

**American Institute of
Electrical Engineers**



FALL

GENERAL

MEETING

Program

*Please retain for use during
entire meeting*

NEW ORLEANS, LA.

OCTOBER 13-17

1952

Meeting Headquarters

JUNG HOTEL

GENERAL INFORMATION

This meeting in New Orleans, Louisiana, is the sixth of the general meetings which are held annually each fall in the midwest. Both the technical program and the inspection trips were planned with the wide interests of the membership in mind.

The general session is scheduled for Monday morning, October 13, when we will be welcomed by the Honorable Robert F. Kennon, Governor of the State of Louisiana. Mr. Henry J. Voorhies, Vice-President and General Manager, Standard Oil Company, Louisiana Division and our president, Mr. D. A. Quarles will be the principal speakers at this meeting.

On the social side there will be a cocktail party, a stag smoker, a dinner-dance and a Gulf Coast Shrimp-Boil, as well as special entertainment for the ladies.

REGISTRATION FEES REQUIRED. In accordance with the policy as set up by the Board of Directors, a registration fee of \$3.00 has been established for members and a fee of \$5.00 for nonmembers. This is to help make the meeting self-supporting and obviate the need for raising the annual dues. Student Members and the immediate families of members will not be required to pay any fee.

INFORMATION on all features may be obtained at the registration desk. Efforts will be made to deliver telegrams and messages promptly. Members who expect to receive mail are asked to inquire frequently at the mail and registration desk.

TECHNICAL SESSIONS AND DISCUSSIONS are covered by the "Conduct of Technical Sessions" at the discretion of the presiding officers. Usually 10 minutes will be allowed for the presentation of each paper and 5 minutes for each discussion. To receive consideration for publication, discussions in triplicate must be left with the chairman and/or sent to Edward C. Day, Assistant Secretary, Committee on Technical Operations, AIEE, 33 West 39th Street, New York 18, N. Y. before October 31, 1952. Discussions received later will be returned. The original typewritten double-spaced copy, together with original illustrations with photostats or blueprints should be submitted.

Authors and discussers should make their presentations as effective as possible. Remember your audience. Stress the salient features of the paper which are new or novel. When using slides, please turn toward the audience before speaking and raise your voice. Extemporaneous delivery is preferable to reading unless done slowly and emphasis is put in the proper places.

ADVANCE COPIES OF PAPERS may be purchased by members at the registration desk at the uniform price of \$.30 each (\$.60 each to nonmembers). Only numbered papers are available. Mail orders, particularly from out-of-town members, are advisable inasmuch as an adequate supply of each paper at the meeting cannot be assured. Coupon books in \$9.00 denominations are available for those who wish to avoid remittance by check or otherwise. Mail orders should be addressed to the AIEE Order Department, 33 West 39th Street, New York 18, N. Y. Most of the papers will ultimately be published in the Bimonthly Publications and in the TRANSACTIONS. Conference papers denoted by CP.** are intended for presentation only and are not available.

SCHEDULE OF EVENTS

(See Separate Schedule for Ladies)

Monday, October 13

- 8:00 a.m. Registration
- 10:00 a.m. General Session
- 2:00 p.m. Insulated Conductors
Power Generation

Tuesday, October 14

- 9:30 a.m. Insulated Conductors
Power Generation
Carrier Current
Trip to Sewerage and Water Board
Trip to Kaiser Aluminum & Chemical Corp.
- 1:30 p.m. Trip to Sewerage and Water Board
Trip to Higgins Industries
Trip to Celotex Corporation
- 2:00 p.m. Insulated Conductors
Power Generation
Management
- 6:00 p.m. Stag Smoker

Wednesday, October 15

- 9:00 a.m. Trip to Godchaux Sugars
- 9:30 a.m. Trip to American Radiator and Standard Sanitary Plant
- 9:30 a.m. Safety
Feedback Control Systems
Education
- 1:30 p.m. Trip to Rheem Manufacturing Company
Trip to Falstaff Brewing Corp.
Trip to Nine Mile Point Generating Station
- 2:00 p.m. Magnetic Amplifiers
System Engineering
Rotating Machinery
- 6:00 p.m. Dinner Dance

Thursday, October 16

- 9:00 a.m. Trip to Chrysler Corp. Michaud Plant
- 9:30 a.m. Trip to Kaiser Aluminum and Chemical Corp.
Relays
The Chemical Industry in the South
Switchgear
- 1:30 p.m. Trip to Rheem Manufacturing Company
- 2:00 p.m. System Engineering and Transmission and Distribution
The Petroleum Industry in the South
Radio Communications

Friday, October 17

- 9:00 a.m. Trip to Godchaux Sugars
- 9:30 a.m. Trip to Kaiser Aluminum and Chemical Corp.
Transmission and Distribution
Communication Switching Systems
Cathodic Protection
- 2:00 p.m. Wire Communication System
General Industry Applications

Monday, October 13

10:00 a.m.—General Session

Tulane Room
J. A. TODD, Presiding

- “Address of Welcome” Governor Robert F. Kennon.
- “Oil Progress in Louisiana” Henry J. Voorhies,
Vice President and General Manager Standard Oil
Co. Louisiana Div.
- “Address” President D. A. Quarles.

2:00 p.m.—Insulated Conductors

Tulane Room
R. J. WISEMAN, Presiding

- 52-281. Grounding and Corrosion Protection on Under-ground Electric Power Cable Sheaths and Oil or Gas Filled Pipe Lines. R. J. Kuhn, Consulting Engineer.
- 52-282. The Use of Trays and Troughs for Supporting Control and Power Cables in Electrical Installations. F. S. Benson, Deceased, Pacific Gas & Electric Co.
- CP.** Grounding Coaxial and Shielded Cable. Michael Manzi, J. H. Marsman, Sperry Gyroscope Co. and Morris Brenner, Burndy Engineering Co.
- CP.** Some Operating Features of the Electrical System of the Sewerage and Water Board of New Orleans, La. L. T. Frantz, New Orleans, La.

2:00 p.m.—Power Generation & Protective Devices

Meeting Room No. 1
H. R. STEWART and J. A. BROOKS, Presiding

- 52-283. Surge Phenomena in Large Unit-Connected Steam Turbine Generators. P. A. Abetti, I. B. Johnson and A. J. Schultz, General Electric Co.
- 52-284. Field Investigation on the Surge Performance of a Large Unit-Connected Steam Turbine Generator. H. R. Armstrong, Detroit Edison Co., S. B. Howard and I. B. Johnson, General Electric Co.
- 52-285. Experience With Television for Direct Viewing of Furnaces. L. M. Exley, Long Island Lighting Co.
- 52-287. Television in Industry. G. H. Wilson, Diamond ACO.* Power Specialty Corp.
- CP.** Television for Monitoring Stack Emission. E. R. Thomas, Consolidated Edison Co., and W. L. Norvel.

Tuesday, October 14

9:30 a.m.—Insulated Conductors

Tulane Room
C. T. HATCHER, Presiding

- CP.** A Historical Review of Aluminum Applications in Industrial Cables. H. W. Biskeborn, Kaiser Aluminum & Chemical Corp.

- CP.** Insulated Aluminum Conductors. E. G. Sturdevant, United States Rubber Co.
- CP.** Significant Characteristics of Insulated Aluminum Cables. E. E. McIlveen, The Okonite Co.
- CP.** Current Carrying Capacities of a Few Sizes of Aluminum Conductors. C. W. Zimmerer, Underwriters Labs., Inc.
- CP.** Fundamental Problems Encountered in Aluminum Connections. C. P. Xenis, Consolidated Edison Co., Inc.

9:30 a.m.—Power Generation

Meeting Room No. 1
J. E. BARKLE, JR., Presiding

- 52-286. Auxiliary Power System for Steam Electric Generating Stations. A. G. Mellor, R. A. Schmidt, Jr., General Electric Co.
- 52-274. Considerations in the Design of the Station Auxiliary System at the Encina Generating Station. T. H. Jacobsen, Pioneer Service & Engineering Co., and J. F. Sinnott, San Diego Gas & Electric Co.
- 52-279. Power Supply for Power House Auxiliaries. R. W. ACO.* Ferguson, Westinghouse Electric Corp.
- CP.** Power Supply System for Station Auxiliaries. M. G. Lewis and S. H. Wright, Bechtel Corp.

9:30 a.m.—Carrier Current

Meeting Room No. 2
C. W. BOADWAY, Presiding

- 52-275. Application of Line Traps to Power Line Carrier Systems. J. D. Moynihan, Westinghouse Electric Corp.
- 52-288. The Relation Between Bandwidth and Speed of Response in Power System Control Channels. J. S. Smith, General Electric Co.
- 52-280. R-F Hybrids Used for Paralleling Terminal Equipment for Closely Spaced Carrier-Current Channels. R. W. Beckwith, General Electric Co.
- CP.** A New Line of Frequency Modulated Carrier Communication Equipment. F. B. Gunter, Westinghouse Electric Corp.

2:00 p.m.—Forum—Petroleum Industry

Meeting Room No. 10
E. U. LASSEN, Presiding

2:00 p.m.—Insulated Conductors

Tulane Room
H. C. BARNETT, Presiding

- CP.** Insulated Aluminum Cables in Industrial and Utility Applications. E. E. McIlveen, The Okonite Co.

- CP.** Forty Years Experience with Aluminum Bus at Niagara Falls, New York. William Boyd, Aluminum Company of America.
- CP.** Test of Fittings on Insulated Aluminum Cable. J. Tompkins and E. Lanetot, Aluminum Company of America.
- CP.** The Use of Aluminum Conductors in Industrial Electric Power Systems. A. L. Nelson, Consulting Engineer.

2:00 p.m.—Power Generation

Meeting Room No. 1
J. E. BARKLE, JR., Presiding

- 52-291. Reactance Relays Discriminate Between Load Transfer Currents and Fault Currents on 2300 V. Station Service Generator Bus. G. B. Dodds and W. E. Marter, Duquesne Light Co.
- 52-289. Operating Experiences with Power Plant Auxiliary ACO.* Systems. H. F. Tevlin and L. H. Romzick, Detroit Edison Co.
- 52-290. Application Features of Major Auxiliary Drive ACO.* Motors in Electric Generating Stations. J. H. Ashby, A. E. Beardmore, R. C. Goodwin, and H. G. Schiff, General Electric Co.
- CP.** Station Auxiliary Power Practices on Extended Hydro-Steam System. H. C. Austin, Southern California Edison Co.

2:00 p.m.—Management

Meeting Room No. 2
C. J. BELLER, Presiding

- CP.** Incentives to Accomplish Greater Productivity. R. J. Stockham, Stockham Valves and Fittings.
- CP.** Stepping Stones to Good Industrial Relations. J. S. Gracy, Florida Power Corporation.

Wednesday, October, 15

9:30 a.m.—Safety

Meeting Room No. 1
C. E. GANTHER, Presiding

- 52-292. Improved Pole-Top Resuscitation. A. S. Gordon, Charles Frye and M. S. Sadove, University of Illinois.
- CP.** Safety Regulations and How They Affect the Electrical Industry. L. D. Price, National Electrical Manufacturers Association.
- CP.** The Role of the Supervisor in Safety Work. W. H. Senyard, Louisiana Power and Light Co.

9:30 a.m.—Feedback Control Systems

Tulane Room
A. R. TEASDALE, Presiding

- 52-277. Stabilization of a Servomechanism Subject to Large Amplitude Oscillation. E. S. Sherrard, General Electric Co.
- 52-272. Lead Networks Utilizing Saturable Core Memory. D. G. Scorgie, Naval Research Lab.
- 52-297. Synthesis of Feedback Control System by Phase-angle Loci. Yaohan Chu, Cambridge, Mass.
- 52-298. Vacuum Tube Techniques Applied to a Hydraulic Amplifier. J. A. Baring, Askania Regulator Co.
- 52-211. Signal Component Control. D. J. Gimpel and J. F. Calvert, Northwestern University. Presentation by title only for discussion.
- 52-200. Feedback Control Systems with Dead-Time Lag or Distributed Lag by Root-locus Method. Yaohan Chu, Cambridge, Mass. Presentation by title only for discussion.
- 52-309. Ferroelectric Materials as Storage Elements for Digital Computers and Switching Systems. J. R. Anderson, Bell Telephone Labs., Inc. Presentation by title only for discussion.
- 52-310. Design Improvements and Operating Experience with 10-KC Network Analyzers. J. D. Ryder, University of Illinois and W. B. Boast, Iowa State College. Presentation by title only for discussion.

9:30 a.m.—Education

Meeting Room No. 2
J. D. RYDER, Presiding

- CP.** Conference on the Manpower Shortage in Power Education. J. D. Ryder, University of Illinois.
- CP.** Opportunities for Engineers in the Electric Utility Industry. R. F. Danner, Oklahoma Gas & Electric Co.
- CP.** The Utilities and Power Education. G. S. Dinwoodie, New Orleans Public Service, Inc.
- CP.** The Equipment Manufacturer and Power Education. H. N. Muller, Westinghouse Electric Corp.

2:00 p.m.—Magnetic Amplifiers

Meeting Room No. 1
H. W. LORD, Presiding

- 52-271. Magnetic Amplifiers of the Self-Balance Potentiometer Type. W. A. Geyger, Naval Ordnance Lab.
- 52-293. Single-Core Magnetic Amplifier as a Computer Element. R. A. Ramey, Naval Research Lab.
- CP.** Ferro-Resonant Circuits for Digital Computers. C. F. Spitzer, General Electric Co.

- CP.** Dynamic Hysteresis Loops of Several Core Materials Employed in Magnetic Amplifiers. H. W. Lord, General Electric Co.

2:00 p.m.—System Engineering

Tulane Room
W. B. FISK, Presiding

- CP.** Load Forecasting—A Method Based on Economic Factors. F. W. Brooks, Cleveland Electric Illuminating Co.
- CP.** Forecasting the Demand for Electricity. R. G. Hooke, Public Service Electric & Gas Co.
- CP.** Load Forecasting and Utilization of Forecasts. Carl Kist, Department of Water and Power, Los Angeles, Cal.
- CP.** A Suggested Approach to Load Forecasting. C. L. McNeese, Houston Lighting and Power Co.

2:00 p.m.—Rotating Machinery

Meeting Room No. 2
C. G. VEINOTT, Presiding

- CP.** Advantages of Operating Turbogenerators at Increased Hydrogen Pressures. J. W. Batchelor, Westinghouse Electric Corp.
- CP.** Operating Experience with Supercharged Rotor Cooling. L. T. Rosenberg, Allis-Chalmers Mfg. Co.
- CP.** Thermalastic Insulation for High-voltage Water-wheel Generators. W. Schneider, Westinghouse Electric Corp.
- CP.** Starting Torque of a Single-phase, Single-Winding Motor. M. S. Pendergast, Southwestern Louisiana Institute.

Thursday, October, 16

9:30 a.m.—Relays

Cotillion Room
A. J. McCONNELL, Presiding

- 52-294. Ground Relay Polarization. J. L. Blackburn, Westinghouse Electric Corp.
- CP.** More About Setting Industrial Relays. F. P. Brightman, General Electric Co.
- CP.** Protection of Generators Against Unbalanced Current. J. E. Barkle and W. E. Glassburn, Westinghouse Electric Corp.
- CP.** Improved Sensitivity of Relay for Primary Networks. C. A. Mathews, General Electric Co.

9:30 a.m.—The Chemical Industry in the South

Meeting Room No. 2
L. W. ROUSH, Presiding

- CP.** Aspects of Delivering Constant Current to an Electrolytic Cell Line. E. H. Coxe, Ethyl Corp.
- CP.** Washing High Voltage Equipment at the Ethyl Corporation. W. G. Whitley, Ethyl Corp.
- CP.** Service Engineering Organization and Problems Peculiar to the Chemical Industry. W. C. Dreyer, Westinghouse Electric Corp.
- CP.** Lighting of a Southern Chemical Plant. J. H. Snow, The Dow Chemical Co.
- CP.** Alcoa Point Comfort Power Installation. Howard Keefer, Aluminum Co. of America.

9:30 a.m.—Switchgear

Meeting Room No. 1
R. L. WEBB, Presiding

- 52-268. Selecting Station Type Switchgear Equipment for Large Generating Stations. K. T. Ashdown, General Electric Co.
- 52-295. Application of Aluminum Channel Conductors for Station Bus. E. J. Casey and N. Swerdlow, General Electric Co.
- 52-269. A New Heavy Duty Three Phase Oil Circuit Reclosure. A Van Ryan, Line Material Co.
- 52-296. The Effect of Repeated Faults on Fuse Characteristics. R. E. Riebs, Line Material Co.

2:00 p.m.—Transmission and Distribution and System Engineering

Cottillion Room
H. L. HARRINGTON, Presiding

- CP.** Trends in High Voltage Transmission. S. B. Griscom, A. A. Johnson and Miles Maxwell, Jr., Westinghouse Electric Corp.
- 52-278. Insulation Coordination. C. F. Wagner, R. L. Witzke, E. Beck and W. L. Teague, Westinghouse Electric Corp.
- 52-299. Power Losses in Interconnected Transmission Networks. H. W. Hale, Purdue University.
- 52-273. Generalized Hunting Equations of Power Systems. W. G. Heffron, Jr., G. M. Rosenberry, and F. S. Rothe, General Electric Co.
- 52-270. Operation of Synchronous Condensers on the Southern California Edison System. C. R. Canady and J. H. Drake, Southern California Edison Co. Presentation by title only for discussion.

2:00 p.m.—The Petroleum Industry in the South

Meeting Room No. 2
L. W. ROUSH, Presiding

- CP.** Highlights from 10 Years of Operations of the First Large Scale Completely Electrified Products Pipe Line System. R. S. Cannon and F. Armstrong, Plantation Pipe Line Co.
- CP.** Operation of Pipe Line Pumping Stations by Remote Control. Merritt A. Hyde, Jr., Westinghouse Electric Corp.
- CP.** The Electrical System Reliability Required in Petroleum Refining Operations. E. R. Felton, Esso Standard Oil Co.

2:00 p.m.—Radio Communications

Meeting Room No. 1
A. C. DICKIESON, Presiding

- CP.** Radio Aids to Navigation. Commander G. L. Ottinger, U. S. Coast Guard.
- CP.** Radio Activities of the Air Navigation Development Board. W. M. Young.
- 52-300. Radio Interference Control. C. F. Maylott, Bendix Aviation Corp.
- CP.** PTM Microwave Applications in the Pipe Line and Utilities Field. R. G. Maddox, Federal Telephone and Radio Corp.

Friday, October 17

9:30 a.m.—Transmission and Distribution

Meeting Room No. 1
E. K. HUNTINGTON, Presiding

- 52-301. Developments and Experience with Series Capacitors in Sweden. G. Jancke and K. F. Akerstrom, Swedish State Power Board. For presentation by title only for discussion.
- 52-302. A Simplified Sag Tension Method for ACSR. C. A. Jordan, General Cable Corp.
- 52-303. Determination of Resistance to Ground of Grounding Grids. A. J. McCrocklin, University of Texas, and C. W. Wendlandt, Consolidated Vultee Aircraft Corp.
- CP.** Resistance of Exposed Clamp Type Connectors for ACSR Conductor over a Five Year Period. W. F. Bonwitt, Burndy Engineering Co., Inc.
- CP.** Unbalance of Untransposed Overhead Lines. E. T. B. Gross, Ray Berman and C. T. Wint, Illinois Institute of Technology.

9:30 a.m.—Communication Switching Systems

Meeting Room No. 2
A. E. FROST, Presiding

- CP.** Development of the Wire Contact Relay. R. E. Markle, International Business Machines Corp.
- 52-304. A New General Purpose Relay for Telephone Switching Systems. A. C. Keller, Bell Telephone Labs.
- 52-276. Selective Control Switching System for Radio Telegraph Transmission. J. M. Robinson, North Electric Mfg. Co.
- CP.** Telephone System Applications of Recorded Machine Announcements. W. Bennett, Bell Telephone Labs., Inc.

9:30 a.m.—Cathodic Protection

Meeting Room No. 3
L. W. ROUSH, Presiding

- 52-305. Measurement of Cathodic Protection Currents from Sacrificial Anodes. H. N. Hayward and R. M. Wainwright, University of Illinois.
- 52-306. The Use of Graphite Anodes for Cathodic Protection of the Bottoms of Inactivated Ships. J. P. Oliver, National Carbon Co.
- CP.** Cathodic Protection of Refinery Equipment. Derk Holsteyn, Shell Oil Co.
- CP.** Cathodic Protection of Electrical Substations and Power Plants.

2:00 p.m.—Wire Communications System

Meeting Room No. 2
P. G. EDWARDS, Presiding

- 52-307. Type 0 Carrier Telephone. J. A. Coy and E. K. Van Tassel, Bell Telephone Labs., Inc.
- CP.** Transposition Designs for Type 0 Carrier Systems. E. Rentrop and L. Hochgraf, Bell Telephone Labs., Inc.
- CP.** Applications of the Type 0 Carrier System. J. Dechovitz, Southern Bell Telephone and Telegraph Co.
- CP.** The 45A Carrier System. R. S. Caruthers, Lenkurt Co., Inc.

2:00 p.m.—General Industry Applications

Meeting Room No. 3
V. O. JOHNSON, Presiding

- CP.** Regulating Systems for Industrial Applications. V. B. Baker, W. R. Harris, Westinghouse Electric Corp.
- 52-308. Voltage Rating vs. Horsepower of Synchronous and Induction Motors. C. E. Miller, General Electric Co.

- CP.** A Modern Textile Distribution System. N. Stadtfeld, Westinghouse Electric Corp. and J. R. Potter, Lockwood Greene Engineers, Inc.
- 52-339. Load Characteristics of Five All-Electric Residences Using the Heat Pump for Year-Round Air Conditioning. Philip Sporn and E. R. Ambrose, American Gas & Electric Service Corp. Presentation by title only for discussion.
- 52-340. Residential Heat Pump Experiments in Philadelphia—Suggested Possibilities for Practical Applications. Constantine Bary, Philadelphia Electric Co. Presentation by title only for discussion.
- 52-341. Residential Heat Pump Experiments in Philadelphia—Earth as a Heat Source. A. H. Kidder, J. H. Neher, Philadelphia Electric Co. Presentation by title only for discussion.
- 52-342. Residential Heat Pump Experiments in Philadelphia—Installation and Operating Experience. J. H. Harlow, G. E. Klapper, Philadelphia Electric Co. Presentation by title only for discussion.

CP.** Conference paper; no advance copies are available; not intended for publication in Transactions.

ACO.* Advance copies only available; not intended for publication in Transactions.

OFFICERS OF AIEE 1952-53

President

D. A. QUARLES

Junior Past Presidents

T. G. LECLAIR

F. O. McMILLAN

Vice Presidents

W. L. CASSELL

C. M. LYTLE

W. S. HILL

N. M. LOVELL

M. D. HOOVEN

F. W. NORRIS

THOMAS INGLEDOW

J. C. STRASBOURGER

E. S. LAMMERS, JR.

W. R. WAY

Directors

W. J. BARRETT

A. C. MUIR

F. R. BENEDICT

N. C. PEARCY

R. F. DANNER

C. S. PURNELL

E. W. DAVIS

ELGIN B. ROBERTSON

D. D. EWING

H. J. SCHOLZ

N. B. HINSON

V. SIEGFRIED

Treasurer

N. S. HIBSHMAN

Secretary

H. H. HENLINE

COMMITTEE ON TECHNICAL OPERATIONS

L. F. HICKERNELL, *Chairman*

H. H. HENLINE, *Secretary*

J. D. TEBO, *Vice-Chairman*

R. S. GARDNER, *Assistant Secretary, Technical Activities*

E. C. DAY, *Assistant Secretary, Technical Papers*

C. J. BELLER

E. I. GREEN

HENDLEY BLACKMON

M. D. HOOVEN

F. B. BRAMHALL

J. A. HUTCHESON

M. M. BRANDON

E. U. LASSEN

H. F. BROWN

K. B. McEACHRON

W. R. BROWNLEE

J. D. RYDER

W. R. CLARK

M. J. STEINBERG

C. H. WILLIS

FALL GENERAL MEETING COMMITTEES

General

J. M. TODD, *Chairman*

C. P. KNOT, B. P. BABIN, B. E. SEGALL, *Vice Chairmen*

E. I. BLANCHARD,
Secretary-Treasurer

B. H. BELL, *Entertainment*

E. S. LAMMERS, JR., *Vice President Dist. 4*

H. A. SCHAEFFER, JR., *Hotels and Registration*

W. D. STROUD, *Finance*

H. E. PRITCHARD, JR.

W. J. DRAWE, *Transportation*

J. R. ROMBACH, JR.
Members-at-Large

M. J. CADE, *Printing*

F. E. JOHNSON,
Technical Programs

W. S. LEAKE, *Sports*

L. T. FRANTZ, *Reception*

H. C. SWAN, *Inspection Trips*

D. H. VLIET, *Students*

J. C. RYAN, *Publicity*

MRS. A. J. FRANSEN, *Ladies*

Entertainment

B. H. BELL, *Chairman*

H. L. DELONEY, *Vice Chairman*

MARIO ZERVIGON

I. H. PURINTON

S. G. DINKEL

J. N. FOGG

J. M. LEDOUX

Finance

W. D. STROUD, *Chairman*

F. G. HOLLINS, *Vice Chairman*

P. E. LEHDE

W. T. HESS

A. B. PATERSON

H. A. SCHAEFFER

A. A. HERO

Hotel and Registration

H. A. SCHAEFFER, JR., *Chairman*

W. J. KELLER, SR.

N. G. ALVIS

FRED ADAMS

Inspection Trips

H. C. SWAN, *Chairman*

H. C. SALE

H. LEHMANN

W. S. SYRETT

D. H. HOLDER

WALLO BEDNARZ

E. H. MABSON

M. L. LEVY

Printing

M. J. CADE, *Chairman*
E. H. ARNOLD, *Vice Chairman*

Publicity

J. C. RYAN, *Chairman*
M. J. CADE, *Vice Chairman*

ESPEY REED	L. C. RAMON, JR.
J. A. CRONVICH	W. F. CAPERTON
W. S. JONES	P. C. HUTCHISON
H. G. NEBE	

Reception

L. T. FRANTZ, *Chairman*
C. W. RICKER, *Vice Chairman*

T. J. HOGUE	L. L. NEWMAN
D. H. VLIET	K. P. KAMMER
B. F. HATFIELD	L. C. RAMON
R. F. WRIGHT	C. W. UNANGST
B. H. BELL	W. O. TURNER

Sports

W. S. LEAKE, *Chairman*
A. L. SOULE III, *Vice Chairman*

R. J. KUHN

Students

D. H. VLIET, *Chairman*
A. K. RAMSEY, JR. H. R. MASON

Technical Program

F. E. JOHNSON, JR., *Chairman*
C. W. RICKER, *Vice Chairman*

M. W. STUMPF	J. V. HAY
W. R. SEAY	L. C. RAMON
W. V. DEGRUY	A. J. WATSON, JR.

Transportation

W. J. DRAWE, JR., *Chairman*
R. F. LEGEAL, *Vice Chairman*

RAYMOND FRISCHHERTZ	M. B. HUTSON
L. L. NEWMAN	J. G. DYKES
B. H. BELL, JR.	J. B. FITCH
M. J. CADE	P. J. STOUSE, JR.
J. D. TALLANT	

Ladies Entertainment

MRS. A. J. FRANSEN, *Chairman*

MRS. J. R. ROMBACH, JR., *Vice Chairman*

MRS. B. H. BELL, SR.	MRS. J. W. DRAWE, JR.
MRS. B. H. BELL, JR.	MRS. B. Z. SEGALL
MRS. H. A. SCHAEFFER, JR.	MRS. H. C. SALE
MRS. F. E. JOHNSON, JR.	MRS. W. V. DEGRUY
MRS. FRANCIS FAVALORA	MRS. W. R. SEAY
MRS. STANLEY DINKEL	MRS. J. A. LORIO
MRS. C. P. KNOT	MRS. J. M. MONLEZUN
MRS. M. W. STUMPF	MRS. G. A. HEFT
MRS. B. P. BABIN	MRS. J. K. MAYER
MRS. M. J. CADE	MRS. G. S. DINWIDDIE
MRS. F. G. HOLLINS	MRS. W. O. TURNER
MRS. G. E. MAY	MRS. J. G. DYKES
MRS. O. E. BARREN	MRS. JOHN VOGT, JR.
MRS. H. S. GREGORY	MRS. J. M. TODD
MRS. J. W. BARNES	MRS. C. E. REED
MRS. J. C. RYAN	MRS. B. F. HATFIELD
MRS. C. Q. WIGGINS	MRS. J. V. HAY
MRS. W. S. LEAKE	MRS. WILLIAM HESS
MRS. J. D. TAYLOR	MRS. D. H. HOLDER
MRS. L. C. RAMON, JR.	MRS. K. P. KAMMER
MRS. M. G. ZERVIGON	MRS. WARREN JONES
MRS. E. I. BLANCHARD	MRS. ROBERT KUHN
MRS. B. D. CASEY, JR.	MRS. A. E. HAAK
MRS. PAUL DIMBERG	MRS. H. L. DELONEY
MRS. J. J. TIEDEMAN, JR.	MRS. A. L. SOULE III

COMMITTEE MEETINGS

Tuesday, October 14

2:00 p.m.—Petroleum Forum Meeting Room 10

Wednesday, October 15

8:00 a.m.—Breakfast—Planning and
Coordination Meeting Room 8

9:30 a.m.—Power Division Meeting Room 7

12:00 noon—Luncheon—Technical
Operations Meeting Room 4

12:00 noon—Luncheon—Public Relations . Meeting Room 6

2:00 p.m.—Safety Meeting Room 7

2:00 p.m.—Power Generation Meeting Room 9

2:00 p.m.—Publication Meeting Room 8

Thursday, October 16

9:00 a.m.—Board of Directors Meeting Room 4

9:30 a.m.—System Engineering

9:30 a.m.—Education Meeting Room 3

12:00 noon—Luncheon—Board of Directors Meeting Room 4

2:00 p.m.—Board of Directors Meeting Room 4

2:00 p.m.—Wire Communications Meeting Room 3

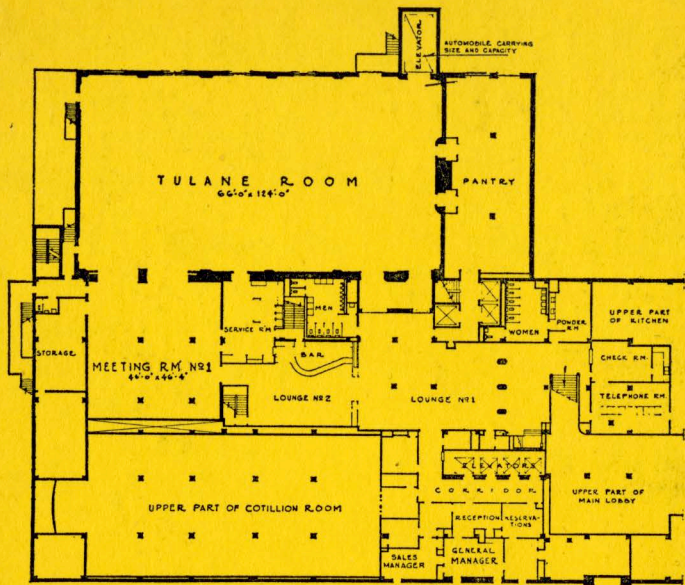
4:00 p.m.—Radio Communications Meeting Room 3

Friday, October 17

9:00 a.m.—District #4 Executive Meeting Room 4

2:00 p.m.—District #4 Executive Meeting Room 4

2:00 p.m.—Communications Switching . . Meeting Room 8

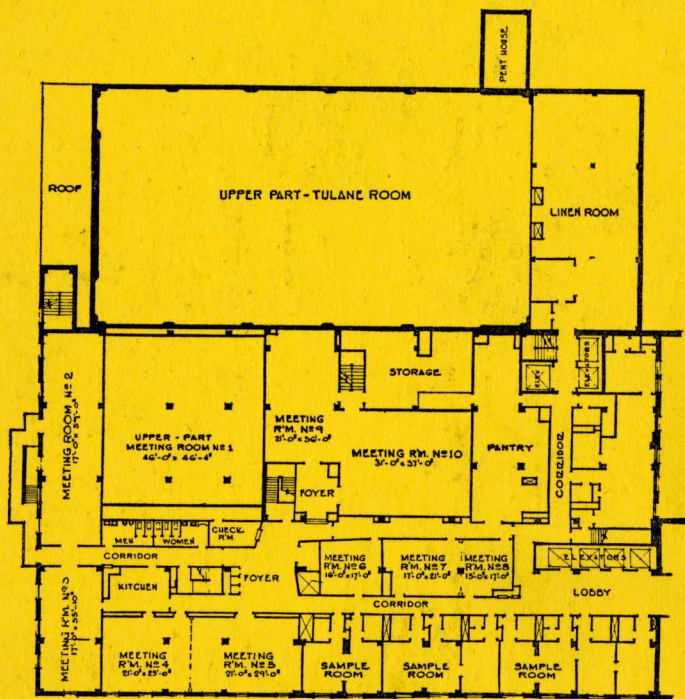


MEZZANINE FLOOR PLAN

SCALE: 0 5 10 15 20 25

THE JUNG HOTEL
NEW ORLEANS, LA.

WEISS & SILVERSTEIN
ARCHITECTS
NEW ORLEANS, LA.



SECOND FLOOR PLAN

SCALE: 0 5 10 15 20 25

THE JUNG HOTEL
NEW ORLEANS, LA.

WEISS & SILVERSTEIN
ARCHITECTS
NEW ORLEANS, LA.