

A I C h E

American Institute of Chemical Engineers

Chicago Section

THE NEWSLETTER

AICHe MEETING: January 8, 1964

PLACE: Builders' Club
228 North LaSalle Street
Chicago Loop

Season's

Greetings

SCHEDULE OF EVENTS

SOCIAL HOUR: 6 P.M.
Sponsor - Schutte and Koerting Company

DINNER: 6:30 P.M.

Cost: Members--\$4.50
Non-members--\$5.50

AFTER-DINNER PROGRAM:

Speaker: Dr. D. A. Dahlstrom
Vice President and Director
Research and Development
The Eimco Corporation

BEST WISHES

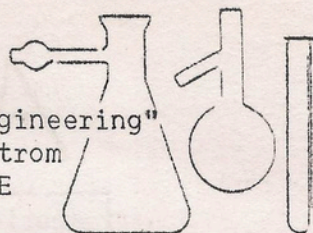
FOR THE

NEW YEAR

Subject: "International Relations--
A New Dimension in
Chemical Engineering"

FOR JANUARY

"International Relations --
A New Dimension in Chemical Engineering"
by our Section's own Don Dahlstrom
President of the National AIChE



While chemical engineering began in the United States, we have no monopoly on this technology -- its scope now is international; its role is to benefit all of mankind. A field of such importance naturally wields great influence over international relations. A vivid example -- the recent announcement by Premier Khrushchev that Russia would have to seek much of the equipment and know-how in the west for its new 7-year chemical plan. This situation is just one aspect in the new dimension of chemical engineering.

You will learn more about this important topic from Dr. D. A. Dahlstrom at the January meeting. His actual experience working with the chemical engineering industry of Europe has given him insight into the international aspect of the profession. He has seen the effect of technology in developing the new post-war Europe and creating a new independence for that continent. Europe's success has shown the importance of technology in improving the standard of living for the common man. Through it, too, lies the hope of underdeveloped nations for more stable economies and better living conditions. Perhaps chemical engineering is another weapon in the cold war of ideologies!

You'll be interested to hear, also, what you as a chemical engineer can do to broaden and improve our international relations.

Our speaker, Don Dahlstrom, needs no introduction to his friends in the Section. Prior to his present position as Vice-President and Director of R & D of The Eimco Corp., he taught at Northwestern where he rose to the position of Associate Professor from 1951 to 1956. Don has been active in both the local Section and the National AIChE. Locally he has been Director-at-Large, Council Liaison and Associate Chairman of the 1952 Chicago National Meeting. He has progressed upward through the chain of command of the National until the election to his present position of President.

MORE ABOUT

The techn
House, F
automatic
concurr
of Resea
to 4:30

Plant an
advance
becoming
This wor
of techn
faciliti
labor-sa
describe
ations t

Speakers
discuss
interpre
offer a
investig
control

The actu
plant th
computer
The comp
times co
the pilo

Program:

"Increas
A dis

MORE ABOUT THE 1964 CHICAGO SECTION SYMPOSIUM . . .

"Automation in Process Development"
Subject for Technical Afternoon Session

The technical session for the 1964 Chicago Symposium at the Sherman House, February 10, 1964, will focus its attention on the role of automation and the use of computers in process development. Running concurrently with the non-technical session on "Economic Evaluation of Research and Development," this session will take place from 1:30 to 4:30 P.M.

Plant and equipment designs have become increasingly complex with the advance of technology. Information necessary for these designs is becoming more dependent upon computers and pilot plant operations. This work, however, is expensive and time consuming. The large staff of technical personnel in research combined with the erection of facilities for these specialized applications warrant the use of labor-saving devices in this area. The object of this session is to describe methods of improving process design and pilot plant operations through the use of computers and data gathering devices.

Speakers from two leading instrument and computer manufacturers will discuss new innovations in the use of computers for collecting and interpreting data, and the use of analog computers. Analog computers offer a new tool not only for reducing the amount of pilot plant investigation but also lend themselves to incorporation into process control systems.

The actual experience of increasing the productivity of their pilot plant through automation, and improved data-gathering and analyzing computers will be described by representatives from two manufacturers. The companies have learned that the expense of these modern and sometimes costly devices is justified through the greater efficiency of the pilot plants.

Program: --

"Increasing Productivity in Pilot Plant Operations Through Automation"
A discussion to be presented by Universal Oil Products Company

(Continued on Next Page)

"Data Gathering System Links Many Pilot Plants to One Computer"
M. O. Gernand
Esso Research Laboratories, Humble Oil and Refining
Baton Rouge, Louisiana

"Application of Special Purpose Analog Computers in Process Control"
Jerome Grader
Taylor Instrument Company
Rochester, New York

"The Use of Control Computers to Collect and Analyze Data in Pilot
Plant and General Research"
Dr. Kenneth Wolfe
International Business Machine Company
Chicago, Illinois

Our Thanks This Month to

Our host, Schutte and Koerting, prominent in the field of jet equipment and flow measuring equipment. It maintains a large staff of qualified engineers to design equipment for the various jobs encountered in serving the process and power fields. Its products include Jet Equipment such as Trip Throttle Valves, Syphons and Wet Scrubbers; and Power Equipment such as Trip Throttle Valves, Swing Check Valves, Relief Valves, Gear Pumps and Strainers. The Instrument Division manufactures Flow Measuring Equipment, i.e., Rotameters and Flow Indicators, for indicating, recording and controlling.

The S&K Research and Development Groups have considerable test facilities for evaluation of engineering problems and new products ideas. The factory's modern quality control system, including both the radiography and magnetic particle inspection of castings, insures the manufacture of quality products.

Customer contact is maintained through the various territorial offices. The Chicago area branch office, staffed by sales engineers, is located in Oak Park, Illinois.

MAKE YOUR RESERVATION NOW FOR 8th OF
Mail the attached reservation card now JANUARY MEETING
or telephone Mr. Geo. Ziegenhorn (451-2900) Podbielniak, Inc.
Franklin Park, Ill.

PERSONAL NE

AMERICAN O

R. F. Mars
Technical

A. B. Groh
before the
R. C. Rein
River (Ill
William J.
meeting of

A. W. Weit
Chemistry
on "The Ma
Argonne Na

New staff
BS, IIT; R

THE AUSTIN

Dieter Gom
connection

Bill Allen
again. He
when he wa

Orval Merr
to us from

EIMCO CORPO

Chuck Silv
abroad. H
and Great
cerning 1

er"
Refining
Control"
Pilot
t equip-
ff of
en-
ucts
and Wet
Swing
Instru-
ota-
ntrolling.
st
oducts
ng both
, insures
al offices.
is located

PERSONAL NEWS

AMERICAN OIL COMPANY

R. F. Marschner received the Annual Merit Award of the Chicago Technical Societies Council.

A. B. Groh presented a paper on "Computer Control of Ultraforming" before the National Petroleum Refiner's Association in Pittsburgh. R. C. Reineman was co-author. R. J. Flannery addressed the Altonwood River (Illinois) chapter of AIChE on "New Energy Conversion Devices." William J. Cervený discussed "The High-Pressure Art" at the November meeting of the Chicago Section of AIChE.



A. W. Weitkamp spoke on "Naphthalene Hydrogenation" at the Organic Chemistry Seminar at Northwestern University. Seymour Meyerson spoke on "The Mass Spectra of Organic Ions" at a chemistry seminar at Argonne National Laboratory.

New staff members are Gerald B. Hoekstra, MS, IIT; Elizabeth J. Grimm, BS, IIT; Ruth N. Witzeman, BS, State University of New York.

THE AUSTIN COMPANY -- Process Division

Dieter Gombert and Augie Sceron spent a week in San Francisco in connection with a new processing contract.

Bill Allen, a chemical engineer from the Houston Office is with us again. He hopes the snow won't be as heavy as the winter of 1961-62 when he was last here.

Orval Merry has joined the mechanical engineering group. Orval comes to us from the U.S. Steel Corp., South Chicago works.

EIMCO CORPORATION

Chuck Silverblatt has returned recently from a 12 week business trip abroad. He visited Northern Rhodesia, the Republic of South Africa, and Great Britain in working with various process industries concerning liquid-solids separation problems.

3 th O F
TING

INSTITUTE OF GAS TECHNOLOGY

At the American Institute of Chemical Engineers Symposium in Houston, December 1-5, talks were presented by two IGT staff members. Dr. Daniel Magasanik, air conditioning engineer, presented a paper entitled "Unlike-Molecule Interactions From Second Virial Coefficients", which was co-authored by Dr. R. T. Ellington of Sinclair Research Inc., Tulsa, Oklahoma. Mr. A. L. Lee, of the fundamental fluid properties section, presented a paper entitled "Liquid, Gas, and Dense Fluid Viscosity of Methane -n-Butane Mixtures", which was authored by him, Dr. K. E. Starling, Mr. J. P. Dolan and Dr. R. T. Ellington.

NORTHWESTERN UNIVERSITY. Chemical Engineering Department

Professor J. S. Dranoff gave a paper at the 30th Annual Chemical Engineering Symposium of the Industrial and Engineering Chemistry Division of the American Chemical Society at the University of Maryland, Nov. 14-15.

The following professors presented papers at the National Meeting of the American Institute of Chemical Engineers at Houston, December 2-5. G.G. Bankoff, J. S. Dranoff, Y.G. Kim, J.C. Slattery, W. F. Stevens, G. Thodos, S. Whitaker. Professor Thodos also presided at a symposium on "Molecular Properties of Dense Gases and Liquids", and Professor Stevens presided at the Selected Papers Symposium.

SWENSON EVAPORATOR CO.

A number of engineers from here attended the Chemical show where a booth was maintained. These included R. E. Bergstrom, M.J. Beagle, R.C. Bennett, H.H. Newman, and A.C. Patsavas.

SWIFT AND CO.

The Engineering Research Department and the Research Laboratories have been consolidated into the Research and Development Center. The new center consists of the following departments: Engineering Research, Industrial and Scientific Research, and Meats, Food and Agricultural Research.

Mr. and
June 7.

Larry S
Rita Pen

UNION CAL

Jim Mill
in additi

UNIVERSAL

Mr. M. J.
the Senior
has been
Department
Department

D.H. Beld
Division.
Co., and
Lengemann
Process D

The Decem
the IIT F
the Resea
the AIAA

Chairman
of the AI
for the S
then intr
the desig
moon. Sl
details o
in color
The spec
half an h

Mr. and Mrs. D. L. Swendsen have their first son, Michael David, June 7.

Larry Skatoff married Linda Brin on June 23; David Henderson married Rita Pendleton on July 6.

UNION CARBIDE COMPANY

Jim Miller and Bob Murphy attended the AIChE Convention in Houston, in addition to visiting the Texas City Plant.

UNIVERSAL OIL PRODUCTS

Mr. M. J. Sterba has been appointed to the position of Assistant to the Senior Vice-President for research and development. L.O. Stine has been appointed head of the Engineering Research and Development Department. W. K. Hunter will head the Experimental Development Department at Riverside.

D.H. Belden has been appointed Manager of the Laboratory Service Division. L.C. Hardison is being transferred to Catalytic Combustion Co., and will be in charge of development at Bloomer, Wisconsin. R.A. Lengemann will assume the duties of supervisor of operations in the Process Development Department.

MINUTES OF THE DECEMBER MEETING

The December meeting of the Chicago Section of the AIChE was held at the IIT Research Institute on Dec. 11 and was preceded by a tour of the Research Institute's facilities. This was a joint meeting with the AIAA and a total of 150 people from both societies attended.

Chairman Larry Stine opened the meeting and introduced the Chairman of the AIAA. The speaker Dr. Oswald H. Lange, Assistant Director for the Scientific and Technical Analysis at Huntsville, Alabama, was then introduced. Dr. Lange then made an excellent presentation on the design features of the rockets slated for the manned trip to the moon. Slides were shown describing the facilities at Huntsville and details of the rockets to be used for the moon program. A short movie in color showed one of the successful launchings of the Saturn rocket. The speech was followed by a lively discussion period lasting over half an hour.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

Chicago Section

A. A. Winkler

Corn Products Co.

Moffett Technical Center

Box 345

Argo, Illinois

F I R S T C L A S S

M A I L

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, Illinois

BOARD OF DIRECTORS

SECTION OFFICERS, 1963-64

Chairman

Vice Chairman

Secretary

Treasurer

L. O. Stine

H. C. Thorne, Jr.

W. T. Sullivan

W. T. Brazelton

Universal Oil Products

American Oil Company

Abbott Laboratories

Northwestern University

COMMITTEE CHAIRMEN

Constitution

Finance

House

Membership

Program

Publicity

Vocational

J. Hinman

D. Berg

G. Ziegenhorn

A. A. Winkler

A. G. Lickus

E. H. Moczek

N. Rawson

American Oil Company

Chemical Processing

Podbielniak, Inc.

Corn Products

Universal Oil Products

Abbott Laboratories

Pure Oil Company

OTHER DIRECTORS

Director-at-Large

Director-at-Large

Director-at-Large

Council Liaison

Symposium Chairman

W. E. Watkins

T. F. Meinhold

R. F. Opila

D. A. Dahlstrom

J. C. Forman

Duriron Company

Chemical Processing

Corn Products

Eimco Corporation

Abbott Laboratories