8th Electrical Conference of the Petroleum Industry

JUNG HOTEL
New Orleans, Louisiana
SEPTEMBER 17-20, 1961

Sponsored by
Petroleum Industry Committee of American Institute of Electrical Engineers
and
New Orleans Section of AIEE
MONDAY MORNING

10:00 — 11:30

GENERAL SESSION—TULANE ROOM

PRESIDING—W. D. Stroud
Chairman, New Orleans Conference

OPENING COMMENTS—W. H. Dickinson
Chairman, Petroleum Industry Committee

INVOCATION—Rev. Clyde Frazier, Minister
Lake Vista Methodist Church

WELCOME—Honorable Victor H. Schiro
Mayor of New Orleans, La.

PRESIDENT'S REMARKS—Warren H. Chase
American Institute of Electrical Engineers

KEYNOTE ADDRESS—Kenneth H. Shaffer
President, The California Company

12:00 — 1:30

GENERAL LUNCHEON—CHARCOAL ROOM

PRESIDING—Seymour Cambias
Chairman, New Orleans Section AIEE

ADDRESS—Partners in Progress by G. C. Rawls
President, Louisiana Power and Light Company

Copy of Papers

Members may obtain preprints of numbered papers at the Conference for 50c each ($1.00 each to nonmembers) or they may purchase them in advance of the conference or after the conference by placing their order and remittance to the AIEE Order Department, 33 West 39th Street, New York 18, N. Y. Mail orders (particularly for out of town members) are advisable inasmuch as an adequate supply of each paper at the conference cannot be assured.
MONDAY AFTERNOON

2:00 — 5:00

GENERAL TECHNICAL SESSION—
TULANE ROOM

ELECTRONIC INSTRUMENTATION AND CONTROL IN
THE PETROLEUM AND PETROCHEMICAL INDUSTRY

Presiding — Jules Jacquin
Dow Chemical Company, Houston, Texas

CPA-61-5002

CPA-61-991
Considerations in the Selection of DC Control Signals by D. T. Cusack, Hagan Chemicals and Controls, Inc.

CPA-61-5003
Factors in the Choice of Process Instrumentation —

CPA-61-5004
Critical Heat Controller for a Chemical Reactor by A. A. Johnson, Dow Chemical Co.

5:00 — 6:30

SUBCOMMITTEE MEETINGS—

Manufacturing—Room 10
Production—Room 3
Transportation—Room 2
TUESDAY MORNING
8:30 — 11:30

SUBCOMMITTEE TECHNICAL SESSIONS —

MANUFACTURING—Room No. 1 —
G. H. St. Onge, Presiding

CP-61-990

CPA-61-5005
Economics of Selection of Large Motor Drivers and Problems in their Application by R. E. Daze, H. C. Mayo and J. A. Stewart, M. W. Kellogg Company.

CP-61-1001

PRODUCTION—Room No. 2—
W. E. Withers, Presiding

CPA-61-5006

CPA-61-5007

CP-61-995

TRANSPORTATION—Room No. 10 —
J. J. Sonnier, Presiding

CPA-61-5011

CPA-61-5012

CP-61-992
Electrical Design Features of Mid-America Pipe Line by G. E. Mace, Mid-America Pipe Line Company.

CPA-61-5014
TUESDAY AFTERNOON
1:00 — 5:00

INSPECTION TRIPS— (See Over)
All Buses Will Be Boarded at Canal St. Entrance.

MANUFACTURING —
Shell Oil Refinery, Norco, Louisiana

PRODUCTION —
Marshland Oil Field

TRANSPORTATION —
New Orleans Sewerage and Water Board

GENERAL INTEREST — Room No. 1 (2:00 P. M.)
Movies covering Offshore Oil Development Operations.

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TUESDAY EVENING
6:30 — 7:30

COCKTAIL HOUR—Lounge No. 2

7:30 — 11:00

DINNER—Tulane Room

The 9th Electrical Conference of the Petroleum Industry
will be in
Cleveland, Ohio
Hotel Carter
September 9 - 12, 1962
WEDNESDAY MORNING
9:00 — 12:00

SUBCOMMITTEE TECHNICAL SESSIONS —

MANUFACTURING—Room No. 1 —

T. R. Shaw, Presiding

CP-61-994

CPA-61-5001

CP-61-999
Train and Develop Your Electronic Instrument People by N. A. Anderson, The Foxboro Company.

CPA-61-5055
A Mobile Logger Using Magnetic Tape for Digital Data Storage by M. O. Bird and J. F. Draffen, Monsanto Chemical Company.

PRODUCTION—Room No. 2 —

R. K. Owen, Presiding

CP-61-1002
User's Experience with Inherently Protected Motors by Frank Beach and Frank Best, Cities Service Petroleum Company.

CPA-61-5008

CPA-61-5009

CPA-61-5010

TRANSPORTATION—Room No. 10 —

J. J. Sonnier, Presiding

CP-61-996
Computer Application to Dispatching by T. C. Heard, General Electric Company.

CPA-61-5015
Methods of Economic Valuation by S. R. Evans, Shell Pipe Line Corporation.

CPA-61-5013
Digital Telemetering for Pipeline Systems by P. D. Woodruff, General Electric Company.

CP-61-997
Technicians for a Remotely Operated Pipeline by A. R. Heidebrecht and Fred S. Jones, Platte Pipeline Company.

12:00 — 1:45

JOINT PLANNING GROUP LUNCHEON —
Room No. 3
WEDNESDAY AFTERNOON
2:00 — 5:00

GENERAL TECHNICAL SESSION — TULANE ROOM

COMPUTER CONTROL IN THE PETROLEUM AND PETROCHEMICAL INDUSTRY
Presiding—E. B. Turner
Secretary, Petroleum Industry Conference.
CP-61-998

CPA-61-5056

CP-61-1000

Tying the Digital Control Computer to an Industrial Process by W. M. Gaines and W. N. Patterson, General Electric Company.
CP-61-993

CPA-61-5000

Control of a Petroleum Process Unit with a Large Scale Digital Computer by E. N. Ply and A. D. Pendleton, American Oil Co. and IBM.

CLOSING REMARKS—W. H. Dickinson, Chairman, Petroleum Industry Committee

5:00 — 6:00

PETROLEUM INDUSTRY COMMITTEE MEETING — Room No. 3

THURSDAY MORNING
8:00 — 9:00

EXECUTIVE COMMITTEE MEETING — Room No. 3
ATTENDANCE

Fees as follows —

REGISTRATION
AIEE Members $ 8.00
Non-members $10.00
Ladies & Students No Charge

MONDAY GENERAL LUNCHEON $ 4.00
TUESDAY COCKTAIL HOUR AND DINNER $ 8.00
INSPECTION TRIPS $ 3.00

1960 - 1961
AIEE COMMITTEES

PETROLEUM INDUSTRY COMMITTEE
VICE-CHAIRMAN—L. B. Eddy, Mt. Prospect, Ill.
SUBCOMMITTEE CHAIRMEN—
Manufacturing—G. H. St. Onge, Esso Research & Engineering Company, Madison, New Jersey
Production—W. E. Withers, Sun Oil Company, Beaumont, Texas
Transportation—J. J. Sonnier, Shell Pipe Line Corporation, Houston, Texas

NEW ORLEANS CONFERENCE COMMITTEE:
Chairman—W. D. Stroud, The Okonite Company
Vice-Chairman—Earl S. Dobbs, Bedell & Nelson Engineers
Secretary—Malcolm L. Hurstell, New Orleans Public Service Inc.
Printing and Program—J. W. Barnes, Mid-South Sales Co., Inc.
Technical—Todd Sutton, General Electric Company, Baton Rouge
Publicity—L. B. Davis, Westinghouse Electric Co.
Registration and Hotel—J. P. Hynds, Westinghouse Electric Co.
Finance and Budget—Leonard Ramon, New Orleans Public Service Inc.
Student Activities—Jim Cronvich, Tulane University
Arrangements—C. P. Knost, Moloney Electric Co.
Reception—Harold Deloney, Louisiana Power and Light Co.
Inspection Trips—Stanley Bird, The California Company
Ladies Activities—O. E. Barron

NEW ORLEANS SECTION-HOST
Chairman—Seymour Cambias, Jr.

A.I.E.E. HEADQUARTERS REPRESENTATIVE
R. S. Gardner, Technical Activities, New York, N. Y.
The Petroleum Industry Committee of the American Institute of Electrical Engineers is sponsoring the 8th Annual Electrical Conference of the Petroleum Industry this year in New Orleans.

Over the years, this special technical conference has become increasingly popular and worthwhile. Information is exchanged concerning new technology and methods of handling difficult problems. Practices that others are following and methods of reducing costs and improving performance are discussed.

The activities of this conference and the Petroleum Industry Committee are as follows:

Treatment of all matters pertaining to the use of electricity and electrical devices or equipment in the petroleum industry.

The petroleum industry includes all activities concerned with crude oil, natural gas, and petroleum or petrochemicals products manufactured from crude oil or natural gas. It includes exploration, production, manufacturing, transportation, and marketing activities.

Electrical use in the petroleum industry involves selection, application, operation, and maintenance of devices and equipment for the following types of systems: control, instrumentation, communication, power generation, and power distribution. The development of standards and safety requirements for these systems is included.

Those of us who have attended most of these conferences look forward to the renewal of associations with old friends who have problems similar to our own. These associations have proved most valuable. We invite you, whether or not you are a member of the AIEE, to attend this conference.

W. H. Dickinson, Chairman
Petroleum Industry Committee
MARCHLAND OIL FIELD
(Limited to 35 persons)

South Louisiana has a petroleum productivity per square mile higher than any similar region in the U.S. The producing sands are at depths of approximately 10,000 feet. The fields are characterized by isolation from land transportation and conventional utilities. This trip will include visits by boat to typical well heads, production facilities, field compressor stations and drilling rigs.

NEW ORLEANS SEWERAGE & WATER BOARD

The City of New Orleans is in the unique position of being required to lift all of its rainfall by pumps to an elevation above Gulf level to effect drainage. This is performed by a complex of generating plants, an independent power distribution system and twelve electric motor driven pumping plants involving some 60,000 hp of capacity and designed for the utmost in reliability. The technique and designs are unconventional and interesting.

SHELL OIL REFINERY

This refinery 20 miles above New Orleans has been progressively modernized to keep abreast of processing technology. The trip will include stops at tanker loading facilities and a lease automatic custody transfer facility in a producing field near the refinery.

OFFSHORE OIL DEVELOPMENT OPERATIONS (FILMS)

Available time, erratic weather and transportation complexities have prevented scheduling of inspection trips into the Louisiana Offshore Area. However, a program of films has been arranged covering offshore construction, the development and use of an offshore drilling unit capable of operating in 100 foot water depths and the combating of an offshore well fire. It is believed that these will give the viewer a vivid and interesting impression of the challenge presented to the industry by offshore oil development.
GENERAL INFORMATION

NEW ORLEANS is justifiably considered the most popular convention city in the United States. The Vieux Carre provides old world charm that will long be remembered. The Port of New Orleans, second busiest in the United States, is typical of modern progress. Bourbon Street provides the "joie de vivre" sought by many. Within a radius of 100 miles are vast reserves of natural resources, including oil, gas, salt, sulphur and fishing. Truly there is much to interest those who come to New Orleans.

THE JUNG HOTEL, Headquarters for the 8th Annual Petroleum Industry Conference, has allotted a full complement of rooms. Rates are as follows: Single, $8 - $10; Doubles, $12 - $14; Twins, $13 - $16; Suites, $23 - up. Use reservation card enclosed.

REGISTRATION will take place in Lounge No. 1 during the following hours: SUNDAY, 4:00 P. M.—7:00 P. M.; MONDAY, TUESDAY AND WEDNESDAY, 8:00 A. M.—4:00 P. M.

INFORMATION will be available during Registration Hours at the Registration Desk.

HOSPITALITY ROOMS will be closed during all scheduled functions of the Conference.

AUTHORS' BREAKFASTS will be held at 7:30 A. M. on Tuesday and Wednesday mornings in Room No. 3. Authors of papers presented on Monday are invited to breakfast on Tuesday morning. Authors of papers presented Tuesday and Wednesday mornings are invited to breakfast on these respective mornings.

COCKTAIL HOUR AND DINNER will be held Tuesday evening, Sept. 19. This high point of the social portion of the Conference will be in keeping with New Orleans tradition and fame. Music will be provided during and after dinner by Russ Papalia and his orchestra.
LADIES ACTIVITIES

Room No. 4 will be reserved as a Hospitality Room for Ladies Activities. Coffee will be served morning and afternoon. Bridge tables and cards will be available. Tickets for all Ladies Activities will be obtained at the Registration Desk.

MONDAY

10:00 A.M. Hospitality Room Opens
12:00 General Luncheon—Charcoal Room
2:00 P.M. Grey Lines Bus Tour of New Orleans

TUESDAY

9:30 A.M. Breakfast at Brennan’s
11:30 A.M. Walking Tour of Vieux Carre
6:30 P.M. Cocktail Hour
7:30 P.M. Dinner

WEDNESDAY

10:00 A.M. Sightseeing River Trip on the "Good Neighbor" (Limited to 65 persons)

All buses will be boarded at Canal St. entrance.

BUS TRIP OF NEW ORLEANS will provide an opportunity to see famous historical landmarks in "America’s most interesting City".

BREAKFAST AT BRENNAH’S, nationally famous through Holiday and Saturday Evening Post, is a never-to-be-forgotten epicurean delight.

TOUR OF VIEUX CARRE is a walking tour through the most historical part of our City. French and Spanish architecture will be seen along with potios, antique shoppes, St. Louis Cathedral, Jackson Square, etc.

THE GOOD NEIGHBOR is a sight-seeing vessel operated by the Port of New Orleans from which you can see many of the thousands of ocean going vessels which use our port annually. Miles of wharves, banana loading facilities, grain elevators, etc., will be of considerable interest.