

AMERICAN INSTITUTE of  
ELECTRICAL ENGINEERS

1884



1929

# Regional Meeting



Dallas, Texas

May 7-9

1929

*Headquarters: ADOLPHUS HOTEL*



*Dallas as seen from across  
Trinity River*

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# THE DALLAS RE

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ENGINEERING topics of great present interest are on the program of the Regional Meeting of the South West District of the Institute in Dallas, Texas, May 7-9. Headquarters will be in the Adolphus Hotel. Four technical sessions are planned and there will also be two Student sessions. Inspection trips, a most interesting lecture, a dinner-dance, etc., are other attractive events on the program.

## Engineering Papers

A-c. networks, bare-wire distribution, interconnection, lightning research, and effect of lightning on transformers, reclosing high-voltage circuits, remote metering, oil pipe line electrification, electrical features of waterworks, aviation lighting, railway signals, long-distance telephony, telephone networks and national radio broadcasting will be covered in the papers to be presented.

## Student Meetings

Two Student sessions will be held respectively on the afternoon of May 7 and the morning of May 8. Student activities will be discussed and ten papers will be presented by Students. A prize cup will be awarded for the best paper. All members are invited to attend.

## Inspection Trips

A number of trips have been arranged to points of interest in and near Dallas. These are scheduled for 2.00 p.m., May 8, and the points which may be visited are as follows:

- (a) Dallas Power & Light Company generating station
- (b) Southwestern Bell Telephone Company dial and toll equipment
- (c) Dallas Power & Light Company underground distribution system
- (d) Other places, such as—refineries, cement plant, textile mill, stocking factory, cotton-oil mill, Trinity River Reclamation Project, Trinidad Electric Generating Station using powdered lignite, Western Union Plant, packing house, Proctor & Gamble Plant, flour mill, structural-steel fabricating plant, etc., can be inspected on request.

## Lecture with Demonstrations

A most unusual and attractive lecture, supplemented by novel demonstrations will be given on the evening of May 7 by S. P. Grace of the Bell Telephone Laboratories, Inc. The title of this talk will be *Science and Research in Telephone Development*. Ladies, as well as men, will find this very enjoyable.

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# REGIONAL MEETING

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## **Entertainment**

A dinner-dance on the evening of May 9, and provisions for playing golf are the chief entertainment features.

*For the ladies*, in addition to the entertainment already mentioned, there will be luncheons, drives, bridge, shopping tours, etc.

## **Reduced Railroad Rates**

Reduced fares on the certificate plan have been arranged with the Southwestern Passenger Association. The special rate applies in full to all who purchase tickets in the Southwestern territory. Those who attend from the East may also benefit by the rate if they buy straight tickets to any point in the State of Arkansas, Kansas, Missouri, Oklahoma and Texas, and Memphis, Tennessee, and then re-buy from this point to Dallas.

Under this plan a certificate should be obtained when the ticket to Dallas is purchased. This certificate should be deposited at the registration desk at the meeting and if 100 certificates are deposited, return tickets may be purchased at one-half the regular fare. The same route must be followed in returning as used in going to Dallas.

Tickets will be sold from May 3 to May 9 and the latest return date is May 13.

*Everyone should get a certificate* whether he will use it or not. Doing this will help others to take advantage of the reduced fare which may result in considerable saving to those coming long distances. For the convenience of members a printed form is enclosed with this announcement which may be presented to the ticket agent when requesting a certificate.

## **Register in Advance**

By registering in advance by mail, members will help the local committees in making plans. The attached registration card may be used for this purpose.

At the meeting a registration fee of one dollar will be charged. Students and ladies will be exempt from this fee.

## **Hotel Reservations**

Hotel reservations should be made by communicating directly with the management of the hotel. Rates for the headquarters hotel, the Adolphus, and for other nearby hotels are given below. Special rates for students of 75c per day have been made by the Adolphus Hotel.

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# Program

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## Tuesday

9:00 a.m.  
Registration

10:00 a.m.  
Opening of Convention

B. D. HULL  
Vice-President, 7th Geographical District, A.I.E.E.  
presiding

Address of Welcome

### Power Session

G. A. MILLS—Presiding.

Developments in Network Systems and Equipment

T. J. BROSMAN and RALPH KELLY  
Westinghouse Elec. & Mfg. Co.

Standard-Voltage A-C Network

JOHN ORAM  
Dallas Power & Light Co.

Automatic Reclosing of High-Voltage Circuits

E. W. ROBINSON and S. J. SPURGEON  
Alabama Power Co.

12:30 p.m.

**Joint Luncheon with Dallas Electric Club**

2.00 p.m.

**Joint Meeting, Student Branches and Sections**

G. C. SHAAD, Chairman.

Remarks R. F. SCHUCHARDT  
President, A.I.E.E.

### PAPERS BY STUDENTS:

Evaluation of Physical Property of Distribution  
Systems

T. E. PETERS  
University of Arkansas

Piezo-Electric Oscillators

LEROY MOFFETT, JR.  
University of Oklahoma

Frequency Stability of Split-Anode Magnetron  
Oscillators

NORVEL DOUGLAS  
University of Kansas

A General Network Theorem

L. R. BROWN  
University of Texas

The Effect of Terminating Impedances on the  
Characteristics of Filters

M. J. MILLER  
Washington University

8:00 p.m.

### Address

Science and Research in Telephone Development

S. P. GRACE  
Bell Telephone Laboratories, Inc.

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PROGRAM—Continued

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## Wednesday

9:30 a.m.

### Technical Session

A. E. BETTIS, Presiding

Bare-Wire Overhead Distribution Practise

M. C. MILLER  
Texas Power & Light Co.

Interconnection in the Southwest

G. A. MILLS  
Central and Southwest Utilities Co.

Electrification of Oil Pipe Lines in the Southwest

D. H. LEVY  
Magnolia Petroleum Company

Selective Remote Metering Equipment

R. J. WENSLEY  
Westinghouse Elec. & Mfg. Co.

9:30 a.m.

### Student Session

Opening Remarks

B. D. HULL  
Vice-President, 7th Geographical District, A.I.E.E.

Student Activities

H. H. HENLINE  
Assistant National Secretary, A.I.E.E.

General Discussion

### PAPERS BY STUDENTS:

A Method of Measuring Surface Iron Losses

H. E. GOVE and R. A. FOLT  
University of Missouri

Positive Sense; Its Application to Vector Diagrams

T. W. BEAMS  
Texas A. & M. College

Performance of Standard Transformers Connected  
as Auto-transformers

J. J. LOVING and G. R. REDDEN  
Texas A. & M. College

Supervision of Gas, Electric and Water Meters in  
Texas

W. E. HENRICHSON  
University of Texas

A Universal Deficiency-Compensating Amplifier

J. E. PEEK  
Oklahoma A. & M. College

2:00 p.m.

### Inspection Trips

7:00 p.m.

### Dinner-Dance

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PROGRAM—Continued

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# Thursday

9:30 a.m.

## Technical Session

J. B. THOMAS—Presiding

### Progress in Lightning Research

F. W. PEEK, JR.  
General Electric Co.

### Lightning Studies of Transformers by the Cathode-Ray Oscillograph

F. F. BRAND and K. K. KALUEFF  
General Electric Co.

### Flying-Field and Airway Lighting

H. R. OGDEN  
U. S. Army

### Electrical Features of the new Kansas City Water Works Plant

A. L. MAILLARD  
Consulting Engineer

2:00 p.m.

## Technical Session

W. O. PENNELL—Presiding

### Meeting Long-Distance Telephone Problems in the Southwest

H. R. FRITZ and H. P. LAWTHER  
Southwestern Bell Telephone Co.

### Railway Train Signal Practise

P. M. GAULT  
Missouri-Pacific System

### Telephone Transmission Networks

T. E. SHEA and C. E. LANE  
Bell Telephone Laboratories

### Program Transmission over Telephone Circuits for National Broadcasting

F. A. COWAN  
American Telephone and Telegraph Co.

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## HOTEL ROOM RATES

Name	Without Bath		With Bath	
	Single	Double	Single	Double
Adolphus.....			\$2.00-6.00	\$3.50-8.00
Baker.....			2.00-5.00	4.00-7.00
Jefferson.....	\$2.00	\$3.00	3.00	5.00
Hilton.....	\$1.50-1.75	2.75	2.00-3.00	3.50-6.00
Scott.....			2.00-2.50	4.00-5.00
Sanger Apts.....			2.00-2.50	5.00
Mayfair.....			2.00-2.50	4.00-5.00

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# Committees

in charge of the Dallas Regional Meeting

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## REGIONAL MEETING COMMITTEE

B. D. Hull, *Chairman, Vice-President South West District*

A. E. Allen, *Secretary, South West District*

L. T. Blaisdell	G. A. Mills
C. V. Bullen	C. P. Potter
B. J. George	G. C. Shaad
W. C. Looney	J. B. Thomas

## LOCAL COMMITTEE

G. A. Mills, *Chairman*

A. Chetham-Strode, *Secretary*

## MEETINGS AND PAPERS COMMITTEE

J. B. Thomas, *Chairman*

C. O. Bailey	C. B. Fall
H. P. Charlesworth	E. H. Flath
W. C. Dreyer	H. P. Lawther
A. L. Maillard	

## ENTERTAINMENT AND RECEPTION COMMITTEE

L. T. Blaisdell, *Chairman*

W. B. Clayton	A. S. O'Bar
G. A. Dyer	R. W. Roessler
H. E. McDowell	S. M. Sharp
J. D. Milburn	E. N. Willis

## TRANSPORTATION AND INSPECTION COMMITTEE

W. C. Looney, *Chairman*

E. W. Burbank	Sam Dick
F. A. Cooper	A. J. Smith
H. K. Handley	W. E. Silvus

## HOTELS AND REGISTRATION COMMITTEE

E. L. Glander, *Chairman*

O. S. Hockaday	R. H. McInturff
Harry Pitzer	

## ATTENDANCE AND PUBLICITY COMMITTEE

T. C. Ruhling, *Chairman*

F. C. Bolton	J. W. McDonald
H. H. Bradley	W. J. Miller
R. E. Hendricks	Perry O'Neill
D. H. Levy	J. S. Palmer
J. W. Ramsey	

## FINANCE COMMITTEE

C. G. Matthews, *Chairman*

W. B. Folline	R. M. Graeter
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## STUDENT ACTIVITIES COMMITTEE

G. C. Shaad, *Chairman*

J. A. Correll	Edwin Kurtz
H. C. Dillingham	I. H. Lovett
H. C. Hake	W. B. Stelzner
R. G. Kloeffler	F. G. Tappen
M. P. Weinbach	

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