

HISTORY

LEHIGH VALLEY SECTION  
AMERICAN INSTITUTE OF  
ELECTRICAL ENGINEERS



1921-1955

## FOREWORD

The Lehigh Valley Section is proud of its place in the history and development of the American Institute of Electrical Engineers. The territory is a heavily industrialized and mining area using large blocks of electrical energy, which require all phases of electrical engineering. This diversity of interest and the large number of engineers involved has contributed greatly to our success.

Through the efforts and interests of its members over the years the section has developed to become established as one of the more progressive sections in the institute. The present members are carrying on the same plans for greatly expanding its activities.

The officers and members of the Lehigh Valley Section are grateful to Floid Fuller, a charter member, who devoted many hours of research to develop this History of the Section.

D. L. Greene  
Section Chairman

1/18/55

HISTORY  
OF  
LEHIGH VALLEY SECTION  
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
1921 - 1955

Compiled By  
HISTORICAL COMMITTEES

1952 - 1953

Chairman - F. M. Fuller, Bethlehem  
D. M. Petty, Bethlehem  
J. S. Wise, Jr., Allentown  
A. H. S. Cantlin, Allentown

1953 - 1954

Chairman - F. M. Fuller, Bethlehem  
J. S. Wise, Jr., Allentown  
D. M. Petty, Bethlehem  
J. L. Beaver, Bethlehem  
J. G. Charest, Hazleton

1954 - 1955

Chairman - F. M. Fuller, Bethlehem  
D. M. Petty, Bethlehem  
J. L. Beaver, Bethlehem  
P. H. Fett, Reading  
L. Z. Ludorf, Kingston

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## PREFACE

The old records of the Lehigh Valley Section which have accumulated since 1921 have been kept in paper cartons and have been transferred from one Secretary to the next. At the present time these records have become so voluminous that a station wagon should be used to transport them. Some of the early records are not complete and it has been necessary to obtain data from early members or from other sources.

The Historical Committee has worked on this project for several years. In fact way back on June 30, 1936 a committee consisting of F. M. Fuller, Chairman; H. D. Baldwin, L. J. Conover, S. S. Seyfert and G. H. Schaffer was appointed to study the "History of Engineers and Engineering of Lehigh Valley." The draft of the history has been reviewed by John S. Wise, Jr., D. M. Petty, A. H. Cantlin and G. W. Brooks. They and others have given generously of their knowledge of the past of the Section. The Committee also wishes to thank Mrs. I. D. Hooks at AIEE headquarters for obtaining valuable information from the old records in New York.

It is the hope of this Committee that this history will include in one publication much of the important background of the Section and many interesting incidents pertinent to its start and growth.

## PRE-ORGANIZATION PERIOD

Charles F. Scott, President of the American Institute of Electrical Engineers in 1902-03, in his inaugural address on the afternoon of September 26, 1902 spoke in favor of local institute organizations. Early in 1903, due to the efforts of Dr. Carl Hering, Mr. J. Franklin Stevens and Mr. Henry F. Sanville the Philadelphia Section or Branch was organized. The "area" of this newly formed Branch was Philadelphia-Camden and it had 66 AIEE members listed in the proceedings.

For 18 years prior to the formation of the Lehigh Valley Section, fellows, members and associates living in the Lehigh Valley were included in the Philadelphia Section. It is questionable if many attended meetings or took an active part in the Philadelphia section as at that time travel to and from Philadelphia was limited, for all practical purposes, to travel by railroad and an interurban electric line.

It is of interest to note that Student Branches had been started and were operating at Lehigh University, Bucknell University and Lafayette College prior to the formation of the Lehigh Valley Section.

## THE ORGANIZERS

The period during and immediately after World War I witnessed a tremendous industrial growth in the Lehigh Valley. Many electrical engineers were associated with the recently organized electric public utilities and the local steel producing and fabricating companies as well as the cement and coal mining companies. Members of the electrical engineering departments of the colleges in the Lehigh Valley also included engineers who were members of the American Institute of Electrical Engineers.

According to Dr. J. L. Beaver, the chief instigators of the Lehigh Valley Branch (later called a Section) were L. C. Brooks, L. R. Woodhull, D. M. Petty and himself.

Mr. L. C. Brooks, who became the first Chairman of the Lehigh Valley Section, was Electrical Engineer for the Bethlehem Ship Building Company with offices, at that time, in South Bethlehem. Prof. Beaver says he was the best Chairman the Section ever had. To him is credited our system of committees for doing most of the work of the Section. Prof. Beaver further says Mr. Brooks was enthusiastic about the section and always gave credit to the committees for their work. Transferred away from Bethlehem, Mr. Brooks had to resign the Chairmanship before his term of office expired.



Prof. J. L. Beaver was on the staff of the Electrical Engineering Department at Lehigh University. In 1921 he received a MS from Lehigh and in 1932 a ScD from Harvard University. He started at Lehigh University as an Assistant Professor, advanced to Associate Professor, and then became a full Professor. When Dr. Stanley Seyfert died he was made Acting Head of the Electrical Engineering Department. Active in Student Branch AIEE activities, and interested in the Institute for many years he became an associate member in 1914 and a member in 1918. At present he is visiting Prof. of E. E. at North Carolina College, Raleigh, N. C. for one semester yearly, the balance of the time enjoying his retirement near Phoenixville, Pa.

Mr. D. M. Petty was Electrical Superintendent for the Bethlehem Steel Company. He became an Associate member in 1910 and a member in 1917, and was Chairman of the Section in 1922-23. At present Mr. Petty is in the railroad business being President of the PB&NE Railroad and several others that are subsidiaries of the Bethlehem Steel Company.

Mr. L. R. Woodhull was an Electrical Engineer in the Mining Department of the Bethlehem Steel Company and was a resident of Bethlehem. He became an Associate Member of the Institute in 1907 and is now the second oldest member living in the Lehigh Valley Section area listed in the last year-book of the Institute.

## FOUNDING THE LEHIGH VALLEY SECTION

Sometime prior to 1921 some members of the AIEE living in the Bethlehem-Allentown-Easton area discussed among themselves the desirability of having a Lehigh Valley Section, but it was not until February 8, 1921 that Messrs. L. C. Brooks and J. L. Beaver wrote a joint letter to a number of electrical engineers in the Allentown-Bethlehem-Easton area with return addressed Postal Cards suggesting the organization of an Institute Section in this area. This letter gave as reasons for forming the local section (1) "With two Student Branches in this District, one at Lehigh and one at Lafayette, and with activity in the general engineering membership, it is believed that we would obtain material benefit to ourselves as well as assistance to others by forming a unit and cooperating with the student branches and the Engineers Club\*" (2) "One of the pleasures of life is our ability to help one another, and as the students of today will be the men of affairs tomorrow the more we can do to improve their student branch and otherwise assist them toward knowledge of outside things, the more we have fulfilled our mission.(3) We can better do this through organization, than individual effort."

There are in the files return cards to Mr. Brooks from Irving Samuel (died 1946), who had just established the Automatic Devices Company, Allentown and Moreland King, Associate Professor of Electrical Engineering, Lafayette College. Many others must have also returned their cards with favorable replies, but these two are the only ones remaining in the old files.

\* This refers to the Engineers' Club of the Lehigh Valley which had been recently organized.

The Lehigh Valley Section had its real beginning on the evening of March 10, 1921 although it was nearly two months later that the section was formally authorized by the Board of Directors of the American Institute of Electrical Engineers. The Easton Express of March 11, 1921 reported, "Electrical Engineers of the Lehigh Valley held a meeting last night at the Kurtz Restaurant,\* Bethlehem for the purpose of organizing a section of the American Institute of Electrical Engineers. L. C. Brooks of the Bethlehem Ship Building Corporation was chosen temporary Chairman and H. G. Harvey of the Pennsylvania Utilities Company,\*\* was chosen Secretary and Treasurer."

"The following Committee was appointed to draft a constitution and nominate permanent officers: D. M. Petty, of the Bethlehem Steel Company; W. W. Perry, of the Pennsylvania Utilities Company\*\*; C. S. Young of the Pennsylvania Power & Light Company, Allentown."

\* Kurtz Restaurant was located in what is now (1955) the Boyd Theatre Building on West Broad Street, Bethlehem.

\*\* This company was located at Easton. It was later consolidated with the Metropolitan Edison Company.

At this meeting twenty-eight (28) Institute Members out of the thirty-four (34) persons present signed an application for the formation of the new section. Under date of March 11, 1921 this application was forwarded to Mr. F. L. Hutchinson, Secretary, American Institute of Electrical Engineers at New York. A copy of this application, now in the files of the Institute follows:



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
33 West 39th Street, New York City

Bethlehem, Pa.  
March 10, 1921

To Board of Directors  
American Institute of Electrical Engineers  
33 West 39th Street, New York

Sirs:

We, the undersigned Fellows, Members and Associates of the American Institute of Electrical Engineers, residing in Lehigh Valley and its immediate vicinity, are desirous of organizing a Section and respectfully request the necessary authorization to establish such section. Lehigh Valley Section - to include Phillipsburg, New Jersey; Easton, Bethlehem, Allentown, Reading, Hazleton, Palmerton, etc.

*L.C.Brooks	Bethlehem, Pa. & Bethlehem Shipbuilding Corporation, Ltd.
W.H.Haines	Same as above.
B.L.Clark	" " "
B.J.Sturtevant	" " "
H.F.Bergstresser	" " "
*W.Esty	Lehigh University, Bethlehem, Pa.
*F.S.Smith	Penn. Power & Light Co., Allentown, Pa.
H.G.Harvey	Penn. Utilities Co., Easton, Pa.
*I.Samuels	Hunsicker Bldg., Allentown, Pa.
D.M.Petty	Bethlehem Steel Co.

Wm.H.Googins	Lehigh Valley Transit Co., Allentown, Pa.
C.S.Young	Penn.Power & Light Co., Allentown, Pa.
*N.G.Reinicker	Same as above.
L.R.Woodhull	1618 W. Worth St., Bethlehem, Pa.
J.L.Beaver	Electric Engineering Dept., Lehigh University Bethlehem, Pa.
M.King	Electric Engineering Dept., Lafayette College, Easton, Pa.
C.H.Cooley	642 Hamilton Ave., Bethlehem, Pa.
A.G.Birdsall	649 Highland Ave., Bethlehem, Pa.
W.S.Bourlier	131 Wall St., Bethlehem, Pa.
H.Sugden	527 Avenue L., Bethlehem, Pa.
I.W.Nye	Nazareth, Pa.
W.W.Perry	33 N. 9th At., Easton, Pa.
*A.J.Standing	728 Avenue H., Bethlehem, Pa.
N.J.Bressler	2038 Ealer Ave., Easton, Pa.
*C.Hodge	802 Hamilton St., Allentown, Pa.
G.W.Brooks	Same as above.
F.G.Perley	International Motor Co., Allentown, Pa.
E.H.Tyson	Penn. Power & Light Co., Allentown, Pa.

\* Deceased.



The meeting at the Kurtz Restaurant was followed later in the evening by a session at Drown Hall, Lehigh University, under the auspices of the Student Branch of the American Institute of Electrical Engineers of Lehigh University. Mr. J. Murray, head of the Government Commission appointed to make the super-power survey, made an address. The meeting was attended by over 300 students, members, and guests.

On May 4, 1921 Mr. F. L. Hutchinson, Secretary of the Institute advised Mr. L. C. Brooks that the petition of the Lehigh Valley members of the Institute for authority to organize a Lehigh Valley Section was considered at a meeting of the Board of Directors held in Pittsburgh on April 16, 1921. The Secretary of the Institute further advised that the desired authority to organize a Lehigh Valley Section was granted contingent upon agreement regarding territory. At that time the usual rule was that a Section should extend sixty miles from the meeting place. This rule resulted in a conflict of the areas of the proposed new Section with the areas of the New York Section and the Philadelphia Section.

The original suggested allocation of territory to be assigned to the Lehigh Valley Section was Lehigh and Berks Counties in Pennsylvania; and Warren and Hunterdon Counties in New Jersey, Bucks, Montgomery and Chester Counties and a portion of Lancaster County were to be assigned to the Philadelphia Section

It is interesting to note that no mention at all was made of including Northampton County in the new Section except that "the Lehigh Valley Section was to include in all other respects all territory within a sixty mile radius from Bethlehem." On this mileage basis Hazleton, Reading, and Stroudsburg were included, but Wilkes Barre and Scranton were excluded.

The Philadelphia Section upon hearing of the application of the proposed Lehigh Valley Section advised the Secretary of the Institute that they did not believe the formation of this new section was justified. They later modified their attitude and notified the Secretary that they would not oppose the new Lehigh Valley Section PROVIDED that the cities of Phillipsburg, Bethlehem, Allentown and Reading remain in the Philadelphia Section. It is not a mistake or an omission on the part of your historian that Easton is not included in this list of cities as no mention of Easton was made in this objection. In fact Easton and Northampton County just did not exist as far as the new Lehigh Valley Section was concerned at this stage of its organization.

The suggestion was made by Mr. Ross B. Mateer, Secretary of the Philadelphia Section, that the new Section embrace all territory north of the Blue Mountains and west of the Delaware River with Wilkes Barre or Scranton as the center. One of the arguments presented by Philadelphia for retaining Bethlehem, Allentown and Reading (here again Easton is not mentioned) as part of their section was that they were adjacent

to the largest municipal center - Philadelphia - and to which center there is easy access both by steam and electric routes.

As a counter argument to the last statement by the Secretary of the Philadelphia Section, Mr. L. C. Brooks, temporary secretary of the Lehigh Valley Section, wrote the Secretary of the Institute that Philadelphia was entirely in error. "The average meeting in Philadelphia starts at eight o'clock and closes at about eleven. Trolley service to Bethlehem at that time of night does not exist. We could leave the meeting at about 10:30 and get the eleven o'clock car for Allentown, but we could not get to Bethlehem. For a resident of Bethlehem to attend a Philadelphia meeting he must leave his work in time to catch the 4:30 train, he must stay all night in Philadelphia, be under the expense of dinner and breakfast and by getting up at six o'clock can get back to Bethlehem at 9:30 the next morning. The total loss of time from his work is at least three hours and an expense of not less than \$12. The result is that we don't go, at least most of us, unless it be a meeting of special importance." It is interesting to note that the use of an automobile for a trip to Philadelphia did not seem to be considered in 1921. This may have been due to the roads and automobiles in use at that time as the auto trip to Philadelphia usually took around three hours.

As the result of some diplomatic action by and between Messrs. H. G. Harvey, L. C. Brooks, D. M. Petty and Prof. Beaver of Bethlehem and Messrs. W. F. James, C. E. Bonine



and R. B. Mateer, the latter two, Chairman and Secretary respectively of the Philadelphia Section, that Section under date of April 30, 1921 formally withdrew their protest to the formation of the Lehigh Valley Section.

Under date of May 4, 1921 Mr. F. L. Hutchinson, Secretary of the Institute notified Mr. L. C. Brooks that the Board of Directors (of the AIEE) had authorized the organization of the LEHIGH VALLEY SECTION.

The description of the territory originally assigned to the Lehigh Valley Section according to a letter dated May 11, 1921 from Mr. F. L. Hutchinson, Secretary of the Institute, were the entire counties of

In Pennsylvania

Lehigh  
Schuylkill  
Carbon  
Northampton  
Monroe  
Pike  
Lackawanna  
Luzerne

In New Jersey

Hunterdon  
Warren

This letter further states, "This territorial description includes every town of any importance that is readily accessible to Bethlehem."

## EARLY MEETINGS

The first meeting of the newly chartered Lehigh Valley Section of the AIEE was held on May 8, 1921. There was a \$1.50 dinner at Seip's at Easton attended by 60 electrical engineers, followed by a meeting at the Easton Public Library attended by over one hundred (100). The officers of the newly formed Section elected at this meeting were: Mr. L. C. Brooks of the Bethlehem Ship Building Corporation, Chairman and Mr. H. G. Harvey of the Pennsylvania Utilities Company, Secretary. The Executive Committee elected was: Professor M. E. King of Lafayette College, Mr. G. W. Brooks of the Pennsylvania Power & Light Company, Allentown and Prof. J. L. Beaver of Lehigh University, Bethlehem. By-laws for the new Section were adopted.

At this meeting a film "A Romance of Rails and Power" was shown, and Dr. Wm. McClellan, a noted Consulting Engineer of Philadelphia, gave a talk on "The Broader Outlook of Engineering." The talk must have had quite an effect upon those present because, and your historian quotes; "As a result of Dr. McClellan's plea Mr. D. M. Petty, Electrical Superintendent of the Bethlehem Steel Company moved and Mr. W. W. Perry of the Pennsylvania Utilities Company seconded a motion which was unanimously carried, instructing the newly formed organization to inform the various city, borough and county authorities in the territory covered by the Section that at a request from them competent engineers would be appointed to render assistance in engineering problems and particularly those in the electrical fields, without charge for such services."



# AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

THIS CERTIFIES THAT THE

Second Place Section Growth Award

for the year 1954

for Sections of more-than-average Membership  
has been awarded to

The Lehigh Valley Section

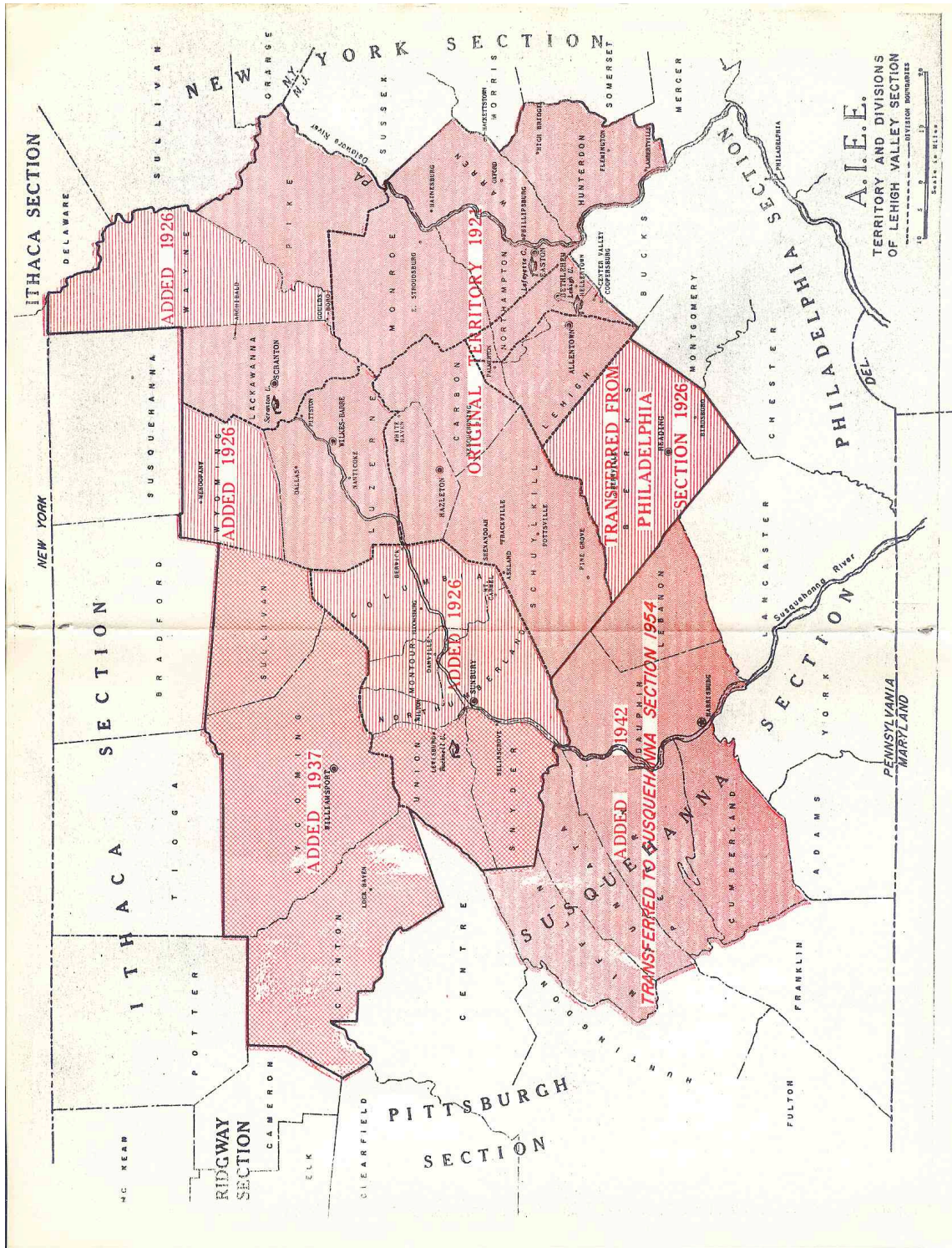
BY THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

DATE June 22, 1954

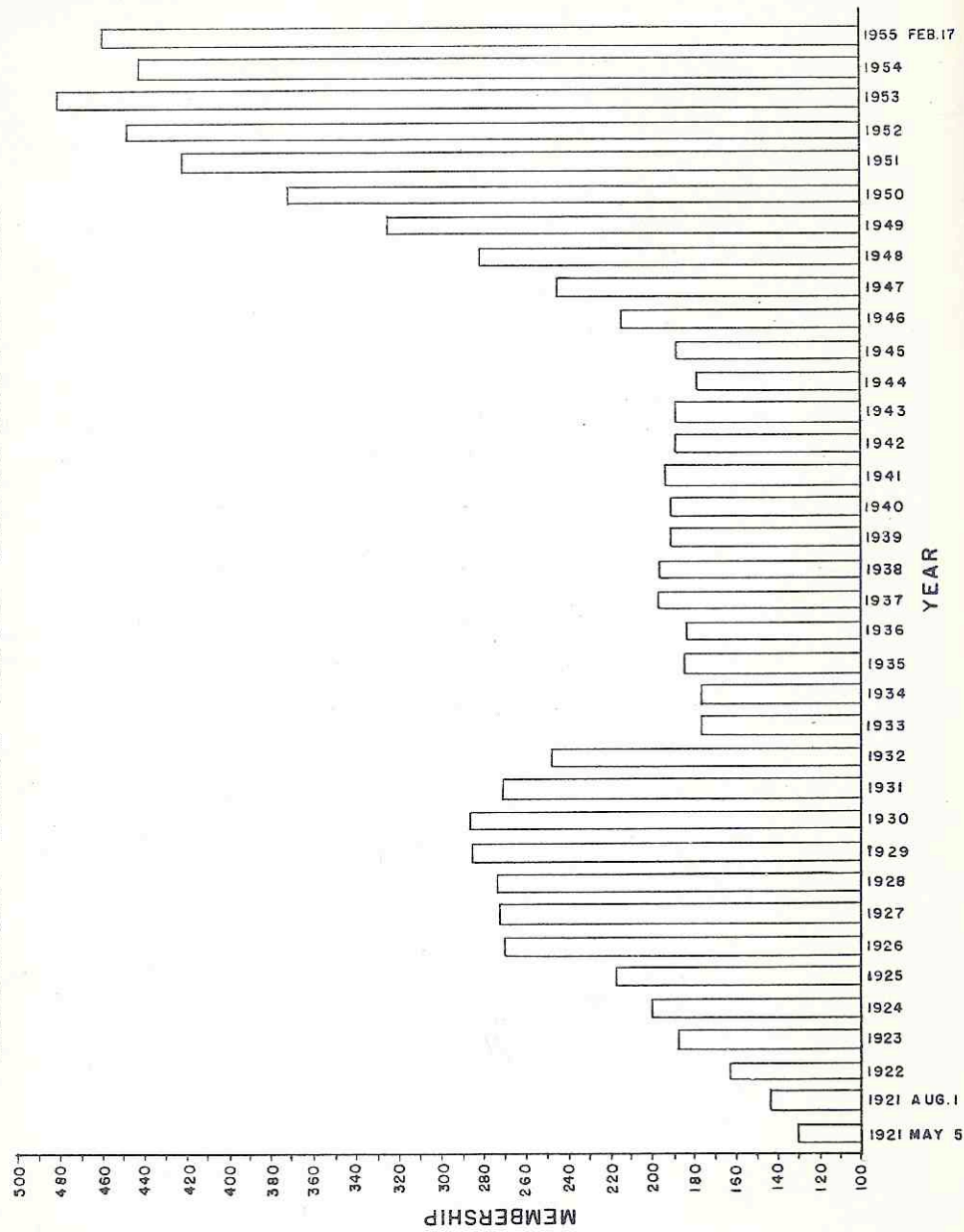


*W. B. Williams*  
PRESIDENT  
*W. B. Williams*  
INSTITUTE SECRETARY





# MEMBERSHIP LEHIGH VALLEY SECTION AIEE 1921-1955





The first meeting of the Executive Committee was held May 23, 1921 at the University Club, Bethlehem. Present were Messrs. L. C. Brooks, H. G. Harvey, J. L. Beaver, G. W. Brooks, and D. M. Petty. At this meeting a motion was made to appoint an Arrangement Committee in each of the four towns where meetings were to be held. (Probably Allentown, Bethlehem, Easton and Nazareth).

Mr. L. C. Brooks, the first Chairman of the newly formed Section served only to September 8, 1921 when he was succeeded by Mr. Charles Hodge, who was elected by the Executive Committee. Mr. Brooks resigned on account of leaving this area.

Meetings were held during the 1921-1922 season as follows:

<u>Date</u>	<u>Place</u>	<u>Chairman of Meeting</u>
September 20, 1921	Allentown	Mr. H. G. Harvey
November 10, 1921	Nazareth	Mr. I. W. Nye
March 9, 1922	Easton	Prof. M. E. King
May 4, 1922	Bethlehem	

The custom of having an inspection trip for the first activity in the fall was started at the beginning of the 1922-1923 season. This first inspection trip was really quite an event. On Friday evening October 20, 1922 there was a \$1.50 dinner at the Elks Home, Wilkes Barre which was attended by 137 members and guests. The dinner was followed by a meeting at which the attendance was 149. At this meeting D. C. Ashmead, Mining Engineer and Editor of Coal Age, talked on Anthracite Mining, and H. M. Warren, Consulting Engineer, on the Application of Electrical Equipment to Mining Work. Both talks were illustrated.

On the following morning, Saturday October 21, 1922 an inspection was made of the new, completely electrified Marvin Breaker of the Hudson Coal Company and the Hampton Plant of the Glen Alden Coal Company. Here was and still is located the largest electrically operated automatic hoist type pumping installation in the anthracite area.

#### FIRST MEETINGS

The first meeting of the Section in Hazleton, "the greatest little city in Pennsylvania" as it said on the notice, was held on April 24-25, 1925. Dinner costing \$2.25 was at the Hotel Altamont. At this meeting Mr. H. S. Savon of the Philadelphia Electric Company gave a talk on Power Factor, and Mr. E. M. Prish, Vice President and General Manager of the Lehigh Telephone Company, talked on Telephone Consolidation. Also at this meeting Mr. Eckley Markle described the automatic substation of the Hazleton and Wilkes Barre Railway\*. The recorded attendance for this meeting was 220.

Reading located in Berks County was transferred from the Philadelphia Section to the Lehigh Valley Section in February 1926. There was no delay in having a meeting there as the First Reading meeting was on March 12, 1926 at the Berkshire Hotel, the price of the dinner being \$1.50. At this

\* This was a high speed electric railway between Wilkes Barre and Hazleton built in 1905 and discontinued in 1932.

meeting Mr. L. W. Morrow, Managing Editor of the Electrical World, and Mr. N. E. Funk, Chief Operating Engineer of the Philadelphia Electric Company, delivered papers on "Power Factor Correction" and "What Diversity Factor and Load Factor Means to a Community," respectively. The attendance at the meeting was 102.

#### MEETINGS AND INSPECTION TRIP - GENERAL

The Lehigh Valley Section as organized covered so much territory that instead of holding all meetings in the same place, (as is the custom in most Sections,) immediately there began the practice of holding meetings at one place or another throughout the territory. In course of time it became the custom to hold the various meetings at certain places during the same month in succeeding years. This method was soon discontinued as it was found that bad weather during the winter months often interfered with travel of those coming from a long distance. Now it is routine to hold the meeting in any District a month later each year. Thus during the course of years the meetings are gradually shifted from one time of year to a later period, therefore each District has its share of bad weather periods.

Since most meetings of the Section are of a technical nature, the attendance is generally less than 100 members and guests. However, if a subject has a popular appeal many times the attendance has exceeded this figure. The largest attended meeting according to the records was at the Hotel Traylor in Allentown on October 14, 1932. It was a joint meeting



with the Engineers' Club of the Lehigh Valley and a total of 650 were present. Dr. Phillip Thomas, a research engineer for Westinghouse gave a lecture entitled "Electrons at Work and at Play."

The largest number going on an inspection trip was 811. This trip on September 30, 1933 was to the Hershey Chocolate Corporation at Hershey and was a joint trip with the Engineers' Club of the Lehigh Valley.

Although the members of the Institute generally take the activities of the Institute, including those of the Sections, seriously, the good fellowship of the members is quite generally considered an asset of the Institute and on occasions serious considerations go with the wind. The annual meeting in Allentown May 21, 1926 was such an occasion. At this meeting in the Elk's Club the members enjoyed professional entertainment and then after a serious talk by S. Q. Hayes, General Engineer for the Westinghouse Electric & Manufacturing Company Mr. Chas. F. Crowder, S.O.L., A.W.O.L., etc. gave a talk on "Super-Superior Remote Control Systems" with illustrations and demonstrations. In anticipation of really learning things about remote control, specialty engineers from several of the large electrical companies came from as far away as Pittsburgh to attend this meeting. They may have been disappointed when the talk started and Charlie threw on the screen an illustration of Rube Goldberg's latest brain child and listened to a very comprehensive description of it. Needless to say a good time was enjoyed by all present and the report to New York listed this as a "Comedy Number."

### JOINT MEETINGS

According to the old records of the Lehigh Valley Section the practice of holding joint meetings with other local societies or clubs having mutual interests started shortly after the new Section was organized. On May 5, 1921 a joint meeting was held in Easton with the Easton Educational Electrical Association.

Since then many joint meetings have been held with the Student Branches of the Institute at Lafayette College, Lehigh University, and Bucknell University, Lehigh University Radio Club, the Lehigh Valley Section of the American Society of Mechanical Engineers, Engineering Society of Northeastern Pennsylvania, American Institute of Mining & Metallurgical Engineers, Wilkes Barre Chamber of Commerce, the Illuminating Engineering Society and the Engineers Club of the Lehigh Valley.

Joint activities also extended to Inspection Trips. In addition to those previously mentioned on August 21, 1926 a joint inspection trip was made to the hydro-electric development of the Pennsylvania Power & Light Company at Lake Wallenpaupack with the Engineers' Club of the Lehigh Valley and the Philadelphia Section of AI & SEE.

## AIEE DISTRICT MEETINGS

The Lehigh Valley Section has been the host Section to three Middle Eastern District meetings.

The first one was held in Bethlehem April 21, 22 and 23, 1927. Headquarters were at the Hotel Bethlehem. William E. Lloyd of Hazleton, who at that time was Chairman of the Lehigh Valley Section, was Chairman of the General Committee in charge of the meeting. Mr. M. H. Aylesworth, President National Broadcasting Company was the principal speaker at the dinner held on Thursday the 21st of April.

The second meeting was held in Scranton October 11, 12 and 13, 1939. This meeting in addition to being a District Meeting was also a Student Branch Convention. Headquarters for this Meeting and Convention were at the Hotel Casey. Mr. Elmer F. Deturk, then with the Metropolitan Edison Company and now Electrical Engineer for the Long Island Lighting Company was General Chairman of this meeting. The attendance at this meeting was 313.

The third meeting was held in Reading October 5, 6 and 7, 1954. Headquarters were at the Abraham Lincoln Hotel. This meeting was outstanding from the point of view of attendance, which was 905, the quality of paper, and the excellent entertainment offered members, their ladies and guests. On the second day of the meeting AIEE President A. C. Monteith addressed a student luncheon

attended by more than 200 men from engineering colleges in the District. Mr. Walter B. Morton Vice President of the Institute and Assistant Electrical Engineer for the Pennsylvania Power & Light Company was General Chairman of the meeting.



LEHIGH VALLEY SECTION  
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
TERRITORY AND DIVISIONS OF LEHIGH VALLEY  
SECTIONS

Expansion and Contraction Territory of Section

The original territory assigned to the Lehigh Valley Section in 1921 consisted of counties as follows:

<u>Pennsylvania</u>	<u>New Jersey</u>
Lehigh	Hunterdon
Schuylkill	Warren
Carbon	
Monroe	
Northampton	
Pike	
Lackawanna	
Luzerne	

Under date of February 9, 1926, the following counties in Pennsylvania were added to the Section:

Wayne	Mountour
Wyoming	Northumberland
Columbia	

Under this same date Berks County was transferred from the Philadelphia Section to the Lehigh Valley Section.

Under date of August 1, 1937, the following counties in Pennsylvania were added:

Clinton	Lycoming
Snyder	Sullivan
Union	



Under date of January 29, 1942, the following counties in Pennsylvania were added:

Cumberland	Lebanon
Dauphin	Mifflin
Juniata	Perry

Under date of January 21, 1954, the following counties in Pennsylvania were transferred from the Lehigh Valley Section to the newly formed Susquehanna Section:

Cumberland	Lebanon
Dauphin	Mifflin
Juniata	Perry

As of January 1955 the territory of the Lehigh Valley Section is comprised of the following counties:

Pennsylvania

Wayne	Northampton
Luzerne	Snyder
Monroe	Carbon
Montour	Lackawanna
Lehigh	Wyoming
Union	Clinton
Sullivan	Northumberland
Schuylkill	Berks
Pike	Lycoming
Columbia	

New Jersey

Hunterdon	Warren
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### National Affairs

Since its organization the Lehigh Valley Section, in addition to being host for three District Meetings, has produced three National AIEE Vice Presidents and a National Secretary. The first Vice President was Dr. J. L. Beaver, 1927-29. The second was Mr. N. S. Hibshman, 1941-42 and the third Mr. Walter B. Morton, 1953-55\*. Mr. N. S. Hibshman, a former member of the LV Section, is now National Secretary.

In addition to the above, many members of the LV Section have taken an active part in the work of the various committees. Some of these have been H. H. Angel, W. F. Dunkle, S. S. Lesh, J. O. Leslie, W. F. Mackenzie and E. F. Weaver.

Although the LV Section is not the largest in number of members it occupies a very unique place in the Institute in that it holds its meetings at various places throughout its territory and that there is a high degree of interest by its members.

Under date of June 22, 1954, the Lehigh Valley Section was awarded Second Place for Section Growth for the year 1954 for Sections of more-than-average Membership. Since Mr. J. L. Black was Chairman of the Section when this growth took place the Board of Managers decided he was to be custodian of the Citation.

\* Mr. Morton was also a Director 1941-46, but at that time he was not a member of the LV Section.

## STUDENT BRANCHES OF AIEE IN LEHIGH VALLEY SECTION TERRITORY

There are at present three Student Branches of the AIEE in the Lehigh Valley Section territory. All three were organized long before the Lehigh Valley Section was organized; Lehigh University in 1902, Bucknell University in 1910 and Lafayette College in 1912. To the Lehigh University Student Branch belongs the honor of being the first college Branch of the AIEE.

A history of each of the Branches has been prepared by Professor J. L. Beaver of Lehigh University. He was present at the beginning of the Lehigh University Branch and has taken an active interest in all three branches. His histories of them follow:

### LEHIGH UNIVERSITY STUDENT BRANCH

In 1902 Dr. Charles F. Scott, then President of the AIEE, conceived a brilliant idea; one that probably meant more to AIEE than any other before or since. Dr. Scott thought the organization of Branches in the colleges would interest embryo engineers in the AIEE and would in future years be the chief source for new members.

He immediately put the above idea into effect and on October 15, 1902 he came to Lehigh University and in the old Physics building organized the Alpha of the Student Branches at Lehigh.

Professor Beaver was Treasurer of the new Branch and well remembers the big turnout. Professor Esty acted as Toastmaster. Sandwiches were made at the Starvation Club and Dr. Scott saw to it that there were no off-color speeches delivered as they sat formally at tables and ate. "Eats" have always been a feature of all subsequent meetings of the Lehigh University Branch.

Prof. Beaver acted as counselor off and on for many years and has seen 200 or more present at meetings, also an election meeting when only 16 turned out. Joseph Teno is the present (1955) counselor.

About eight meetings a year are held, with an outside speaker, student speaker, debates, movies, demonstrations, picnics, dances, etc.; in fact almost every idea gleaned from district student meetings has been tried by the local student branch.

The Branch continued active during World War I and II.



#### BUCKNELL UNIVERSITY STUDENT BRANCH

The next oldest Branch of the AIEE in the Lehigh Valley Section area was organized at Bucknell University on May 17, 1910.

Professor Rhodes was Head of the EE Department then and was instrumental in getting the Branch underway.

Raymond Young is at present (1955) Counselor at Bucknell University.

A student speaker chosen from the Branch has always given a fine paper with demonstrations at the Lehigh Valley Section meeting when held at nearby Sunbury.

#### LAFAYETTE COLLEGE STUDENT BRANCH

According to the record at the AIEE headquarters in New York, the Lafayette College Student Branch of the AIEE was organized on April 5, 1912. Since no permanent records were kept, the early history of the branch has been lost in antiquity. However in 1920, when Prof. Moreland King, Head of the Electrical Engineering Department, came to Lafayette College, he reactivated the branch. Since 1920 the branch has survived both depressions and war. In this period the branch has had four counselors, Prof. M. King, Prof. L. J. Conover, Prof. J. G. Reifsnyder and Prof. Finley Smith the present counselor. In 1948 a Joint Student Branch was formed with the IRE.

The Lafayette College Branch has always been active in District #2 Student Affairs. In 1928 and 1934 it was host to the eastern half of District #2 convention. The branch was one

of the charter members of this convention which existed until the Second World War. In the spring of 1950, it was host for the District #2 Student Prize Paper Contest. Three members of the Lehigh Valley Section, Messrs. F. M. Fuller, Donald Eschbach, and Harold Pearson, acted as judges for this contest. It is an annual custom to have one or more branch members give papers before meetings of the Lehigh Valley Section. A contestant is annually entered in the District #2 Student Prize Paper Contest.

The spirit and enthusiasm of the branch is excellent due to the practice of having student speakers at most of the meetings competing for the AIEE and the IRE branch prizes. Occasionally outside speakers are obtained but these are kept to a minimum since it is believed that student interest is increased if more students participate in the branch activities.

In 1948, Sammy Lee, then President of the AIEE, visited the branch and gave an enthusiastic talk on the AIEE and Engineering in general. The branch has also had occasional visits from the District Vice President, the Lehigh Valley Section Chairman and occasional speakers from the section.

The closing event for the branch year is an Annual Picnic. The wives and children of the members attend. A baseball game between Junior and Seniors is one of the highlights of the picnic.

LEHIGH VALLEY SECTION  
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
OFFICERS, LOCAL MANAGERS AND COMMITTEE CHAIRMEN

	1921	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29
Officers									
Chairman	Brooks	Brooks Hodge	Petty	Harvey	Lesser Woodward James	Woodward Lloyd James	Woodward Sibley Porter Baldwin	Woodward Sibley Porter Baldwin	Baldwin Brooks Althouse Wagner Weaver Cather Anthony Nicholson Perry King Harbaugh
Vice Chairman									
Secretary-Treasurer	Harvey	Harvey	Harvey	Brooks	Brooks	Porter	Standing	Standing	
Board of Managers	King Brooks Beaver		Perry Samuel Young	Beaver Wagner Beck	Woodhull Samuels Gassaway	Woodhull Samuels Beck Keenan Warren Wagner	Harbaugh Althouse Cather Lawson Wagner Bascome	Harbaugh Althouse Cather Lawson Wagner Bascome	
Meetings & Papers		Petty		Perry			Smeloff	Smeloff	
Attendance							Everson	Everson	
Membership		Samuels		Beaver	Samuels		Harbaugh	Harbaugh	
Publicity									
Fellowship									
Finance							Runkin	Runkin	
Prize							Seyfert	Seyfert	
Law							Sibley	Sibley	
Executive							Woodward	Woodward	

LEHIGH VALLEY SECTION  
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
OFFICERS, LOCAL MANAGERS AND COMMITTEE CHAIRMEN

	29-30	30-31	31-32	32-33	33-34	34-35	35-36	36-37	37-38
Officers									
Chairman	Althouse	Harbaugh James	King Hibshman Weaver Tyson	Charest MacDonald Alliman Everson	Hibshman Griesemer James Roper	MacDonald Kistler Smith Fuller	Griesemer Northrup Seyfert Tyson	Northrup DeTurk Conover Ludorf	DeTurk Weaver Mills Gears
Vice Chairmen									
Secretary-Treasurer	Weaver	Diefenderfer	Diefenderfer	Skinner	Skinner	Bell	Bell	Everson	Treweek
Managers	Everson		Harrison Fuller	Leslie Fuller	Weaver Seyfert	Boodberg Seyfert	Boodberg Gears	Ireland Gears	Packer Miller
			Griesemer	Griesemer	Diefenderfer	Ludorf	Ludorf	Huntley	Smith
			Roper	Roper	Northrup	Northrup	Conover	Smith	Leah
			Alliman	Smith	Smith	Phillips	Smeloff	Smeloff	Crumley
			Roper	Woltz	Woltz	Conover	Mills	Mills	Burke
			MacDonald	Kistler	Kistler	DeTurk	DeTurk	Crumley	Ireland
			James	James	Leslie	Weaver	Wood	Wood	Huntley
Meetings & Papers									
Attendance		Reque	Seyfert	Hibshman	Smeloff	Miller	Miller	Kistler	Kistler
Membership		Weaver	Whitney	Northrup	Ludorf	Gears	Skinner	Selple	Smith
Publicity		Nye	Phillips	O'Toole	MacDonald	Brown	Treweek	Kehl	Conover
Fellowship		Charest	Ludorf	Phillips	Gears	Griesemer	Weaver	Formhals	Appelman
Finance									
Prize		Brooks	Josephs	Weaver	Fuller	Wagner	Kistler	Charest	Baldwin
Law		Joseph	Charest	Anthony	DeTurk	Nees	Huntley	Leslie	Formhals
Executive			Wagner	Harbaugh	Everson	Baldwin	Beaver	Patty	Lesser
Local Membership			King		Hibshman			Northrup	
Auditing			Skinner	Hopkins	Kehl	Treweek	Smith	Westin	Anderson
Yearbook			Conover	Ludorf	Boodberg	Leslie	Phillips	Keenan	Everson
Technical Group			Weish	Diefenderfer	Phillips		Price	Weaver	Pratt
Inspection Trip						Everson	Lesser	Miller	Charest
Membership Transfer			Keenan	Keenan				Conover	



LEHIGH VALLEY SECTION  
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
OFFICERS, LOCAL MANAGERS AND COMMITTEE CHAIRMEN

Officers		38-39	39-40	40-41	41-42	42-43	43-44	44-45	45-46	46-47
Chairman	Weaver	Seyfert	Geary	Mills	Beers	Wyatt	Pearson	Ludorf	Neidig	Markarian
Vice Chairmen	Smith	Geary	Beers	Beers	Kehl	Pearson	Fuller	Markarian	Neidig	Treweek
Secretary-Treasurer Managers	Irland	Packer	Miller	Phillips	Neidig	Sprague	Greene	Shimer	Shimer	McNair
	Huntley	Leslie	Connor	Wyatt	Wyatt	Smith	Smith	Oewel	Price	Price
	Treweek	Treweek	Treweek	Ludorf	Ludorf	Cunningham	Cunningham	Campbell	Campbell	Campbell
	Beers	Wyatt	Wyatt	McNair	McNair	Ritter	Ritter	Ritter	Ritter	Ritter
Meetings & Papers	Bertolet	Bertolet	Pearson	Shimer	Shimer	Cox	Cox	Brennecke	White	White
	Connor	Connor	Rubin	Smith	Cox	Greene	Greene	Mackichan	Fry	Reber
	Lesh	Pearson	Neidig	Neidig	Greene	Treweek	Treweek	Fry	Owens	Owens
	Miller	Strelzoff	Strelzoff	Sprague	Sprague	Markarian	Markarian	Ratajczak	Ratajczak	Miller
Membership	Packer	Beers	Anderson	Anderson	Pollard	Seiple	Seiple	Black	Sprague	Sprague
	Pratt	Pratt	Kehl	Kehl	Oewel	Oewel	Black	Black	Black	Fehr
	Strelzoff	Bell	Bell	Oewel	Oewel	Pearson	Phillips	Neidig	Treweek	Seiple
	Bell	Mills	Irland	Everson	Pearson	Price	Bretz	McNair	Neidig	Shimer
Fellowship	Phillips	Kehl	Seiple	Campbell	Price	Campbell	Campbell	White	White	Ratajczak
	Wyatt	Ludorf	Phillips	VanSickle	Anderson	Anderson	Baum	Ludorf	Close	Bertolet
	Kehl	Connell	Baum	Greene	McKnight	McKnight	Baum	Wyatt	Wyatt	Fuller
	Geary	Phillips	Kistler	Packer	Charest	Charest	Mills	Kistler	Kehl	Anderson
Local Membership	Conover	Beaver	Beaver	Hibshman	Weaver	Weaver	Smith	Miller	Appelman	Ludorf
	Seyfert	DeTurk	Northrup	Charest	Geary	Geary	Weaver	Wyatt	Pearson	Ludorf
	Kressler	Conover	Price	Kistler	Mills	Mills	Wagner	Beaver	Oewel	Baum
	Wood	Baum	Mills	Connor	Owens	Owens	Kehl	Leinbach	Phillips	Hall
Auditing	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Pratt	Fuller	Beaver
	DeTurk	DeTurk	DeTurk	DeTurk	DeTurk	DeTurk	DeTurk	Pratt	Fuller	Beaver
	Hibshman	Hibshman	Hibshman	Hibshman	Hibshman	Hibshman	Hibshman	Pratt	Fuller	Beaver
	Hibshman	Hibshman	Hibshman	Hibshman	Hibshman	Hibshman	Hibshman	Pratt	Fuller	Beaver

LEHIGH VALLEY SECTION  
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS  
OFFICERS, LOCAL MANAGERS AND COMMITTEE CHAIRMEN

Officers	47-48	48-49	49-50	50-51	51-52	52-53	53-54	54-55	55-56
Chairman	Smith	Treweek	Sprague	Keenan	Leslie	Campbell	Black	Greene	
Vice Chairmen	Treweek Sprague Ratajczak	Markarian Miller Fehr	Taylor Anderson Bertollet Price Fuller	Charles Leslie Campbell Price Fuller	Black Campbell Snively Seymour Angel	Black Eschbach Snively Seymour Angel	Bertollet Greene Evans Seymour Hottenstein	Townsend Dunkle Evans Fehr Mayer	
Secretary-Treasurer	Price	Price	Price	Price	Price	Price	Price	Price	
Division Managers	Taylor Bewley Reber Collier Fehr Moore Miller Owens	Taylor Bewley Reifsnnyder Collier Eschbach Moore Morreall Charles	King Eschbach Snively Charles	Creveling Evans Edmunds Henry Snively Plonsky Townsend Wilbur	Creveling Evans Foltz Henry Kern Plonsky Townsend VanSickle Wilbur	Lee Evans Rosol Kern Warrington Plonsky Townsend VanSickle Anderson	Appleman Lee Wheeler Kern Rosol Gehrke Miller Joseph	Eichenberg Peterson West Robbins Ireland Gehrke Stewart Joseph	
Meeting & Papers	Wilbur	Bertollet	Campbell	Dunkle	Greene	Greene	Anderson	Kern	
Attendance	Black	Baum	Robbins	Ritter	May	Dunkle	Angel	Shoemaker	
Membership	Campbell	Dunkle	Roush	Taylor	Nonemaker	Nonemaker	Mackenzie	Albertson	
Publicity	Markarian	Black	McNair	Seymour	Mackenzie	Gehrke	Staller	Litridges	
Fellowship					Pearson	Bertollet	Anderson	Dummy	
Technical Discussion	King	Fuller	Fuller	Fuller	Fuller	Anderson	Dummy	May	
Historical	Mills	Oewel	Reber	Plonsky	Taylor	Fuller	Fuller	Fuller	
Finance	Ireland	Wilbur	Wyatt	Bertollet	Price	Ludorf	Dunkle	Geiger	
Prize	Neidig	Sprague	Smith	Treweek	Price	Pollard	Dunkle	Smeloff	
Law	Pearson	Anderson	Seiple	Brodhun	Ludorf	McNair	Donaldson	Weaver	
Auditing	Treweek	McNair	Moore	Angel	Treweek	Robbins	Leslie	Gring	
Inspection Trip	White	Griffin	Moore	Ratajczak	Dunkle	Phillips	Ludorf	Charles	
Yearbook	Charest	Neidig	Treweek	Morton	Ratajczak	Price	Homsher	Stuebner	
Membership Transfer					Neidig	Weaver	Black	Homsher	
Student Activities						Smith	Smith	Black	
Special						Morton	Morton	Mackenzie	