

A MERICAN I NSTITUTE O F C h E MICAL E NGINEERS

THE NEWSLETTER

AICHe MEETING, MARCH 8, 1961

Joint Meeting of Chicago Section with American Institute of Chemists

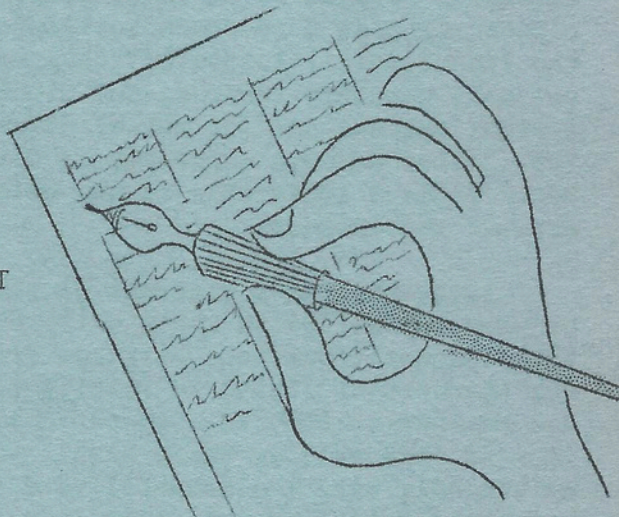
TIME: 6:30 P.M.
PLACE: BUILDERS' CLUB
LA SALLE & WACKER
CHICAGO LOOP
DINNER: \$4.00 (Paid-Up Members)
\$4.50 (Others)
SPEAKER: E. A. RAVENSCROFT
EXECUTIVE VICE-PRESIDENT
ABBOTT LABORATORIES
SUBJECT: "THE USE OF FINANCIAL
DATA IN MAKING CAPITAL
INVESTMENTS."

SOCIAL

HOUR: 6:00 P.M.

SPONSORED

BY: VICTOR CHEMICAL WORKS (DIVISION OF STAUFFER CHEMICAL CO.)



MARK YOUR CALENDAR FOR THE APRIL MEETING OF THE CHICAGO SECTION -

Date: April 8, 1961.

Place: Acacia Country Club.

Program: Ladies Night.

Subject: Vacationing in Hawaii.



The Importance of Technological Leadership

Today we find a work that has become almost predominant in advertising - image. Every product, company, politician, civic, professional and commercial group -- or what have you -- is trying to project its "image" to the public as being the superior and only choice -- whether deserved or not. So many times the public need scratch the surface of the image only a little bit to find the clay of which it is made. May I discuss, however, an image that must be real for all of us -- technological leadership.

Undoubtedly, we as engineers in the field, know one of the strongest desires of an individual, company, university or any organization as a research institute is to achieve recognition as the technological leader of its area. With this achievement comes not only monetary rewards, but vigor, added momentum, the spark for further success and the satisfaction of valuable accomplishment. Yet, let us concern ourselves at this moment with the importance of technological leadership to our beloved country. There are two aspects to consider.

First, America's progress is based upon technology just as much as upon our belief in the dignity of the individual, our constitution and our tremendous heritage from those who have preceeded us. Our standard of living is vitally connected with rapid technological advance so that through our American system, all can share in it - if they will do their part. If we just follow as a nation, we can only take the downhill road to some "ism" that is satisfied with half a loaf or even one slice for its people. This is not the American "image" and our past traditions demand we choose the upward path.

Secondly, in our relations with the other countries of the world, technological leadership is of major importance. While our spiritual beliefs are vital, our technological success should be another cornerstone upon which the free world can build a society against the despotic denial of individual rights by Communism. Furthermore, sound technology correctly applied does give moral,

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spiritual and character values to the people it contacts.

It has been my good fortune to travel several times to countries which are developing from primitive agricultural bases to at least a partial industrial economy to support its people. In traveling to these industrial communities, I have often passed through areas where labor was primarily by hand or beast, almost a complete lack of sanitation or clean and livable homes in the villages and every evidence of poverty with the crime and ignorance it breeds. When I reached the industrial area, I found almost without exception, the people erecting new and serviceable homes and towns, taking an honest pride in their work, bringing improved education to their children and assuming the responsibility of citizenship. I am also proud to say I found American technological developments, industry and individuals, taking a major part in bringing this about. Thus, we have broken the scientific "laws of conservation." Not only have we benefited ourselves in full measure from our technological progress, but so have our neighbors.

This brief discussion was not meant to pat ourselves on the back as engineers. Rather, it is to hold it up to you as a challenge. If we as engineers are content to rest on our laurels, the flame of technological leadership will fall from our country's hands and be quickly caught up by others. I don't believe we can maintain world leadership without technological leadership. If you study history at all, you will find that all great countries of the past lost their leadership not because some other country took it - they gave it away by default.

You as an engineer are a vital individual to our country. You do have a great deal of influence on whether we are to be first - or an also-ran.

D. A. Dahlstrom
A.I.Ch.E. - National Council

About the Speaker

Edward A. Ravenscroft will speak on "The Use of Financial Data in Making Capital Investments." Mr. Ravenscroft's talk will be a case study, directed toward the non-financial executive and engineer.

Mr. Ravenscroft is a chemical engineer and a member of the American Institute of Chemical Engineers. He received his B.S. in Chemical Engineering in 1928, and an M.S.E. in 1929, both from the University of Michigan.

Mr. Ravenscroft's career with Abbott Laboratories began immediately after leaving Michigan. His job history is that of "climbing the ladder, rung by rung."

- 1929 - Joined company as an Engineer
- 1932 - Became Manager of Engineering Department
- 1935 - Promoted to Chief Engineer
- 1944 - Promoted to Director of Engineering
- 1947 - Elected a member of the Company's Executive Committee
- 1951 - Elected Vice-President in Charge of Engineering
- 1955 - Became Vice-President and Comptroller
- 1957 - Became Financial Vice-President
- 1958 - Became Executive Vice-President

He also has been supervisor of the costs and cost analysis program at Abbott since 1933, and is a Director of Abbott Laboratories International Company.

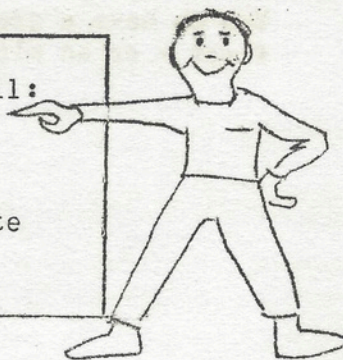
Mail the attached reservation card or call:

Hank Thorne

467-6161

Ext. 357

For multiple reservations, please indicate the names of all parties.



(SESSION A)
New Developm

9:55 a.m. -

10:00 a.m. -

11:00 a.m. -

12:00 Noon

2:00 p.m. -

3:00 p.m. -

4:00 p.m. -

(SESSION B)

New Developm

9:55 a.m. -

HERE'S THE PROGRAM FOR THE ONE DAY SYMPOSIUM
CONRAD HILTON HOTEL

March 22, 1961

Registration - 9:00 a.m. to 2:30 p.m.

(SESSION A)

New Developments for Chemical Processing

9:55 a.m. - Introduction

John A. Neuman, Chemical Products Mgr. for Universal Oil Prod.

10:00 a.m. - New Developments in Cryogenic Engineering

Dr. Matesanz, Project Engineer, Liquid Carbonic Division
General Dynamics.

11:00 a.m. - New Materials of Construction for the Chemical Industry.

John S. Rugg, Assistant Director, Elastomer Chemical Dept.,
Elastomer Laboratory, E. I. duPont de Nemours & Company, Inc.

12:00 Noon Luncheon Break

2:00 p.m. - Trends in Nuclear Chemical Engineering.

Al Jonke, Asst. Section Head, Chemical Engineering Div.,
Argonne National Laboratories.

3:00 p.m. - Development and Applications of Fuel Cells

T. G. Kirkland, Supervisor, Allied Research, Allis-
Chalmers Manufacturing Company.

4:00 p.m. - Industrial Detergents - Developments and Opportunities in

Industrial Detergent Technology - H. C. Speel, Market Research
Specialist, Universal Oil Products.

(SESSION B)

New Developments for the Engineer and Management

9:55 a.m. - Introduction

Edward T. Harding, Associate, Heidrick & Struggles.

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(SESSION B) - continued

Harry M

10:00 a.m. - Professional Development of the Engineer
Orville T. Barnett, Assistant Director, Metals Research
Armour Research Foundation.

11:00 a.m. - Management Development of the Engineer
Dr. Anthony W. Martin, Partner in Rohrer, Hibler &
Replogle, Management Psychologists.

12:00 Noon - Luncheon Break

2:00 p.m. - Psychological Aspects of Engineering Creativity

1. Creative Potential of the Engineer.
Dr. R. M. Berger, Head Aptitude-Personality
Section Test Department, Science Research
Associates.

2. Management and the Creative Climate.
Hal Boris, Associate Director of Science
Research Associates Program on Industrial
Creativity.

3:00 p.m. - New Management Concepts in Information Systems
Neal J. Dean, Partner-in-Charge, Management Information
Systems, Booz, Allen & Hamilton, Chicago.

4:00 p.m. - Compensating Professional & Technical Personnel
Forrest Wallace, Managing Partner, Chicago
Office of McKinsey & Company

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EVENING PROGRAM - ONE DAY SYMPOSIUM

Cocktail Hour.....5:30 to 6:30 p.m.
Banquet.....Waldorf Room 6:30 p.m.
Speaker.....Phillip Pitruzello, University
of Chicago, Midwest Administra-
tion Center
Subject.....New Directions for Quality
Education

-continued-

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REGISTRATION

All registrants, including those who pre-register, are to check in at the registration desk;

Location: Conrad Hilton Hotel,
Lower Towers

Time: 9:15 a.m. - 2:30 p.m.,
March 22, 1961

Fees: Meeting only, \$5.00
(Students \$1.00)
Meeting & Dinner, \$10.00
(Students \$6.00)

O U R H O S T

VICTOR CHEMICAL WORKS
(Division of Stauffer Chemical Company)

A major producer of elemental phosphorus and phosphoric acid, Victor serves more than forty industries from its versatile line of 150 phosphates, formates, and oxalates. Several major uses of Victor products are in the manufacture of detergents and soaps, foods and beverages, leavening agents, dentifrices, water-softening, metal-finishing, cleaning, and degreasing compounds, pharmaceuticals, plastics and textiles and leather.

Victor's nine manufacturing centers and eight sales offices are located in ten states from California to Florida. The research, development, and engineering functions are at Chicago Heights, Illinois. Only Victor, with phosphate rock mines and reserves at Melrose, Montana; Mt. Pleasant, Tennessee; and Hardee County, Florida, has three separate phosphorous manufacturing locations. The company's main office is located at 155 N. Wacker Dr., Chicago.

- PERSONAL NEWS -

Abbott Laboratories; Reporter - J. R. Coates

A son, Edward Dennis, was born January 30 to Mr. & Mrs. Edward G. Sevilla. Ed is a member of the Fermentation Department.

Ben Block of the Engineering Dept. is the author of a paper entitled "Binary Batch Distillation" which appeared in the Feb. 6th issue of "Chemical Engineering."

American Oil Company; Reporter - M. F. Oxenreiter

This new heading is the result of the corporate reorganization of Standard Oil Co. (Ind.) effective January 1. Essentially all of our technical people in the Chicago area now find themselves working for American Oil Co., the nationwide subsidiary responsible for refining and marketing and allied research and development activities.

Eugene Kane has been appointed Supervisor of the Projects Analysis Division in the Crude Oil Planning Department of Standard Oil Company.

Wilbur L. Gay, B. S., Illinois has recently joined the staff. He was formerly employed by the Arabian American Oil Co.

Amoco Chemicals Corporation; Reporter - B. L. Johnson

Jim Mayer addressed the 16th Annual Conference of the SPI Reinforced Plastics Division on the "Formulation and Processing of Isophthalic Unsaturated Polyesters."

Mr. R. W. Yelverton has been promoted to Director Market Development - Polymers.

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Amoco - Continued -

Mr. R. D. Sieron has been promoted to Director Market Development - Hydrocarbons.

Argonne National Laboratory; Reporter - Ira G. Dillon

New staff employees of ANL include the following:

-James B. Knighton formerly of American Smelting and Refining Company.

-Russell Edwards formerly Associate Professor at Illinois Institute of Technology.

A. A. Jonke was the father of a baby girl born January 17, 1961 (his sixth child).

Cities Service Oil Co.; Reporter - E. W. Ellis

Al Rulis and Family enjoyed a week of excellent skiing during Christmas week at Boyne Falls, Michigan.

Dave Martin recently presented a talk at Morton High School (Hammond, Ind.) on "Job Opportunities in the Oil Industry." Dave is President of the East Chicago (Ind.) Optimists Club.

Corn Products Co. - Technical Division, Argo; Reporter - J. W. Almlof

Mr. & Mrs. Ed Borsuk became the proud parents of a baby girl on December 20, 1960.

Jim Clayton and Gene McConigal, after many long evenings of study, received their degrees in chemical engineering from IIT night school. Jim and Gene have been working in the Chem. Engrg. Dept. over 4 years and for Corn Products over 10 years.

DKA (formerly Davidson-Kennedy Associated Company); Reporter - H. Betzig

DKA is now a Chicago-based concern with its corporate offices in Chicago Heights.

DKA - continued

James Iliff, Ollie Bolduc and Ray Cislak have recently returned from a trip to inspect fertilizer chemicals production facilities at the T.V.A. in Alabama.

General American Transportation Co.; Reporter - Ray Nill

E. Lyons, Manager of the Turbo-Mixer Div., and F. H. Stratman, Manager of the Louisville Dryer Div., conducted seminars on "Mixing and Countercurrent Extraction" and "Rotary and Fluid Bed Drying," respectively, at Phillips Petroleum Co. in Tulsa, Oklahoma and Continental Oil Co. in Ponca City, Oklahoma.

Great Lakes Carbon Corporation; Reporter - Milton Kaplan

Mr. F. M. Grayson and Mr. M. Kaplan have been helping start up a new addition to the Missouri Coke and Chemical Plant in St. Louis.

Institute of Gas Technology; Reporter - W. G. Bair

Mr. H. L. Feldkirchner of the Institute of Gas Technology received the degree of Master of Science in Chemical Engineering from Illinois Institute of Technology Jan. 28, 1961.

Nalco Chemical Co.; Reporter - H. L. Pabich

As of January 2, 1961, Mr. Harold L. Pabich formerly Mgr. of Economic Evaluation at the Borg-Warner Research Center in Des Plaines, has been appointed Senior Technical Specialist in charge of the same duties in the Corporate Research Department of Nalco Chemical Company.

Northwestern University; Reporter - G. G. Lamb

Professor S. G. Bankoff presided at a two-session symposium on "Phase Transitions" at the Washington D.C. meeting of

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the AIChE in December. He presented a paper on "Taylor Instability of an Evaporating Plane Interface," at the same meeting.

Professor J. M. Smith has been asked to give a talk on "Applications of Thermodynamics and Kinetics to Chemical Reactor Design" before the Research and Development staff of Dow Chemical Co., Midland, Michigan on Jan. 27, 1961.

Dragoslav Mistic, Research Fellow, will give a paper entitled "The Thermoconductivity of Hydrocarbon Gases at Normal Pressures" at the 44th National Meeting of the AIChE in New Orleans on Feb. 26 to March 1.

Putman Publishing Company; Reporter - Ted Wett

Attention Attic Cleaner Outers!

Section Chairman, Ted Meinhold, has a player piano, so don't throw away those old piano rollshe can use them.

Sinclair Research Laboratories; Reporter - J. J. Romac

H. V. Nyland, Director of Economics Division, has been transferred to New York and named Manager of General Economics for Sinclair Oil Corporation.

K. A. Smith, Director of Process Division, has been transferred to New York and named Manager of Computer Activities for Sinclair Oil Corporation.

Births: A boy, Brian, to Mr. and Mrs. J. J. Romac.

Standard Oil: Reporter - R. S. McDaniel

If your old buddies from Standard Oil don't wear that label anymore, don't get too excited. Standard didn't fire them all. Most of them now work for American Oil Co. and a few more joined Amoco Chemicals Corp. However, Standard is still represented by John Swearingen, Bob Gunness and Bob Steel.

Dr. J. P. Sachs
Visking Company
Division of Union Carbide Co.
6733 West 65th Street
Chicago 38, Illinois

TIME VALUE
Form 3547 Requested

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Chicago 80, Ill.

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