

American Institute of Electrical Engineers

South West District Meeting and Student Branch Convention

Oklahoma City, Okla., April 24-26, 1935

1884



1935

Headquarters
Skirvin Hotel

South West District Meeting and Student Branch Convention

THE meeting of the South West District of the A.I.E.E. will be held at Oklahoma City, Okla., from Wednesday to Friday, April 24-26, 1935. The convention of the student Branches of the South West District will be conducted jointly with this meeting on April 25 and 26. Headquarters will be at the Skirvin Hotel, where all the technical sessions will be held. The 14th floor, known as the Skirvin Roof, will be retained exclusively for the use of the meetings during the 3 days; the technical sessions will be held in the Venetian Room and the student sessions will be held in the Rose Room. An attractive program consisting of 5 technical sessions, inspection trips, dinner and dance, and a golf tournament has been arranged by the committee. A special entertainment feature has been planned for the visiting women.

Program

In the following program, reference to the issue and page in **ELECTRICAL ENGINEERING** is given for all papers which have been published therein.

Wednesday, April 24

9:00 a.m.—**Registration**—Venetian Room, 14th floor

9:30 a.m.—**Opening of Meeting**—Venetian Room, 14th floor. *Presiding:* F. J. Meyer, vice president, South West District, A.I.E.E.

General Technical Session. *Presiding:* R. F. Danner and H. R. Fritz

INSTANTANEOUS OVERCURRENT RELAYS FOR DISTANCE RELAYING

C. H. FRIER, Oklahoma Gas and Electric Co. April issue, p. 404-7

***GEOPHYSICAL PROSPECTING FOR PETROLEUM**

L. J. NEUMAN, Houston, Texas

A POWER COMPANY COMMUNICATION SYSTEM

E. E. GEORGE, Tennessee Electric Power Co., and O. J. HUIE, Southern Bell Telephone and Telegraph Co. March issue, p. 262-5

12:15 p.m.—**Luncheon Meeting of the District Executive Committee**

2:00 p.m.—**Insulation and Protection Session**—Venetian Room, 14th floor. *Presiding:* Ralph Pittman and L. C. Starbird

***TELEPHONE PROTECTION**

A. T. CAMPBELL, Southwestern Bell Telephone Co.

***PROTECTIVE DEVICES FOR SUBSTATIONS AND THEIR RELATION TO INSULATION STRENGTH**

A. M. OPSAHL, Westinghouse Electric and Mfg. Co.

RECOMMENDED TRANSFORMER STANDARDS

H. V. PUTMAN, Westinghouse Electric and Mfg. Co., and J. E. CLEM, General Electric Co. Dec. 1934 issue, p. 1594-7

PORTABLE SCHERING BRIDGE FOR FIELD TESTS

C. F. HILL, T. R. WATTS, and G. A. BURR, Westinghouse Electric and Mfg. Co. Jan. 1934 issue, p. 176-82

Thursday, April 25

9:00 a.m.—**Student Technical Session**—Rose Room, 14th floor

9:00 a.m.—**General Technical Session**—Venetian Room, 14th floor.

Presiding: C. I. Hendricks and R. W. Linney

***PRESENT TRENDS IN METERING PRACTICES**

H. P. SPARKES, Westinghouse Electric and Mfg. Co.

***ECONOMICS AND ENGINEERING OF NEW METERING METHODS AND EQUIPMENT**

R. G. MEYERAND, Union Electric Light and Power Co.

CAUSES AND MITIGATION OF CABLE SHEATH CORROSION

J. B. BLOMBERG and NORVEL DOUGLAS, Southwestern Bell Telephone Co.

April issue, p. 382-7

12:15 p.m.—**Luncheon Meeting of Committee on Student Activities**

Chairman, Professor J. A. Correll

1:30 p.m.—**Assemble for Inspection Trip**

7:00 p.m.—**Dinner**—Venetian Room, Hotel Skirvin

9:00 p.m.—**Dancing and Bridge**—Venetian Room, Hotel Skirvin

Friday, April 26

9:00 a.m.—**Student Technical Session**—Rose Room, 14th floor

9:00 a.m.—**Distribution and Transmission Session**—Venetian Room, 14th floor. *Presiding:* Stanley Stokes

***ECONOMICS AND APPLICATION OF SUPPLEMENTARY REGULATING DEVICES FOR DISTRIBUTION CIRCUITS**

P. E. BENNER, General Electric Co.

***IMMEDIATE INITIAL RECLOSURE OF OIL CIRCUIT BREAKERS**

D. C. PRINCE and A. E. ANDERSON, General Electric Co.

STEP TYPE FEEDER VOLTAGE REGULATORS

L. H. HILL, Allis-Chalmers Mfg. Co.

Feb. 1935 issue, p. 154-8

2:00 p.m.—**General Session**—Venetian Room, 14th floor. *Presiding:* M. C. Hughes

***Demonstration lecture: VACUUM AND GAS FILLED TUBES AND THEIR APPLICATION IN THE POWER INDUSTRY—D-C TRANSMISSION**

C. W. STONE, General Electric Co.

SYMPOSIUM ON ENGINEERING EDUCATION

DISCUSSERS: J. B. Thomas, Texas Electric Service Co.; T. F. McMains, Western Union Telegraph Co.; F. C. Bolton, Texas A. and M. College; B. D. Hull, Southwestern Bell Telephone Co. and I. H. Lovett, Missouri School of Mines and Metallurgy

* These papers will be presented and discussed at the meeting but they have not been accepted for publication and neither the papers nor the discussion based upon them will be published.



TECHNICAL PROGRAM

The papers committee has arranged in so far as possible a broad program which should be of interest to many members. Some of the papers scheduled were selected expressly to bring out in the discussion the latest trends in new developments and operating practice. For example, the paper on the "Use of Instantaneous Overcurrent Relay for Distance Relays" should bring out in the discussion other comparable methods of relaying which may be applicable to the type of power systems that exist in the South West District.

The papers in the insulation and protection session will afford opportunity for discussions of this topic from the standpoint of both telephone and power system equipment. Another paper on "Recommended Transformer Standards," presented at the Institute's 1935 winter convention, has been rescheduled to give engineers from this District an opportunity to discuss the proposed standards. This paper and the one on "Protective Devices for Substations and Their Relation to Insulation Strength" will provide a basis for discussing the questions of insulation coordination, insulation strength, and protective devices.

In the same way rescheduling of the paper entitled "Portable Schering Bridge for Field Tests" will present an opportunity for a broader and more recent discussion of field testing of insulation by other methods.

In another session 2 papers on metering will present the present trends in metering practices with particular reference to out-

door meters. The discussion should bring out a suggested method for evaluating the factors to be considered in determining the extent to which it is economical to go in modernizing present metering installations. Another paper on "Prevention of Cable Sheath Corrosion" is of interest to both power and communication engineers. It describes a method of mitigating soil corrosion of cable sheath by means of applying counterpotentials. Still another on "Step Type Feeder Voltage Regulators" offers an opportunity for an expression of opinion in discussion as to the size and number of steps most desirable in this type of regulator.

The distribution and transmission session will be devoted principally to design and operation of distribution systems. One of the papers will show the economies that can be effected by the use of supplementary regulating devices, not only for compensating of the normal drop in voltage in distribution systems but also for reducing abnormal fluctuations in voltage which result from the use of large appliance motors in residential districts. The discussion of this paper with that of another on circuit interrupting and reclosing devices should also advance other principles or practices which have a bearing on the economical design and operation of distribution systems.

The symposium on engineering education will consist of discussions based upon the various papers which have been published on this subject in *ELECTRICAL ENGINEERING* during the past 2 years.



Campus of the University of Oklahoma, Norman, 18 miles south of Oklahoma City. Those attending the inspection trip to be made to the university will find of particular interest its petroleum engineering laboratory, which contains a complete oil refinery

The oral discussion of these papers at the meeting in the foregoing manner is desirable but only discussion which is pertinent to the papers which have been published in advance will be acceptable for consideration for publication. Rules governing discussions of both unpublished papers and published papers are given in the following paragraphs on "Rules for Presenting and Discussing Papers."

RULES FOR PRESENTING AND DISCUSSING PAPERS

In general, the time allowed for the presentation of each paper should not exceed 15 minutes unless otherwise arranged with the chairman of the program committee, R. F. Danner, care of Oklahoma Gas and Electric Company, Oklahoma City, Okla., or unless the presiding officer meets with the authors preceding the session to arrange the order of presentation and allotment of time for papers and discussion. Each speaker unannounced by the presiding officer is to step to the front of the room and announce, so that all may hear, his name and professional affiliation.

Discussion of Unpublished Papers. Those wishing to discuss any of the unpublished papers should write to R. F. Danner (at the above address) for mimeographed copies. It is suggested that discussers be limited to 10 minutes each and preference will be given to those who have sent copies in advance to R. F. Danner, chairman of the program committee. After these discussions have been given, the meeting will be opened for general discussion. The discussions of the unpublished papers will not be considered for publication.



One of the items which will be of particular interest to those attending the South West District meeting is the Oklahoma City oil field adjacent to the city. This general view of a portion of the oil field was taken in 1930 from a point just adjacent to the Oklahoma City business section, and shows a large number of wells in the process of drilling

Discussion of Published Papers. The same procedure governing the presentation of discussions of published papers should be followed as for the unpublished papers except that the *written* discussion to be submitted for consideration of publication should not be longer than the equivalent of 5 minutes' reading time. Discussion to be considered for publication should be based only upon the published papers and it must be submitted in triplicate (one of these copies to be the original, typed double spaced) to C. S. Rich, secretary of the technical program committee, A.I.E.E. headquarters, 33 West 39th St., New York, N. Y., on or before May 10, 1935. Discussion received after this date will not be accepted.

CONVENTION DINNER

The dinner will be held Thursday evening at 7:00 o'clock in the beautiful Venetian Room of the Skirvin Hotel. Tickets are \$1.50 per plate. Music and novelty entertainment features will be provided during the dinner.

INSPECTION TRIPS

Four inspection trips are scheduled, starting at 1:30 Thursday afternoon. One of these trips will cover many interesting features of the Oklahoma City oil field, including drilling, pumping, and refining operations. Some information on this oil field was given in *ELECTRICAL ENGINEERING* for February 1935, page 205, and March 1935, page 341. A second inspection party will visit points of interest on the Oklahoma City system of the Oklahoma Gas and Electric Company, including the Arthur S. Huey memorial generating station, the office of the chief dispatcher, and the short-circuit calculating board of the Company's transmission system. The Reno Street substation of this system was illustrated in *ELECTRICAL ENGINEERING* for February 1935, page 250.

A third group will visit the 34 story First National Bank Building, the plants of the Southwestern Bell Telephone Company and the Oklahoma Publishing Company, a broadcasting studio, an air conditioning installation, and other interesting places. A fourth party will visit the University of Oklahoma at Norman, 18 miles south of

Oklahoma City. One of the most outstanding departments of its engineering school is that of petroleum engineering, whose laboratory contains a complete oil refinery.

REGISTRATION

All who plan to attend this meeting are urged to register in advance by mail, if possible, by writing to E. B. Jennings, Southwestern Bell Telephone Company, Oklahoma City, Okla. Members and guests should complete their registration after arrival so as not to miss the opening session. There will be no registration fee for members and their immediate families or Enrolled Students, but all nonmembers will be charged a fee of \$2.

Hotel reservations should be made directly with the hotel preferred. The rates of the headquarters hotel and other leading hotels are given in table I.

An information desk will be open each day on the 14th floor of the Skirvin Hotel and a bulletin board for notices will be provided for the convenience of the members.

Table I—Hotel Rates

Hotel	Single	Double
Skirvin*.....	\$2.50, 3.00	\$3.00, 3.50
(headquarters)		4.00
Biltmore.....	\$2.50, 3.00	\$4.00, 5.00
	3.50, 4.00	6.00
Black.....	\$2.00, 2.50	\$3.00, 3.50
	3.00	4.00
Wells-Roberts.....	\$2.00, 2.50	\$3.00, 3.50
	3.00	4.00
Huckins.....	\$2.00, 2.50	\$3.00, 3.50
Kinkaid.....	\$1.25, 2.50	\$2.00, 3.50

All of the foregoing rates are with bath or shower.
* Special rates at headquarters hotel for students only: 4 to 6 in room with bath, \$1 per person.

COMMITTEES

The committees handling the work in connection with the Oklahoma City meeting are:

General Convention Committee—F. J. Meyer, vice president, District 7; C. W. Mier, secretary, District 7; A. Naeter, *chairman*, Oklahoma City Section; C. E. Bathe, secretary, Oklahoma City Section; and the chairmen of the 6 committees which follow.

Papers Committee—R. F. Danner, *chairman*, D. D. Clarke, C. I. Hendricks, H. R. Fritz, R. J.

Foley, J. A. Correll, M. C. Hughes, G. N. Pingree, M. B. Wyman, and R. R. Pittman.

Attendance and Publicity Committee—W. A. Kitchen, *chairman*, Roscoe Schaffer, J. S. Wantland, G. A. Dyer, A. L. Maillard, C. H. Kraft, E. G. Conroy, and J. B. Burr.

Transportation and Trips Committee—E. D. Freeman, *chairman*, G. E. Larason, R. W. Coursey, C. H. Frier, S. H. Lyons, T. E. Cutler, J. W. Shawver, W. H. Stueve, and E. T. Harrison.

Reception and Registration Committee—E. B. Jennings, *chairman*, Roy Jones, C. E. Musson, J. D. Browder, Leo Valentine, R. G. Brown, J. S. Wantland, Leonard King, E. E. Miller, Chris Heffner, W. A. Murray, Carl Almquist, and E. C. Fisher.

Finance Committee—F. B. Hathaway, *chairman*, C. E. Bathe, and W. M. Groves, Jr.

Entertainment and Arrangements Committee—A. C. Bookout, *chairman*; Hotel and Convention Hall Arrangements, E. H. Dinwiddie, *chairman*, John Wallis, J. S. Porter, and B. McDermott; Banquet, Ralph Randall, *chairman*, Roscoe Schaffer, and J. S. Joseph; Dance, C. M. Mackey, *chairman*, D. J. Mahaney, and J. W. Shawver; Bridge, W. A. Murray, *chairman*, L. B. Bass, and E. G. Green; Women's Luncheon-Bridge, C. L. Jobe, *chairman*, J. P. White, and S. H. Lyons; Women's Entertainment, Mrs. F. J. Meyer, *chairman*; Golf, O. K. Morell, *chairman*, Leo Valentine, and J. B. Kibler; Student Entertainment, R. W. Coursey, *chairman*, R. L. Jones, and E. T. Harrison.



Skirvin Hotel in Oklahoma City, Okla., which will be the headquarters for the Institute's South West District meeting, April 24-26, 1935



Oklahoma State historical building and museum, which may be visited by those attending the meeting of the Institute's South West District at Oklahoma City, Okla., April 24-26, 1935

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