

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
PACIFIC COAST CONVENTION

VANCOUVER, B. C., SEPT. 9-11, 1942

Convention Headquarters: Hotel Vancouver



Capilano River and "The Lions"—typical of the beautiful scenery in proximity to Vancouver

SESSIONS

Since both Canada and the United States are concerned chiefly with the successful prosecution of the war, nearly all the problems to be discussed are of direct concern to the war production effort. Most of the papers deal with the problems of power supply and the protective apparatus used on power systems. In one of the apparatus sessions two papers will describe the applications of rectifiers to the electrochemical industry. Two other presentations, guides to the safe overload operation of transformers, and the supply of kilowatts and kilovars, should aid in getting the most out of electrical systems, thus conserving copper and other critical materials.

STUDENT ACTIVITIES

Provision has been made for two student technical sessions. If a sufficient number of student papers should not develop, it may be necessary to alter these plans at the time of the convention. A luncheon conference for students, Branch Counselors, and national officers will be held on Thursday, September 10, at 12:00 m. Students also are invited to attend all of the other convention activities.

ENTERTAINMENT

An informal dinner will be held in the Hotel Vancouver on Wednesday, September 9, at 7:30 p.m. Preceding the dinner there will be a reception for Harold S. Osborne, President, A.I.E.E.

On Thursday, September 10, at 9 p.m., a formal dance also will be held in the Hotel Vancouver.

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Pacific Coast Conventio

ADVANCE COPIES OF PAPERS

Preprints of technical papers may be obtained by mail by remitting price indicated to the AIEE Order Department, 33 West 39th Street, New York, N. Y.; if purchased at AIEE headquarters or at the convention 5c less per copy. For convenience an order form is enclosed. Only numbered papers will be available in advance-copy form. 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 \$5.00 denominations are available for those who wish to avoid remittance by check or otherwise. Most of the papers ultimately will be published in **ELECTRICAL ENGINEERING or TRANSACTIONS.**

WEDNESDAY, SEPTEMBER 9

9:00 a.m.—Registration (daily to 5:00 p.m.)

10:00 a.m.—Opening of Convention

Address of Welcome

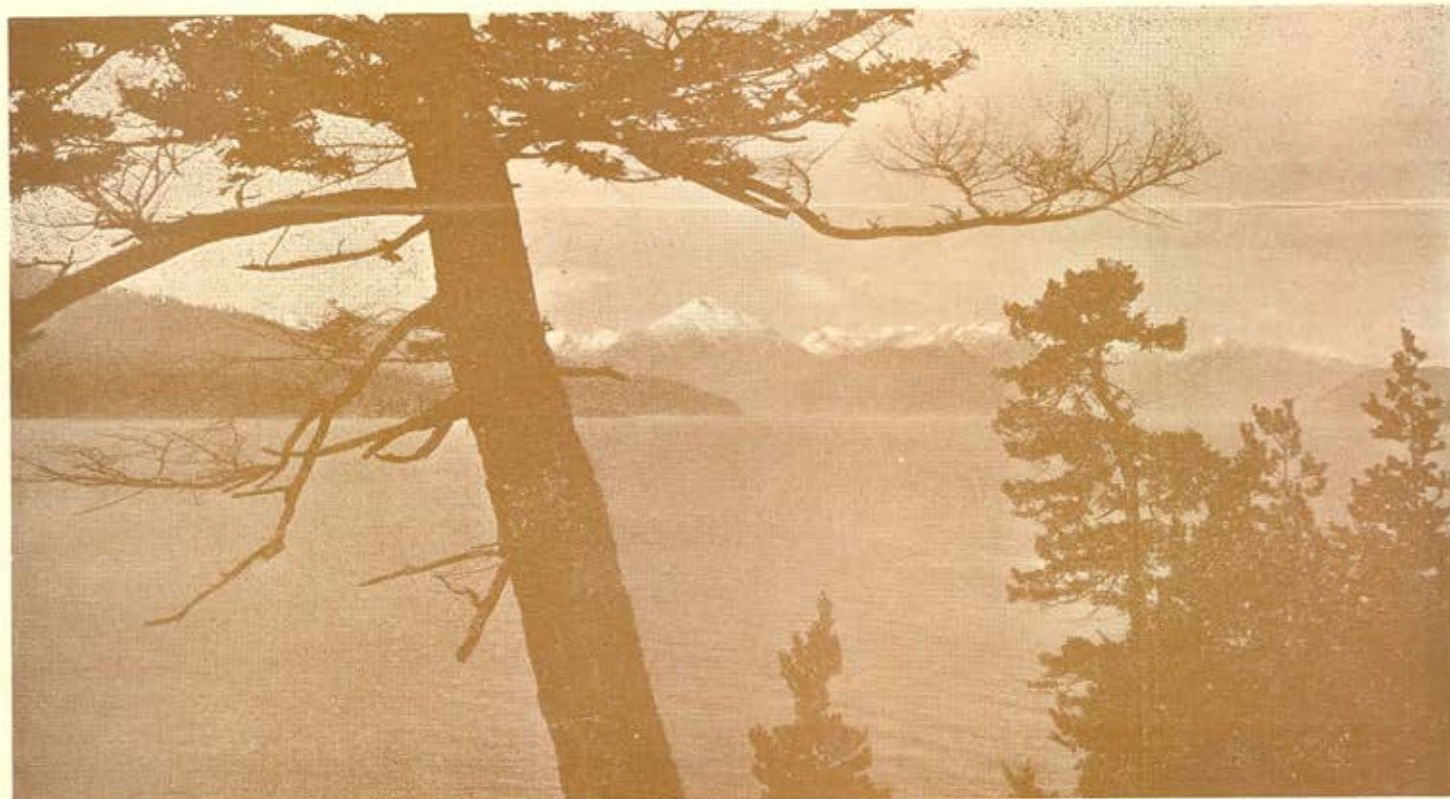
Response, Harold S. Osborne, President, A.I.E.E.

—System Operation

42-146. A Practical Discussion of Problems in Transformer Differential Protection. P. W. Shill, British Columbia Elec. Railway Co., Ltd. 25 cents by mail.

42-153. Three-Winding Transformer Ring-Bus Characteristics. G. W. Bills and C. A. MacArthur, Bonneville Power Administration. 15 cents by mail.

†C.P. Automatic Tie-Line Load Control, an Application to the Northwestern Electric Company's System. Owen W. Hurd.



Howe Sound where boat trips are available daily

on - Program - Vancouver, B.C., September 9-11, 1942

12:00 m. —Luncheon Conference of National, District, and Section Officers

2:00 p.m.—Apparatus I

- 42-157. Some Air-Blast Circuit-Breaker Installations in Canada. H. W. Haberl, Montreal Light, Heating and Power Consolidated, and R. A. Moore, English Electric Co. of Canada, Ltd. 15 cents by mail.
- 42-155. Design and Operation of High-Voltage Axial Air-Blast Circuit Breakers. Armin K. Leuthold, Brown Boveri and Swiss Electric Co. of Canada, Ltd. 20 cents by mail.
- 42-148. Design, Manufacture and Installation of 120-Kv Oil-Filled Cables in Canada. D. M. Farnham, Montreal Light, Heat and Power Consolidated, and O. W. Titus, Canada Wire and Cable Co., Ltd. 25 cents by mail.
- 42-151. Some Canadian Developments in Relays and Relay *A.C.O. Applications. E. G. Ratz, Canadian Westinghouse Co., Ltd. 20 cents by mail.

2:00 p.m.—Student Technical Session

7:30 p.m.—President's Reception and Dinner

THURSDAY, SEPTEMBER 10

10:00 a.m.—Apparatus II

- 42-118. Ignitron Rectifiers in Industry. J. H. Cox and G. F. Jones, Westinghouse Elec. and Mfg. Co. 20 cents by mail.
- 42-138. Electrical Equipment for Large Electrochemical Installations. T. R. Rhea and H. H. Zielinski, General Electric Co. 30 cents by mail.
- 42-156. Interim Report on Guides for Overloading Transformers and Voltage Regulators. Transformer Subcommittee of Committee on Electrical Machinery. 15 cents by mail.
- †C.P. Supply of Reactive Kva by Capacitors Saves Strategic Materials. J. W. Butler, General Electric Co.

12:00 m. —Luncheon Conference for Students, Branch Counselors, and National Officers

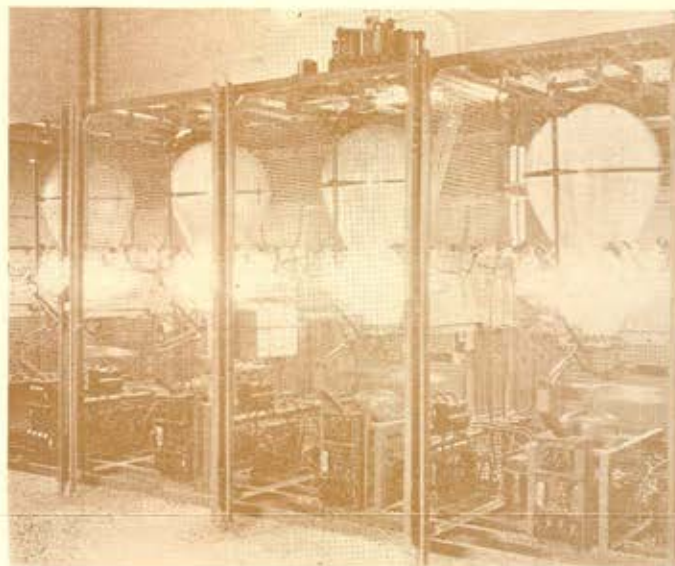
2:00 p.m.—Student Technical Session
—Golf—Competition for John B. Fiskén Cup

9:00 p.m.—Dance (formal)

FRIDAY, SEPTEMBER 11

10:00 a.m.—System Planning

- 42-150. Power System Inter-Connection in Quebec. W. R. Way, The Shawinigan Water and Power Co. 25 cents by mail.



Glass-bulb mercury-arc rectifiers at one of the British Columbia Electric Railway Company's substations

- 42-149. Method for A-C Network Analysis Using Resistance Networks. Waldo E. Enns, Portland General Electric Co. 20 cents by mail.
- 42-158. Inverse Functions of Complex Quantities. Herbert B. Dwight, Massachusetts Institute of Technology (Presentation by title). 15 cents by mail.
- †C.P. Furnace Transformers. Frank T. Wyman, Packard Electric Co., Limited.
- †C.P. Electric Arc Furnaces. John Young, the Volta Manufacturing Company, Limited.

12:00 m. —Joint Luncheon with Vancouver Electric Club

2:00 p.m.—Selected Subjects

- 42-152. History of Alternating-Current Wave Form, Its Determination and Standardization. Frederick Bedell, Consulting Physicist in Pasadena. 15 cents by mail.
- 42-154. Application of Vacuum-Tube Oscillators to Induction and Dielectric Heating in Industry. J. P. Jordan, General Electric Co. 15 cents by mail.
- 42-147. A New Single-Pole Service Restorer. E. E. Tugby, Pacific Electric Mfg. Corp. 15 cents by mail.

*A.C.O.—Advance copies only available; not intended for publication in TRANSACTIONS.

†C.P.—Conference presentation; no advance copies of papers available; not intended for publication in TRANSACTIONS.

See **ELECTRICAL ENGINEERING**, August Issue,
for Abstracts of Most Papers

