

MIDDLE EASTERN DISTRICT MEETING

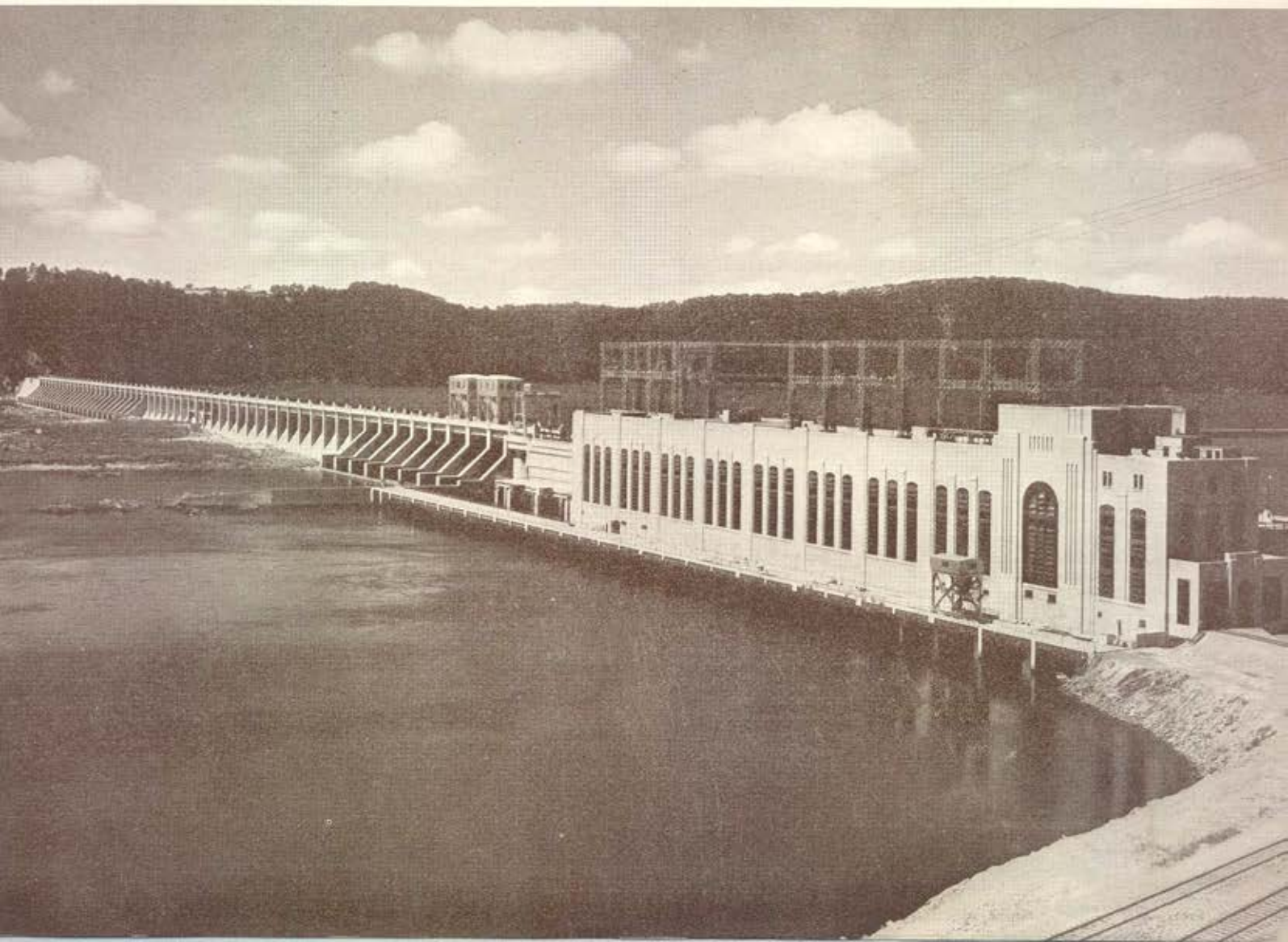
American Institute of Electrical Engineers



BALTIMORE, MD.

OCTOBER 10-13
1932

SAFE HARBOR DEVELOPMENT



MIDDLE EASTERN DISTRICT MEETING

THE FALL MEETING of the Middle Eastern District will be held at Baltimore, October tenth to thirteenth, with headquarters in the Lord Baltimore Hotel.

The Committee on Insulation of the National Research Council, under the chairmanship of Dr. John B. Whitehead, will meet October tenth to twelfth.

TECHNICAL SESSIONS

An excellent technical program has been prepared, including a joint session with the Committee on Insulation of the National Research Council, where papers will be presented covering the latest discoveries in dielectrics and the most recent developments of cable research. There will be a session on telephone cable outlining recent advances in the design and manufacture of pulp insulated cable and the use of cables for telephone distribution purposes.

At the Electric Power Sessions water power will be treated not only from the economic aspects, but with particular reference to the design and construction of the Safe Harbor development, including the transmission and utilization of the energy as well as the research activities at the Holtwood hydraulic laboratory, of the Pennsylvania Water and Power Company, which culminated in the design of the hydraulic turbines at Safe Harbor for sustained efficiencies at partial loads and with reduced head.

INSPECTION TRIPS

Monday, 8:00 p.m.

The plant of the Locke Insulator Company will be visited and after a brief inspection of routine factory control tests, an exhibition of high-voltage phenomena will be staged in the 3,000,000-volt laboratory. In addition to the scientific interest which this display will have for the purely technical observer, the spectacular nature of the demonstration will have a decided appeal to laymen and to ladies. Busses will leave the Hanover Street entrance of the hotel at eight o'clock, returning about ten o'clock—fare twenty-five cents.

Tuesday, 2:00 p.m.

Two inspection trips have been scheduled, one to the Westport and Gould Street Generating Stations and the step-down substation at the terminus of the Safe Harbor-Baltimore transmission line, the other to the insulated wire mill and cable plant of the Western Electric Company and the nearby factory of the General Aviation Company. Busses will leave the Hanover Street entrance of the hotel at two o'clock sharp. Fare for either trip will be forty cents a round trip.

Thursday, 8:15 a.m.

An all-day inspection trip to Safe Harbor will be made by special train over the Pennsylvania Railroad, leaving Union Station at eight-fifteen a.m. Ample time will be available for inspecting the dam, power house, switch bay, step-up transformer station, and 230-kv. river crossing. Luncheon will be served by the Pennsylvania Water and Power Company. Returning, the train will leave at three o'clock and arrive in Baltimore at half past four. Special railroad tickets to Safe Harbor and return will be

four dollars, including luncheon. Convenient arrangements for connections at junction points with through trains can be made at the registration desk by those wishing to return home direct from the Safe Harbor trip.

ENTERTAINMENT

Tuesday afternoon there will be a trip for the ladies to Annapolis. After an interesting sightseeing trip, tea will be served at Carvel Hall. Busses will leave the hotel fifteen minutes before two o'clock. There is no charge for this trip.

There will be an informal dinner dance at the Lord Baltimore Hotel Wednesday evening, with special entertainment features during dinner, which will be followed by dancing. Tickets will be three dollars and fifty cents.

Those members wishing to play golf will, upon registering, be introduced at any of the local golf clubs.

SPECIAL MEETINGS

On Tuesday evening a special program of unusual significance will be provided, commencing at 8:00 p.m., in the ballroom of the Lord Baltimore Hotel. President Charlesworth will address the meeting and the District prizes for papers also will be awarded.

On Wednesday, October 12, at 2:00 p.m., a meeting of the Board of Directors of the Institute will be held at the Lord Baltimore Hotel.

REDUCED RAILROAD FARES

Special railroad rates will be available under the certificate plan if 100 certificates are turned in for validation at the meeting. When purchasing one-way tickets, members and guests should advise the ticket agent that they are attending the A.I.E.E. Middle Eastern District Meeting at Baltimore and secure certificates.

HOTELS

Reservations for hotel accommodations should be made by filling out and mailing the enclosed reservation card or by writing directly to any other hotel preferred. Rates for rooms with bath are:

Hotels	Rooms with Bath	
	Single	Double
Lord Baltimore.....	\$3.50-\$8.50	\$5.50-\$10.00
Emerson	3.00- 5.00	4.50- 10.00
Southern	2.50- 4.00	4.50- 6.00
Belvedere	4.00- 7.00	6.00- 8.00

The Emerson and Southern Hotels are within three squares of the Lord Baltimore Hotel, while the Belvedere is about one mile farther uptown.

REGISTRATION

All who plan to attend the meeting should register by mail, using the enclosed advance registration card. This will result in the saving of considerable time at the Registration Desk. A book of tickets covering inspection trips, dinner dance, and Safe Harbor excursion may be purchased at the Registration Desk for seven dollars. An enrollment fee of one dollar will be charged to help pay the expense of the meeting.

Technical Program

All technical sessions will be held in the
Lord Baltimore Hotel

Monday, October 10

9:00 a.m.—Registration

2:00 p.m.—Cables—A Joint Session of the A.I.E.E.
and the Committee on Electrical Insulation of the N.R.C.

DR. J. B. WHITEHEAD, *Presiding*

115-Kv. Submarine Cable Crossing of the Columbia
River.

W. R. BULLARD
Electric Bond and Share Co.
S. B. CLARK and
E. F. PEARSON
Northwestern Electric Co.
G. B. SHANKLIN
General Electric Co.

Thermal Transients and Oil Demands in Cables

K. W. MILLER
Utilities Research Commission
F. O. WOLLASTON
Commonwealth Edison Co.

Voltage Regulation of Cables Used for Low-Voltage
Alternating-Current Distribution

H. R. SEARING
The United Electric Light and Power Co.
and The New York Edison Co.
E. R. THOMAS
The United Electric Light and Power Co.

Traveling Wave Voltages in Cables

H. G. BRINTON
F. H. BULLER, and
W. J. RUDGE, Jr.
General Electric Co.

Tuesday, October 11

9:30 a.m.—Telephone Cables

J. L. DAWSON SPEER, *Presiding*

Some Phases of Electrical Testing in a New Rubber-
Covered Wire Plant

C. W. PROTZMAN and
W. M. HILL
Western Electric Co., Inc.

Pulp Insulation for Telephone Cables

H. G. WALKER
Western Electric Co., Inc.
L. S. FORD
Bell Telephone Laboratories, Inc.

Use of Cables for Telephone Distribution Purposes

M. C. ROSE and H. A. RUSSELL
The Chesapeake and Potomac Telephone Company
of Baltimore City

2:30 p.m.—A session of the *Committee on Electrical Insulation of the National Research Council*, Dr. J. B. Whitehead, *Chairman*, will be held at the School of Engineering at the Johns Hopkins University. In this session the results of recent research in the field of dielectrics and insulation will be presented. Informal reports of progress will be presented by manufacturers, scientific societies, and Governmental and University laboratories.

Wednesday, October 12

9:30 a.m.—Safe Harbor Development

A. F. BANG, *Presiding*

Economic Aspects of Water Power

F. A. ALLNER
Pennsylvania Water and Power Co.

Safe Harbor Project

N. B. HIGGINS
Safe Harbor Water Power Corp.

Safe Harbor-Westport 230-Kv. Transmission Line

E. HANSSON
Pennsylvania Water and Power Co.

Reception and Distribution of Safe Harbor Energy in
Baltimore

A. S. LOUIZEAUX
Consolidated Gas, Electric Light and Power Company
of Baltimore

2:00 p.m.—Safe Harbor Development

J. R. BAKER, *Presiding*

Low Head Hydroelectric Developments

A. V. KARPOV
Aluminum Company of America

Safe Harbor Kaplan Turbines—Design of Setting and
Cavitation Limit As Developed at the Holtwood
Hydraulic Laboratory

L. M. DAVIS and G. W. SPAULDING
Safe Harbor Water Power Corp.

Wednesday, October 12

9:30 a.m.—The meeting of the NATIONAL RESEARCH COUNCIL, Committee on Electrical Insulation, will be continued at the Engineering School of the Johns Hopkins University

Rules on Presenting and Discussing Papers

At the technical sessions papers will be presented in abstract, 10 minutes being allowed for each paper unless otherwise arranged, or the presiding officer meets with the authors preceding the session to arrange the order of presentation and allotment of time for papers and discussion.

Any member is free to discuss any paper when the meeting is thrown open for general discussion. Usually 5 minutes are allowed each discussor. When a member signifies a desire to discuss papers on other subjects or groups, he shall be permitted a 5-min. period for each subject or group.

It is preferable that a member who wishes to discuss a paper give his name beforehand to the presiding officer of the session at which the paper is to be presented. Copies of discussion prepared in advance should be left with the presiding officer. Each discussor is to step to the front of the room and announce, so that all may hear, his name and professional affiliations. Discussions at the technical sessions are not reported. To be considered for publication, discussions should be written and mailed to the A.I.E.E., Editorial Department, 33 West 39th Street, New York, N. Y., on or before Oct. 28, 1932.

Committees

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DISTRICT MEETING

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A. F. Bang	L. G. Smith
F. A. Connor	J. T. Walther
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J. Wells, *Secretary*

OTHER COMMITTEES

Papers.....	A. F. BANG, <i>Chairman</i>
Finance.....	W. H. MEESE, <i>Chairman</i>
Hotel and Registration.....	L. G. SMITH, <i>Chairman</i>
Banquet and Entertainment.....	W. O. PEALE, <i>Chairman</i>
Transportation and Inspection.....	ADRIAN HUGHES, <i>Chairman</i>
Printing and Publicity.....	A. L. PENNIMAN, JR., <i>Chairman</i>
Golf.....	F. E. RICKETTS, <i>Chairman</i>
Ladies.....	MRS. J. B. WHITEHEAD, <i>Chairman</i>

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