Warner after a four month assignment in York, Pa.

F. Doran joined the staff of Davidson-Kennedy Associates and is currently engaged as a project engineer for the expansion of Archer Daniels Midland's Soybean Processing Plant in Cincinnati. Mr. Doran was formerly with the Chicago office of Blaw Knox. (Continued)



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Chicago Section  
Mr. T. F. Meinhold, Secretary  
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PERSONAL NEWS (Continued)

F. W. Velguth of Corn Products attended the Instrument Society of America meeting in Philadelphia, September 15 - 19.

Four Amoco chemical engineers attended the Chemical Market Research Association meeting at French Lick, Indiana, September 24 - 26. They were: G. Harrington, G. Rieger, R. Todd and C. White.

M. Bush has joined Witco Chemical as assistant superintendent of the new Phthalic Anhydride Unit.

Eimco Corporation welcomed back A. Welch to the Research and Development Department after his tour of duty as a lieutenant in the Engineering Corps of the Army.

L. Froehlich of Swift and Company has switched from water skiing to flying. He purchased a Cessna 140 and expects to solo shortly.

Here are the recent family additions: Peter to F. W. Velguth (Corn Products and David Ray to G. P. Lawless (S. C. Johnson).

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R. L. Opila

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