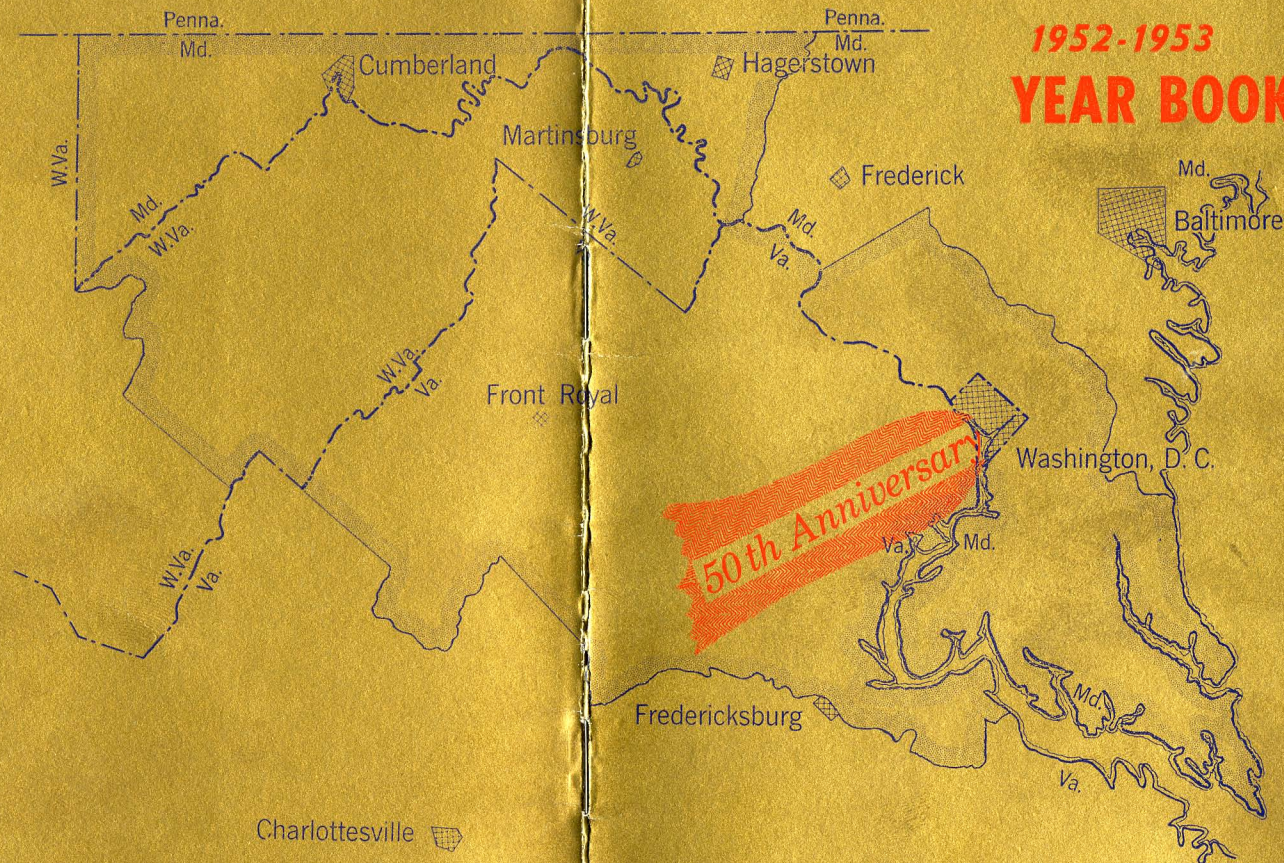


**WASHINGTON SECTION**

**1952-1953**

**YEAR BOOK**



**AMERICAN INSTITUTE  
OF  
ELECTRICAL ENGINEERS**



Washington, D. C.  
September 1, 1952

TO THE WASHINGTON SECTION:

The Year Book Committee proudly presents your first Washington Section Year Book.

We honestly feel it will be helpful to you in your association with the Section, the District and the Institute.

In particular we are proud of the coverage assigned to the Washington Section, the multi-varied interests of its members and the fine group of progressive thinking Electrical Engineers in whom lie the success of the years ahead.

We believe this Year Book will stimulate your interest in A.I.E.E. and hope it will incite your activity so as to make this and succeeding years even more colorful than the first fifty.

Sincerely,

YEAR BOOK COMMITTEE

D. K. STEIDINGER, *Chairman*  
R. N. TOMB, *Vice-Chairman*  
R. D. BENNETT  
J. E. O'BRIEN  
H. H. THOMPSON

AMERICAN INSTITUTE  
OF  
ELECTRICAL ENGINEERS



1952-1953

YEAR BOOK

*50th Anniversary Edition*

*"The object of the A.I.E.E. shall be the advancement of the theory and practice of Electrical Engineering and of the Allied Arts and Sciences and the maintenance of a high professional standing among its members."*

WASHINGTON SECTION  
WASHINGTON, D. C.

# Our Chairman's Message

Washington, D. C.

August 1, 1952

## FELLOW ENGINEERS:

Your newly elected officers and Executive Committee are well aware of the great responsibility that is theirs for the coming year. On behalf of them and myself, I wish to express our warm gratitude for the confidence and honor that you, as members of the Washington Section, have bestowed on us by election to office for the year 1952-1953.

We pledge our every effort to maintain the high standards that have become a tradition in our section. With the help of every member, we hope to increase our knowledge of engineering and to promote better fellowship by providing frequent "get-togethers" where old friendships will be refreshed and new ones developed. Plans have been started for a wide variety of activities and it is hoped that all members will participate in the program.

With the many fine members who have agreed to serve on the various committees, we are looking forward to an enjoyable and active year of good fellowship.

Sincerely,

THOMAS A. O'HALLORAN

Chairman

Washington Section

# Our 50th Anniversary!

Washington, D. C.

August 1, 1952

## FELLOW MEMBERS OF WASHINGTON SECTION:

April 9, 1953 will mark the fiftieth anniversary of the founding of the Washington Section. In recognition of this event the coming year has been designated as our Golden Anniversary Year. Your Golden Anniversary Committee has proposed a program which will emphasize the Anniversary theme in the various activities of the Section throughout the year, and will reach its climax when the Section celebrates its birthday next April.

During the past fifty years the Section has grown to be one of the largest and most active in the United States. This record is one in which each member of the Section may take justifiable pride, and one which will serve as a firm foundation upon which the Section may build for the future.

The coming year provides a challenge and an opportunity for greater progress and greater service. Let us give due recognition to our accomplishments of the past — and let us regard the Golden Anniversary of the Section as the threshold to the "Second Fifty."

Sincerely,

Golden Anniversary Committee

J. E. O'BRIEN, Chairman

J. S. ANTEL

DIXON LEWIS

J. R. O'HANLON

G. R. WILHELM



## HIGHLIGHTS OF OUR

*first 50 years!*

Washington, D. C.

August 1, 1952

The Washington Section of the A.I.E.E. had its beginnings in 1902. A list of the members of the A.I.E.E. issued in 1902 shows that there were about 30 members who gave Washington as their residence. Some of these, probably under the leadership of Mr. Philander Betts, started a movement in that year for organizing a Washington Branch of the A.I.E.E. In the fall, an organization meeting was held in a room of Columbian University (now George Washington University), then located at 15th & H Sts., N. W. An application was then made to the parent Society for a charter for a Washington Branch, which charter was received on April 9, 1903. At that time the Branch was duly organized by the election as Chairman of Dr. F. A. Wolff of the National Bureau of Standards and as Secretary Mr. Philander Betts of the Bureau of Yards and Docks, Navy. The first meeting of the Branch for the presentation of papers was held on Nov. 5, 1903 at which Members Bliss and Eastham presented reviews of some papers on "High Speed Electric Railway Problems."

Since the early days the progress of this organization has been gradual but in general continuous. Along the way, the Branch became a Section. Facts concerning this progress appear in Publications of the parent Society. The first time the Washington Section was host to a National group from the Society was in April, 1914, when the 294th meeting of the Institute was held here. This meeting was under the auspices of the Electro-Physics Section of the National Society. Since then the Washington Section has frequently been host to various outside groups. Perhaps the meeting of widest interest was in June 1938 when the National Summer Convention of the Institute was held here.

The section has also been host to several District Conventions, the most recent of which was in October 1948.

From its modest beginning of 30 members, the Section has grown to approximately 1,200. With the increase in activities in the first half century, what will the second bring forth!

## AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS WASHINGTON SECTION 1952-1953

### OFFICERS

THOMAS A. O'HALLORAN

*Chairman*

Chesapeake and Potomac  
Telephone Company  
725 13th Street, N.W.  
Washington 5, D. C.  
ME 9900, ext. 8233

JAMES O. PEASE

*Secretary-Treasurer*

Rumsey Electric Company  
517 Southern Building  
Washington 5, D. C.  
RE 8117

WADE M. EDMUNDS

*Vice-Chairman*

Rural Electrification Admin-  
Washington 25, D. C.  
RE 4142, ext. 4075

B. F. SLINGLUFF

*Asst.-Secretary-Treasurer*  
Potomac Electric Power Co.  
10th & E Sts., N. W.  
Washington 4, D. C.  
NA 8800, ext. 511

### EXECUTIVE COMMITTEE

*It shall be the duty of the Executive Committee to have jurisdiction over all Section activities and to decide all matters of administration and policy. It shall direct the expenditure of all Section funds, and shall approve all bills.*

SETH W. BOOTH

Naval Ordnance Laboratory  
SH 7100, ext. 361

WILLIAM J. ELLENBERGER

Department of the Army  
LI 5-6700, ext. 5-4115

CARL H. GIROUX

Department of the Army  
LI 5-6700, ext. 7-2160

FREDERICK W. WILLCUTT

Potomac Electric Power Co.  
NA 8800, ext. 236

## ADVISORY BOARD

The Advisory Board is the judicial body of the Section whose duties shall be to consider and report to the Executive Committee, or direct to the Section members, its recommendation on any matter referred to it by the Chairman of the Section, Executive Committee, in writing by ten members of the Section, or on any matter initiated by itself.

FRANK B. CRIDER  
Chairman

General Electric Company  
EX 3600

DIXON LEWIS  
Aluminum Company of America

FREDERICK W. WILLCUTT  
Potomac Electric Power Co.

G. GRAVATT COLEMAN  
Chesapeake and Potomac  
Telephone Company

WILLIAM H. FIFER  
Department of the Navy —  
Bureau of Ships

WILLIAM J. LANK  
Potomac Electric Power Co.

HAROLD W. KELLEY  
Rural Electrification Admin.

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Our District No. 2 (Middle Eastern) Chairman is Mr. J. C. Strasbourger, Cleveland Electric Illuminating Company, Cleveland, Ohio.

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The address of the Institute headquarters is:

American Institute of Electrical Engineers  
33 West Thirty-ninth Street  
New York 18, New York

## MEETING DATES WASHINGTON SECTION

### GENERAL MEETINGS

|             |             |
|-------------|-------------|
| October 14  | February 10 |
| November 18 | March 10    |
| December 9  | April 14    |
| January 13  | May 12      |

### TECHNICAL MEETINGS

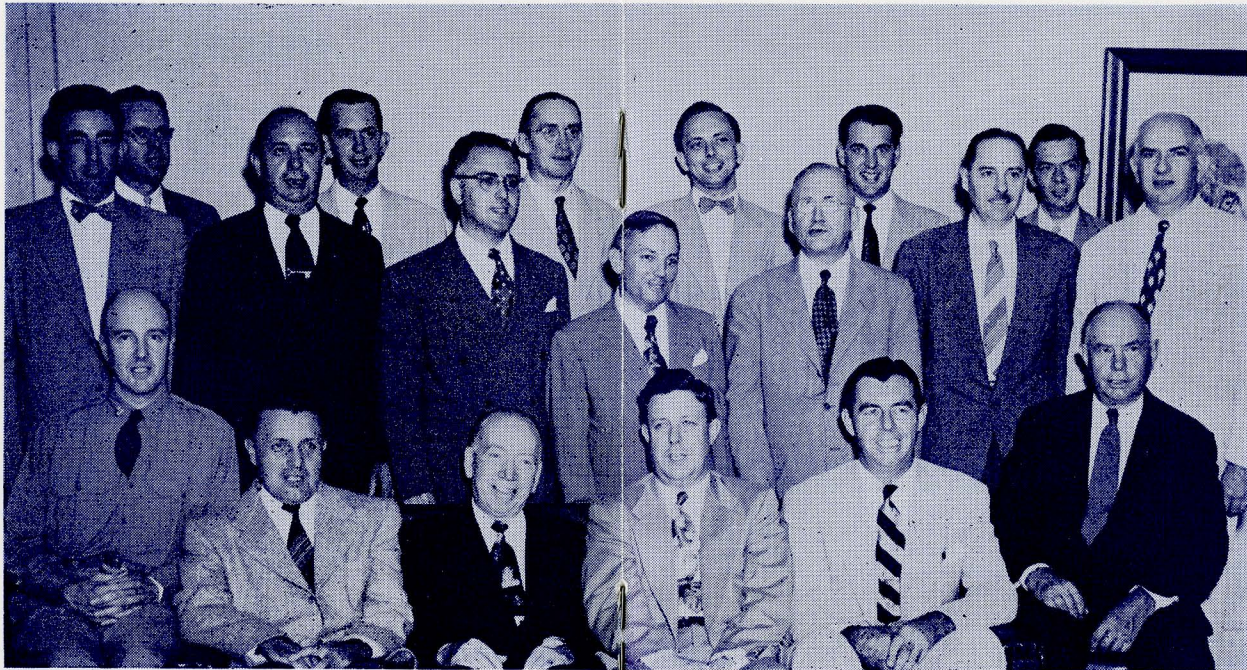
|             |             |
|-------------|-------------|
| October 28  | February 24 |
| November 25 | March 24    |
| December 16 | April 28    |
| January 27  | May 26      |

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All meetings (unless otherwise scheduled) are held in the Potomac Electric Power Company Auditorium, 10th and E Streets, N. W., Washington, D. C. at 8:00 P. M.



**WASHINGTON SECTION  
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
1952-1953  
OFFICERS AND COMMITTEE CHAIRMEN**



Seated (l. to r.) OFFICERS — W. J. Ellenberger, Executive Committee; B. F. Slingsluff, Asst. Sec'y-Treas.; W. M. Edmunds, Vice Chairman; T. A. O'Halloran, Chairman; J. O. Pease, Sec'y-Treas.; C. H. Giroux, Executive Committee.

Middle Row (l. to r.) COMMITTEE CHAIRMEN — D. K. Steidinger, Year Book; F. B. Crider, Advisory Board; E. L. Brancato, Awards; D. C. Vaughan, Education; H. H. Thompson, History and Records; D. S. Bender, Student Activities; J. E. O'Brien, Golden Anniversary.

Back Row (l. to r.) COMMITTEE CHAIRMEN — F. E. Martin, Membership; R. A. Irwin, Attendance and Sociability; J. J. A. Jessel, Meetings and Papers; R. E. Morris, Publicity; C. W. Schmitz, Activities-Personnel; D. F. Hughes, Transfers.

MISSING — S. W. Booth, Executive Committee; F. A. Willcutt, Executive Committee; M. M. Moore, Technical Programs.



## COMMITTEES

### MEETINGS AND PAPERS

The purpose of this committee is to arrange the programs of the general monthly meetings, including the selection of topics and qualified speakers for each such meeting. In addition this committee reviews all papers of Section members for possible entrance by the committee on behalf of the author in District and Institute prize paper competitions or for forwarding to "ELECTRICAL ENGINEERING" for publication consideration.

JOSEPH J. A. JESSEL, *Chairman*—Federal Power Commission  
EX 0100, ext. 88  
WILLIAM H. TREADWAY, *Vice-Chairman*—U. S. Navy, Bureau of  
Yards and Docks  
WILLIAM P. BELL—Allis-Chalmers Mfg. Co.  
I. F. CONRAD—General Electric Company  
L. B. SPONHOLTZ—Westinghouse Electric Corporation  
JOHN F. ATKINSON—Rural Electrification Administration  
R. G. HENNESSY—Naval Research Laboratory  
ALMON W. SPINKS—National Bureau of Standards  
FRANK WALTERS—Potomac Electric Power Company  
C. E. BENNETT—Federal Power Commission  
G. W. THAXTON—Atomic Energy Commission

### PUBLICITY

The function of this committee is to see that adequate publicity is obtained for Washington Section A.I.E.E. activities. By means of the public press, radio, television, etc., every effort should be made to publicize programs of the Section and all of its activities. Also full publicity should be given to the success of members of the Section as a means of gaining recognition for the Section and adding to its prestige. Full emphasis should likewise be given to increased recognition for Student Branches at schools and universities with the objective of having them recognized by the public as a part of the Section's interests.

ROBERT E. MORRIS, *Chairman*—Allis-Chalmers Mfg. Co.,  
EX 2800  
ROLAND SCHLIE—Rural Electrification Administration  
SPENCER CORK—Naval Research Laboratory  
DEAN MOODY—Allis-Chalmers Manufacturing Co.

As of August 1, 1952, there were 1,143 regular members in the Washington Section. Additional information concerning names of members can be found in the Institute's Year Book which is available free of charge upon request to Institute headquarters.

## COMMITTEES

### TECHNICAL PROGRAMS

The function of the Technical Program Committee is to make all arrangements, for group discussions of technical subjects to be conducted on a more detailed basis than desirable in general meetings.

MYRON M. MOORE, *Chairman*—Federal Power Commission  
EX. 0100, Ext. 277

#### Sub-Committee on Basic Sciences

IRVIN L. COOTER, *Chairman*—National Bureau of Standards  
OR. 4040, Ext. 282  
MERRILL DISTAD—National Bureau of Standards  
J. A. OSBORN—Office of Naval Research  
D. G. SCORGIE—Naval Research Laboratory

#### Sub-Committee on Nucleonics

JULES H. SRAB, *Chairman*—U. S. Air Force  
LI. 5-6700, Ext. 66, 956  
GEORGE ABRAHAM—Naval Research Laboratory  
JOHN A. DERRY—Atomic Energy Commission  
THEODORE ROCKWELL, III—Department of Navy

#### Sub-Committee on Communications, Instrumentation and Electronics

WILLIAM L. FREIENMUTH, *Chairman*—Vitro Corporation of  
America—SL 7200, Ext. 82  
FRANK H. FERGUSON—Naval Research Laboratory  
BRADFORD K. HAWES, III—National Bureau of Standards  
ROBERT B. KNOWLES—Naval Ordnance Laboratory  
THOMAS M. ROBERTSON—Vitro Corporation of America  
WHITNEY MATTHEWS—Naval Research Laboratory

#### Sub-Committee on Power

J. E. GUIDRY, *Chairman*—Department of the Interior  
RE. 1820, Ext. 3605  
FRANK W. CARROLL—Rural Electrification Administration  
ALLEN O. WHITE—General Electric Company  
COURTLAND S. RANDALL—Potomac Electric Power Company  
STANLEY E. JAROSH—Westinghouse Electric Corporation  
DEAN D. MOODY—Allis-Chalmers Manufacturing Co.

## COMMITTEES

### TRANSFERS

*The purpose of this Committee is to periodically review all the membership of the Washington Section as to grade and to take necessary steps to obtain for each member the grade in the Institute his experience and attainments in the profession entitle him to.*

DORSEY F. HUGHES, *Chairman*—Potomac Electric Power Company—NA. 8800, Ext. 559  
JAMES D. BYRD, JR.—Naval Ordnance Laboratory  
KARL E. CLOUGH—Times Facsimile Corporation  
FRED E. EVERETT—Westinghouse Electric Corporation  
ROBERT M. SIME—Chesapeake and Potomac Telephone Co.  
L. O. STEGER—Potomac Electric Power Company

### AWARDS

*The purpose of this committee is to encourage members of the Washington Section to write and present more and better technical papers in the field of Electrical Engineering. To accomplish this, the committee establishes rules for a prize paper contest, has included a fund in the current budget for prizes, and promotes the contest.*

E. L. BRANCATO, *Chairman*—Naval Research Laboratory  
JO. 3-6600, Ext. 359  
J. S. ANTEL—Naval Ordnance Laboratory  
JOHN CYBULSKI—Naval Research Laboratory  
W. A. GEYGER, DR.—Naval Ordnance Laboratory  
J. GRIGG—Dept. of Navy, Bureau of Ships  
GLEN L. MCKINLEY—Chesapeake and Potomac Telephone Co.  
JOHN H. PARK—National Bureau of Standards

### CIVIL DEFENSE

*The purpose of this committee is to coordinate and direct the A.I.E.E. participation in the Civil Defense program.*

GLENN L. MCKINLEY, *Chairman*—Chesapeake and Potomac Telephone Co., ME. 9900, Ext. 8469

## COMMITTEES

### MEMBERSHIP

*The Membership Committee is charged with the responsibility of bringing the advantages of membership to the attention of persons having the standing and qualifications specified for the various grades of membership in the institute.*

FRANK E. MARTIN, *Chairman*—Naval Research Laboratory  
JO. 3-4745  
L. B. SPONHOLTZ, *Vice-Chairman*—Westinghouse Electric Corporation  
J. S. ANTEL—Naval Ordnance Laboratory  
GEORGE W. COOK—David Taylor Model Basin  
C. D. FRIDAY—Bureau of Yards and Docks, Navy Department  
BERNARD D. GILBERT—Naval Ordnance Laboratory  
WILLIAM D. HIBBARD, JR.—Naval Ordnance Laboratory  
L. J. HODGINS—University of Maryland  
T. M. HUNTER—Potomac Electric Power Company  
MARTIN G. LANE—Post Electrical Engineer, Fort Belvoir  
GRAHAM L. LEHMAN—David Taylor Model Basin  
J. HAROLD LINK—Bureau of Ships, Navy Department  
J. C. MICHALOWICZ—Catholic University of America  
W. C. MORRIS—Rural Electrification Administration  
JOHN P. O'CONNOR—Naval Research Laboratory  
JOHN A. ROBERTSON—Chesapeake and Potomac Telephone Co.  
A. WALTER SCHMIDT—Bureau of Reclamation  
J. V. SEAVER—Westinghouse Electric Corporation  
OTTOS E. SPOKAS—National Bureau of Standards  
R. N. TOMB—General Electric Company  
D. C. VAUGHAN—Potomac Electric Power Company  
COL. ERNEST R. WELCH—Howard University  
E. L. BRANCATO—Naval Research Laboratory  
LOUIS ZANOFF—Federal Power Commission



## COMMITTEES

### ATTENDANCE AND SOCIABILITY

*The purposes of this committee are to promote attendance at the meetings and to stimulate good will and friendliness among the members and guests of this organization. Among other duties, they are responsible (when authorized) to arrange for refreshments following monthly meetings.*

RALPH A. IRWIN, *Chairman*—Westinghouse Electric Corporation  
NA. 8843

R. E. HOFMAN—Potomac Electric Power Company

H. R. HILL—Westinghouse Electric Corporation

EDWARD E. GOODRICH—Chesapeake and Potomac Telephone Co.

L. A. DUNSTAN—Federal Power Commission

R. W. SCHLIE—Rural Electrification Administration

A. D. MARSTON—Potomac Electric Power Company

F. R. WOODZELL—Potomac Electric Power Company

### STUDENT ACTIVITIES

*The purpose of this committee is to promote and stimulate A.I.E.E. Student Branch activities in schools and universities located within the territory of the Washington Section and to emphasize cooperation between the Student Branches and the Washington Section.*

DAVID S. BENDER, *Chairman*—Bell Telephone Laboratories, Inc.  
ME. 9900, Ext. 8332

HERBERT W. McKEE, *Vice-Chairman*—Naval Ordnance Laboratory

#### Student Branch Advisers

PROF. JOSEPH C. MICHALOWICZ—Catholic University of America

PROF. NORMAN B. AMES—George Washington University

PROF. ERNEST R. WELCH—Howard University

PROF. LAWRENCE J. HODGINS—University of Maryland

COURTLAND S. RANDALL—Potomac Electric Power Company

FRANCIS L. HERMACH—National Bureau of Standards

*The Student membership of the Washington Section as of May 1, 1952, totaled 213.*

## COMMITTEES

### EDUCATION

*This committee is responsible for handling all Section matters pertaining to the engineering manpower shortage. As such its duties are to endeavor to increase the enrollment in the science and mathematic classes in the area high schools. In addition this committee shall use every means possible to interest high school students to select Engineering as a career.*

D. C. VAUGHAN, *Chairman*—Potomac Electric Power Company  
NA. 8800, Ext. 236

F. B. CRIDER—General Electric Company

WILLIAM H. FIFER—Bureau of Ships, Navy Department

BRADFORD K. HAWES—National Bureau of Standards

DORSEY F. HUGHES—Potomac Electric Power Company

RALPH A. IRWIN—Westinghouse Electric Company

FRANK E. MARTIN—Naval Research Laboratory

JOSEPH C. MICHALOWICZ—Catholic University

COURTLAND S. RANDALL—Potomac Electric Power Company

J. PHILIP SCHAEFER—Potomac Electric Power Company

G. R. WILHELM—Bell Telephone Laboratories

F. W. WILLCUTT—Potomac Electric Power Company

### HISTORY AND RECORDS

*The purpose of this Committee is to currently maintain a history of the Section and a system of files and records pertaining to the Section and its operation.*

HENRY H. THOMPSON, *Chairman*—Westinghouse Electric Corporation—NA. 8843

WILLIAM H. BLAIR—Potomac Electric Power Company

FRANK S. WALTERS—Potomac Electric Power Company

### PERSONNEL ACTIVITIES

*The duty of this committee is to maintain a record of the various district and national offices or appointments held by members of this section and also to promote section members for such offices.*

CLIFFORD W. SCHMITZ, JR., *Chairman*—Potomac Electric Power Company—NA. 8800, Ext. 511

O. RICHARD HAMILTON—Potomac Electric Power Company

ALAN D. MARSTON—Potomac Electric Power Company



## DELEGATES TO THE D. C. COUNCIL

The Council was formed on April 17, 1936, by fourteen leading technical organizations of Washington, D. C. for the purpose of enabling "the architectural, engineering and allied technical organizations in the District of Columbia to render a more effective public service and to contribute to the advancement of these professions." Each organization elects two delegates and two alternates to represent it on Council.

DIXON LEWIS

Delegate  
of America

JOSEPH E. O'BRIEN

Alternate  
Rural Electrification Admin.

DANIEL C. VAUGHAN

Delegate  
Potomac Electric Power Co.

GEORGE R. WILHELM

Alternate  
Chesapeake and Potomac  
Telephone Company

## WASHINGTON SECTION — A. I. E. E.

### EXPENSE RECORD

#### YEAR 1951-1952

|   |                   |
|---|-------------------|
| Printing and Mailing Expense (Monthly Notices)..... | \$1,365.57        |
| Postage .....                                       | 27.64             |
| Speakers Expenses .....                             | 66.96             |
| Dinners and Refreshments (Ladies Night, etc.).....  | 867.45            |
| Awards Committee .....                              | 52.50             |
| D. C. Council Dues.....                             | 10.00             |
| Safe Deposit Box Rental.....                        | 6.00              |
| Bank Service Charges.....                           | 10.00             |
| Student Activities Expense.....                     | 4.68              |
| Watch Charms (Past Chairman).....                   | 21.19             |
| Hall Rental .....                                   | 22.00             |
| Secretarial Service .....                           | 20.00             |
| Kensington Players (Ladies Night).....              | 41.60             |
| Membership Committee .....                          | 13.49             |
| Photographs .....                                   | 5.00              |
| Meetings and Papers Committee.....                  | 6.00              |
| Membership Plaque Award.....                        | 25.74             |
| Secretarial Supplies .....                          | 2.30              |
| <b>TOTAL .....</b>                                  | <b>\$2,568.22</b> |