

**LYNN SUB-SECTION**  
**THE INSTITUTE OF**  
**ELECTRICAL and ELECTRONIC**  
**ENGINEERS**  
**ANNUAL REPORT**  
**1962 - 1963**

**CHAIRMAN'S REPORT**

The 1962-1963 season may be termed the "Season of the Merger". As of January 1, 1963, the American Institute of Electrical Engineers (AIEE) and the Institute of Radio Engineers (IRE) officially merged to form the Institute of Electrical and Electronic Engineers (IEEE). As a result, the Lynn Section AIEE became the Lynn-Subsection of the Boston Section IEEE, thus ending the section status of Lynn which had existed for more than half a century.

The decision to become a Sub-section of Boston rather than maintain section status was decided by unanimous vote of the Executive Committee after intensive investigation showed that the best interests of the membership could be served by becoming a Sub-section of Boston.

The Lynn Sub-section will enjoy a membership of approximately 500 and will include the following towns and cities all located in Essex County: Beverly, Danvers, Lynn, Lynnfield, Marblehead, Nahant, Peabody, Salem, Saugus, and Swampscott.

New By-Laws for the Lynn Sub-section are nearing completion and will be presented to the membership for a vote at the first meeting of the coming season.

A regrettable note is that as a result of a National IEEE Headquarters ruling, the Popular Lecture Series can no longer be presented.

I wish to thank all officers and committee members for their dual effort required to bring the merger to a successful completion as well as for providing a most successful and enjoyable program. I would also like to thank all officers and committee members who in the past half-century-plus have given their dedicated service for the successful operation of the Lynn Section AIEE.

Respectively submitted  
CHARLES L. TOOMEY, CHAIRMAN

**REPORT OF THE PROGRAM COMMITTEE**

During the past season the Lynn Sub-section held a total of 17 meetings, including 5 Popular Lectures, 8 Technical Meetings, 3 Inspection Trips and the Annual Institute Members Dinner Meeting.

The Popular Lectures, held at the Lynn City Hall Auditorium, included:

"AMAZON TO ANDES", Athens and the Aegean Isles  
"ARIZONA — OUR GREAT SOUTHWEST"  
"GERMANY AND WEST BERLIN"  
"MEXICO — ON THE TRAIL OF CORTEZ"

The Technical Meetings included such topics as "CURRENT WORK WITH LAZERS", "BELL SYSTEM COMMUNICATION SYSTEMS — PRESENT AND FUTURE", "SPACE-AGE RADIO ASTRONOMY", "MATHEMATICAL CONCEPTS OF ELECTRICAL ENGINEERING" and "STATUS REPORT ON FUEL CELLS", as well as three Forum Meetings devoted to discussions of current interest, electrical engineering topics presented by members of the Sub-section. Dinner Meetings were held for the first two above listed topics and were well attended. Coffee and doughnuts were served at all the remaining Technical Meetings.

Inspection Trips were held at RADIO TELESCOPE at Natick, SAGE EXPERIMENTAL COMPUTER at the MITRE CORPORATION plant in Bedford and WESTERN ELECTRIC COMPANY plant in North Andover.

The season's activities were concluded with the Institute Members Meeting held at the HOTEL HAWTHORNE, Salem, where following dinner and the election of officers, Mr. T. E. Johnson of M.I.T. presented a talk on "SKETCH PAD III — A COMPUTER PROGRAM FOR DESIGN DRAFTING IN THREE DIMENSIONS".

K. O. STRANEY — PROGRAM CHAIRMAN  
1962-1963

### REPORT OF THE TREASURER

Cash Balance as of May 14, 1962		\$2,267.12
Income:		
Dividends and Interest	\$ 288.62	
Local Sponsor Sales	2,832.75	
National Appropriation	761.00	
Sub-section Special Activities Account	798.50	
Ticket Sales — National Members' Meeting	6.30	
Distribution of District 12 Funds	139.15	
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Total Income		4,826.32
Total Income and 1962 Balances		<hr/> \$7,093.44
Expenses:		
Administrative:		
Secretary	33.30	
Treasurer	245.15	
National and District AIEE	00.00	
United Building Fund	100.00	
ESNE	82.27	
Fellowship Committee	52.07	
Institute Affairs Committee	4.36	
Junior Achievement	81.50	
Membership Committee	25.64	
Arrangements, Popular Program	800.00	
Popular Program	1,084.97	
Special Meeting	50.00	
Professional Development Committee	00.00	
Public Relations Committee	642.55	
Merrimack Valley Sub-section		
Operating Fund	375.00	
1961-62 Deficit	53.12	
Special Activities Account	798.50	

Technical Meetings	102.48
Inspection Trips	00.00
Trustees	18.63
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Total Administrative and Activities Expenses	4,549.59
Cash Balance — June 25, 1963	<hr/> \$2,543.85

D. B. PEARSON, TREASURER

### REPORT OF THE MERRIMACK VALLEY SUBSECTION

Plans to form the Merrimack Valley Sub-section of the Lynn Section of the American Institute of Electrical Engineers were started in March of 1956. The election of officers was announced in June of 1956. Initially there were approximately 45 members. A gradual growth has resulted in approximately 100 institute members and 30 student members.

The formation and successful continuation of this Sub-section has been in the hands of the following:

1956-57	R. W. Allen, Sr.
1957-58	F. R. Stansel
1958-59	C. E. Chapman
1959-60	R. E. Sherman
1960-61	R. L. Case
1961-62	R. A. Manning
1962-63	H. T. Watkinson

As of January 1, 1963 the American Institute of Electrical Engineers (AIEE) merged with the Institute of Radio Engineers (IRE) and became the Institute of Electrical and Electronic Engineers (IEEE). As a result of many meetings with Merrimack Valley Sub-section - IRE, Boston Section - IRE, Boston Section - AIEE, Lynn Section - AIEE and our Sub-section officers and membership, it has been agreed to merge with the Merrimack Valley Sub-section - IRE and become the Merrimack Valley Sub-section of the Boston Section - IEEE. The Sub-section will have approximately 600 institute members and 100 student members.

During the past season joint meetings with the IRE were continued. The program consisted of eight meetings, seven of which were joint. The subjects were:

- "THE S.E.E.C. — UNDERGRADUATE LEVEL EDUCATIONAL PROGRAM IN SEMI-CONDUCTOR ELECTRONICS"
- "OPERATION OF THE YANKEE ATOMIC PLANT"
- "WELDED ELECTRONIC PACKAGING FOR POLARIS"
- "EXOTIC MEASUREMENTS OF THE FUTURE"
- "HOT ELECTRONIC TRANSISTORS"
- "SUPER CONDUCTING MAGNETS"
- "ELECTRONIC SWITCHING"
- "1963 RADIO AND TELEVISION INTERFERENCE PROBLEMS"

A Student Activities Chairman was appointed to work with the Student Counsellor. Between them another successful Student Paper Competition was held at Merrimack College. Prizes were awarded as follows: first, James Nangle; second (tie), Thomas Bonica and David McCabe; and third, Richard Roy.

## REPORT OF THE MERRIMACK VALLEY SUBSECTION

### Continued

As we come to the close of another season and the last as the Merrimack Valley Sub-section -- AIEE I would like:

To thank the Lynn Section -- AIEE for the help and support given us since our start as a Sub-section.

To thank all the officers, the committees, the judges, and all other individuals who helped in the various activities;

To wish the new officers much success in the coming year as a merged group;

To thank all the members for the opportunity to have served as your chairman.

Respectively submitted

H. T. WATKINSON, CHAIRMAN

## REPORT OF THE MEMBERSHIP COMMITTEE

To encourage new national memberships, committee members were located in the several areas served by the Lynn Section. Several application blanks have been given out on request but none of these have found their way to completed membership. Lynn Section membership stands at approximately 310.

The Popular Lecture series sold 1027 season tickets. This is a small reduction (2%) from last year's number. The addition of one more program as well as a \$0.25 price increase does not appear to have altered subscriptions to the series. The drop in number sold is probably due to the increasing difficulty of keeping contact addresses up to date.

I would like to express my thanks to all those who assisted with membership committee work during the past year.

E. D. ORTH, CHAIRMAN, MEMBERSHIP

## EXECUTIVE COMMITTEE 1962-1963

### OFFICERS

C. L. TOOMEY, Chairman

D. R. HYER, Secretary

K. O. STRANEY, Vice Chairman

D. B. PEARSON, Treasurer

L. M. DOMERATZKY, Past Chairman

H. T. WATKINSON, Chairman, Merrimack  
Valley Sub-section

### COMMITTEE CHAIRMEN

E. D. ORTH, Membership

H. G. SCHIFF, Technical Meetings

E. A. BOULTER, Public Relations

D. J. HERDER, Professional Development

R. F. GRADY, Fellowship and Attendance