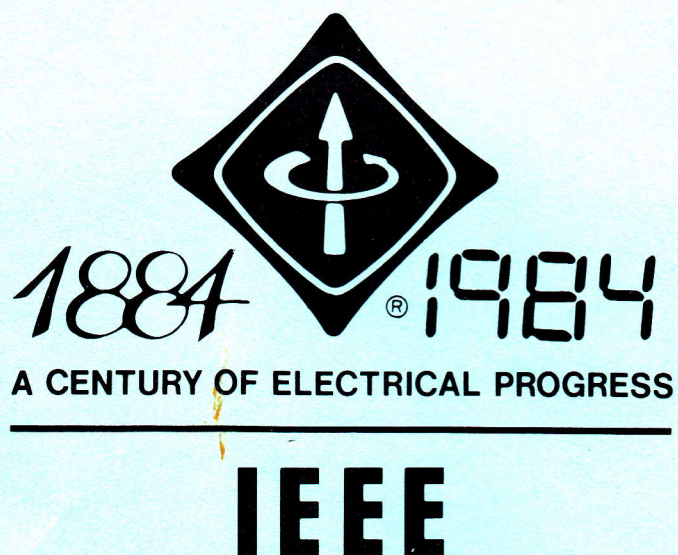


**THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.**



EAST TENNESSEE SECTION

**YEARBOOK
1981 - 1984**

1981-1984 YEARBOOK

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FACTS ABOUT IEEE AND SECTION

NATIONAL

IEEE is the world's largest technical organization. Dating back to 1884 nationally, it is made up of men and women who have organized to advance their knowledge of the field and to aid in the dissemination of new information as the field moves forward.

The Emblem of the IEEE:

The emblem of the Institute of Electrical and Electronics Engineers symbolizes a fundamental relationship of the magnetic field and the current \uparrow which produces it. This has universal significance. For those who wear the IEEE emblem on their lapels, it signifies they are members of a professional society in the field of electrical engineering and the allied arts and sciences.

EAST TENNESSEE SECTION MEMBERSHIP

(Includes Upper East Tennessee Subsection and University of Tennessee Student Branch as of December of each year.)

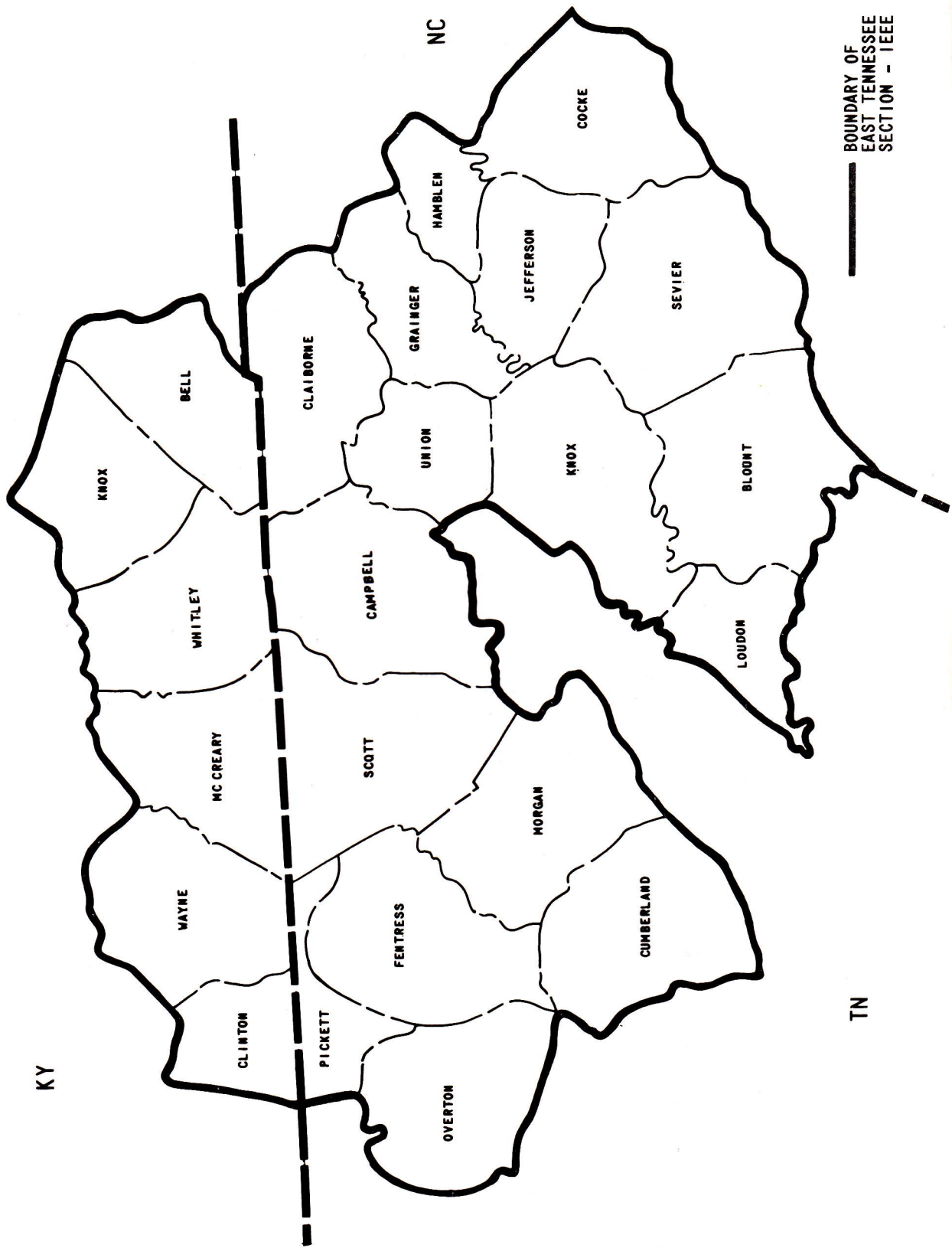
YEAR	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>
MEMBERS:	288	293	297	463	475	550	545	591	604
YEAR:	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>
MEMBERS:	595	634	709	816	849	765	770	795	733

PUBLIC SERVICE HIGHLIGHTS:

- *TSPE Engineers' Week
- *Southern Appalachian Science Fair
- *University of Tennessee Outstanding Student Award
- *Student Branch Activities
- *Student Region Activities
- *Student Dinners
- *Student Convention Expense
- *WATtec

FIRMS WORKING WITH IEEE MEMBERS:

Over 50 in East Tennessee



HISTORY

For several years prior to 1936, J. Elmer Housley, Dr. J. G. Tarboux, Chase Hutchinson, E. E. George and other active members of A.I.E.E. in East Tennessee felt the need for a Section in the eastern part of the state. A number of persons associated with the electrical industry expressed their desire to join the Institute if a local Section were formed but there were not enough members and applicants for the formation of a new section. The beginning of TVA and the expansion of local electrical industries increased the number of Institute members in the area and also the need for a local Section.

On May 25, 1936, the Board of Directors of the A.I.E.E. authorized the establishment of the East Tennessee Section and assigned to it all of the State of Tennessee east of the boundaries of Williamson, Robertson, Davidson, Marshall and Giles counties. The first meeting was held September 2, 1936, and the Section was organized with Chase Hutchison as the first chairman and 52 charter members. Ten meetings were held the first year with an average attendance of 61. Section Institute membership increased from 52 to 82 and the first two local members were received this year.

During the year 1937-38 nine meetings were held with an average attendance of 87. Section Institute membership increased to 102 and local membership increased to four.

During the year 1938-39 the membership increased to 108 Institute members and 10 local members. Alternate monthly meetings were held in Knoxville and Chattanooga and a joint meeting was held with Muscle Shoals, Memphis, and Alabama Sections and Student Branches from Universities of Alabama, Auburn, Vanderbilt and The University of Tennessee. The Section took an active part in endorsing the model law for registration of professional engineers.

During the period from 1939 to 1946, the members were busy on preparation for war and actual war effort. Travel was discouraged and later restricted to result in local meetings which were combined with A.S.C.E., A.S.M.E., and other professional societies. Technical group meetings were held and attendance was good. The membership increased to 288 in 1945, and this Section grew from twentieth to seventeenth in size among all Sections.

In 1946-47, restrictions on travel were removed and 25 regular meetings and additional technical meetings were held. The membership increased from 288 to 313. Mr. J. E. Housley, from East Tennessee Section, was National President.

During 1947-48, the Section membership increased to 342 members. Part of this increase was due to the organization of Oak Ridge Sub-Section. A total of thirty regular and technical meetings were held with one joint meeting in Athens and a social outing at Tapoco and the annual business and technical meeting at Watts Bar. The Southern District Student Conference was held at The University of Tennessee on April 9 and 10.

During 1949-50, the Oak Ridge Sub-Section became Oak Ridge Section of the Institute. Roane and Anderson counties were assigned to Oak Ridge Section. After losing approximately 100 members to Oak Ridge, the East Tennessee Section had 333 members before Muscle Shoals Sub-Section was added. The Muscle Shoals Section became Muscle Shoals Sub-Section and was added to East Tennessee Section at the end of the year. In addition to twenty-three regular meetings in Knoxville and Chattanooga, one joint meeting was held with Oak Ridge Section.

The year 1950-51 was a year marked by many technical programs and by some growth in membership to offset the losses to the Oak Ridge Section last year. During the year, 34 members were added to give a net total of 345 members. The boundary between the East Tennessee Section and the Nashville Section was further defined by an agreement with the Nashville Section. This boundary was definitely defined and a report made to the national organization.

In the year 1951-52, the membership increased to a total of 353 members, twenty-nine new members being received during the year. In addition to twenty-three regular technical meetings, two social meetings were held.

John D. Harper was elected National Vice-President from District 4 for the 1951-53 term, but served only three months before moving to Texas.

In the years 1953-1954, Sub-Sections were formed at Tullahoma, Tennessee and Huntsville, Alabama. This was reflected by the development of special engineering projects in this area. These Sub-Sections were very helpful to the membership growth in that the Section's membership increased sharply to 406 by August 1, 1954. Three general meetings were held during this period, one of which was at the Arnold Engineering Works at Tullahoma and another at the Kingston Steam Plant of the Tennessee Valley Authority.

C. P. Almon, Jr. served as Secretary of District Four for the two-year term 1951-53, and as National Vice-President from District Four for the 1953-55 two-year term.

In the two years 1955-57, the Section continued to experience a substantial membership growth and to have more meetings. The activities of the several Sub-Sections were a major contributor to this increase.

Considerable visitation of the membership between the Section and Sub-Sections was also of benefit to the Section as a whole.

At the Annual Meeting, in May 1957, a change in the Bylaws was approved which required the incoming officers to assume office on June 1 rather than August 1.

During the year 1958-59, the Section membership continued to increase. By the last of August, 1959, there was a total of 550 members. During this same period the Upper East Tennessee Sub-Section was formed. L. R. Sellers received the Fellow Award for contributions to coordination of design of large hydroelectric and steam electric plants.

At the annual meeting the Section Bylaws were amended. Sections 13 and 14 were changed so that in the future a biographical sketch of each candidate would be included with the ballot for the election of officers.

The years 1959-1961 were very eventful. Effective December 1959, the Tullahoma Sub-Section was granted Section status and became the Middle Tennessee Section. In February 1961, the Huntsville Sub-Section became the North Alabama Section with the Muscle Shoals Sub-Section attached. Sections 35, 36, and 37 of the Bylaws have been cancelled to reflect these changes. The total membership of the East Tennessee Section, after these changes, was reduced to 402 (January 1, 1962).

During this period the East Tennessee Section became part of District 13 after the division of District 4 into District 4 and 13. In October 1961, the East Tennessee Section was host to the District 13 executive committee meeting at Gatlinburg.

Effective June 1, 1962, the East Tennessee Section was divided into two sections, one becoming the Chattanooga Section with headquarters in that city and the other with headquarters in Knoxville retaining the East Tennessee Section name. The Upper East Tennessee Sub-Section, with headquarters at Kingsport, remained a part of the East Tennessee Section. After formation of the new section, the East Tennessee Section, including the Upper East Tennessee Sub-Section, had a total of 211 members.

Many changes occurred during 1963 and 1964. Effective January 1, 1963, the AIEE merged with the IRE to become the IEEE. On March 19, 1963, the East Tennessee Section voted to merge at the Section level and petitioned the Headquarters of the IEEE to be recognized as the East Tennessee Section of IEEE. On December 31, 1963, a petition for the establishment of an East Tennessee Section Chapter of the Professional Technical Group on Power. This petition included names of fifty-four members. On July 1, 1964, the official beginning of the charter chapter of the Power Group was recognized by IEEE Headquarters and began operations.

During the 1965-1966 year the Section held eight general meetings, the annual business and social meeting at Tapoco Lodge, and a Section technical conference. The latter, consisting of a full-day technical program at The University of Tennessee, plus an inspection trip to Bull Run Steam Plant, was unique in that this was one of the first local conferences of this type held in the IEEE. Attendance at the 10 general meetings averaged 53.9 during the year. The Power Technical Group conducted four technical meetings during the year, and at the close of the fiscal year in June the Section's second Professional Technical Group on Communications Technology was organized with 15 charter members. Paul C. Cromwell received the Fellow Award for contribution to electrical engineering education and research.

Professor Robert R. Riesz of Union College, Barbourville, Kentucky, was honored at the March 8, 1966 Section meeting by the presentation of a Fellow certificate. Professor Riesz was elected Fellow based on his work with the Bell Telephone Laboratory.

The IEEE Power Generation Committee held their 1967 Spring meeting in Knoxville. This meeting included a trip to the Bull Run Steam Plant and the Oak Ridge National Laboratory. The technical session included four papers on batteries and static inverters.

On January 1, 1967, Mead Warren, Aluminum Company of America, Alcoa, Tennessee, was elevated to the grade of Fellow. He was cited "for contributions in the field of power generation and transmission including specific contributions which advanced the state of the art in communication, telemetering, and the development of preventive maintenance."

During the 1967-68 year, general meetings of the Section were on the theme of Engineering Education. Deans of Engineering from various Southeastern Universities were the speakers. The Professional Technical Group Chapters in Communications and Power provided technically oriented programs in their respective fields of interest.

Late in 1968 the Section extended an invitation to the Institute to hold its 1972 Region III Convention in Knoxville. The invitation was accepted and the Convention was planned for April 10, 11 and 12, 1972. Dr. J. Frank Pierce, General Chairman stated that plans are progressing nicely and are on schedule.

During the 1968-69 year, the Section held nine general meetings and the annual business and social meeting at Tapoco Lodge, with an average attendance of 51. The Group Chapters held meetings as follows: Comm-Tech two (avg. 20); Power three (avg. 47). The Sub-Section reported three general meetings plus an inspection tour.

During the 1969-70 year, the Section held eight general meetings and the annual business and social meeting at Tapoco Lodge, with an average attendance of 52. The Power Group Chapter held three meetings with an average attendance of 18. The Sub-Section reported three general meetings.

Membership in the East Tennessee Section has continued to grow over the years. By May 1970, membership in the Section was 240, plus 65 in the Upper East Tennessee Sub-Section, and 103 in the Student Branch at The University of Tennessee.

On January 1, 1970, Chancellor Charles H. Weaver, The University of Tennessee, was elected a Fellow Member of IEEE. He was cited "for leadership in Engineering systems." Presentation of the Certificate of Election was made by John D. Harper, F'50, President of Aluminum Company of America, at the January 1970 meeting.

During the 1970-71 year, the East Tennessee Section held nine general meetings, two of which were joint meetings with the Power Engineering Society Chapter, and the annual business and social meeting at Tapoco Lodge. The average attendance at the general meetings was 37. The Power Engineering Society Chapter held two meetings in addition to the two joint meetings with the Section with an average attendance of 27. The Upper East Tennessee Sub-Section reported two general meetings.

Membership in the East Tennessee Section as of May, 1971 was 246, plus 67 in the Sub-Section, and 92 in the Student Branch at The University of Tennessee. Hazen E. House, Fellow, transferred back to the East Tennessee Section.

During the 1971-1972 year, the Section held nine general meetings, two of which were joint meetings with the Power Engineering Society Chapter and the annual business and social meeting at the Hyatt Regency. The average attendance at the general meetings was 52. The Power Engineering Society Chapter held two meetings in addition to the two joint meetings with the Section with an average attendance of 30. The Sub-Section did not report any meetings.

Membership in the East Tennessee Section as of June 1972 was increased substantially to 319, plus 62 in the Upper East Tennessee Section, and 94 in the Student Branch at The University of Tennessee.

The East Tennessee Section was host to the 1972 Southeastern Region III Conference in Knoxville on April 10, 11 and 12, 1972. The technical program, technical exhibits, inspection trips to the Oak Ridge National Laboratory, Bull Run Steam Plant and Knoxville Utilities Board Facilities, and the ladies activities were all highly successful. The Conference Banquet was addressed by the President of the IEEE, Robert H. Tanner.

The Conference was attended by 395 professional delegates from throughout the world and 230 engineering students from 25 different colleges and universities. All the technical papers and presentations of the Conference were provided in a single publication.

During the 1972-73 year, the Section held nine general meetings, one of which was a joint meeting with the Power Engineering Society Chapter with an average attendance of 61 members. The Power Engineering Group Chapter reported four regular meetings in addition to the joint meeting, with an average attendance of 36 members. The Sub-Section reported six meetings with an average attendance of 22 members.

Due to Upper East Tennessee Sub-Section reporting no meeting in 1971-72, a poll was taken to see if there was sufficient interest to continue the Sub-Section. It was voted to reorganize and continue. The reorganization was very successful. The Section purchased an IEEE room banner to be used at all meetings this year.

During the 1973-74 year, the Section held eight general meetings, one of which was a joint meeting with the Power Engineering Society Chapter, with an average attendance of 54 members. The Power Engineering Group held four meetings in addition to the joint meeting with an average attendance of 35. The Sub-Section was active this year with five reported meetings and an average attendance of 15 members.

The East Tennessee Section polled the membership to see if there was sufficient interest in starting a Computer Society Chapter. Very little response was shown and the motion was dropped. Also, the dissolution of the Communication

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Society Chapter was approved. The Section purchased a podium with mike and continued to support the Engineers Week program and the Science Fair. The Section approved the minor revision of bylaws by removing the Section Constitution, since the Section is governed by the constitution of the Institute. It was announced that Fellow, Bob Rochelle, had transferred to the East Tennessee Section. Awards made at this meeting included the following: Senior Service Award, Raymond Rochat; Service Award, Ben Lamb; and Outstanding Junior Student, David Oglesby.

During the 1974-75 year, the East Tennessee Section held nine general meetings, including a joint meeting with the American Society of Mechanical Engineers (ASME) and the annual business and social meeting held at Fall Creek Falls State Park. The average attendance was 63 members. In addition, the Power Engineering Society Chapter held four meetings with an average attendance of 35 members. The Sub-Section was active with seven meetings, reporting an average attendance of 19 meetings.

As of June, 1975, membership in the East Tennessee Section was 364, plus an additional 82 in the Upper East Tennessee Sub-Section and 78 in the Student Branch at The University of Tennessee.

During the 1975-76 year, the East Tennessee Section held nine general meetings, one of which was a joint meeting with the Oak Ridge Section, and another of which was the annual business and social meeting held at the Glenstone Lodge in Gatlinburg. The average attendance was 56 members. The Power Engineering Society Chapter held two meetings with an average attendance of 24 members. The Sub-Section was active this year, reporting eight meetings with an average of 18 members attending.

Several events highlighted the year including an IEEE display at West Town Mall as a part of Engineers' Week activities. Also, the Section participated for the first time in the annual WATTEC Conference, formed in 1974 as an interdisciplinary energy conference and exhibition by local technical societies. The Professional Activities Committee was newly formed this year to keep members' interests up-to-date in this important area.

Membership in the East Tennessee Section as of May 1976, was 335, plus 71 in the Upper East Tennessee Sub-Section, and 130 in the Student Branch at The University of Tennessee.

During the 1976-1977 year, the Section, Sub-Section and PES Chapter held meetings on the following topics: Computerized Axial Tomography, EXPO-82, Electrical Engineering Education at The University of Tennessee, Energy Conservation in Housing, Public Broadcasting, Fiber Conduit Capabilities, Solid State Relaying, Solar Power via Satellite, Research Opportunities in Space, Energy: The Changing Scene, and Overcurrent Protective Devices.

During the 1977-78 year, the following topics were heard at the meetings: IEEE Headquarters (IEEE National President-Bob Saunders), Fluorescent Security Lighting, Environmental Law and Technical Issues, Registration of Engineers, Solid State Control System for the Bellefonte Nuclear Plant, Student Paper Contest, Engineering Leadership and Crisis Control, On the Road to Energy Independence, Uses of Microprocessors in Industry, Hierarchy of Control of Interconnected Power Systems, and the World of Standards.

The WATtec session sponsored by the Section featured talks on Evolution of Power Generation Equipment in the TVA System, the Eastern Interconnection on the Brink, the Electric Distribution System and Its Responsibility to Meet Customer Load Growth and Continuing Valley Development by Conservative use of Energy.

During the 1978-1979 year, the following were topics at the meeting Power Engineering Society: Its Structure and Activity, Raccoon Mountain, Role of Engineering in Today's Society, Computers in the Year 2001, Fiber Optics in Data Acquisition and Control Systems, Noah--the First Engineer, Nuclear Risk--Limits of Probability, Phipps Bend Nuclear Plant, Diagnostic Measurements for Nuclear Plants, Fusion Power and Energy Conversion Alternatives. The Session at WATtec sponsored by the Section was entitled "Energy and the Consumer" with talks on Energy Utilization by Institutions, Efficient Transmission and Distribution of Electrical Energy, Energy Conservation in the Major Appliance Field and Electric Power Resources and Uses. A survey of the membership was made to ascertain their opinion on professional activities in IEEE: About 10% of the members responded with a range of opinions. Half of those responding wrote in specific comments which, in general, were not supportive of professional activities by IEEE. The results of this survey were forwarded to IEEE Headquarters.

During the 1979-1980 year, the following topics were heard: Cheoah Hydroelectric Powerhouse (Tapoco, NC), An Overview of Wind-Electric Systems, Video disc Systems, Programmable Controllers, Ethical Trilemmas: The Public, The Employer and The Engineer, Energy--The Political Crisis, University of Tennessee Student Paper Contest, Intrinsic Safety Barriers in Control Loops, K.U.B.'s New SCADA System, Large Horsepower Adjustable Frequency Drives, Microprocessor Based Process Control, T.I. 9900 Microprocessor System and Current Status of World's Fair. The session at WATtec sponsored by the Section featured talks on Electrical History of the Tennessee Valley, Energy conservation Assistance to Small Industries in Tennessee, and Role of R&D in Solving the Energy Crisis.

In April 1980, Mike Montgomery of the University of Tennessee won first place in the Region III Student Paper Contest at SOUTHEASTCON. He was also one of four recipients from the entire United States to receive a \$2000 IEEE Computer Society Scholarship for graduate study.

During the 1980-1981 year, the following topics were heard: Controversial Issues Facing IEEE, General Aspects of MHD, High Power Solid State Linear Amplifiers, Experimental Fusion Reactors, and Electronic Home Banking. This year's WATtec conference featured talks on:

The Electric Vehicle--The Future of Personal Transportation, Institute of Nuclear Power Operations (INPO), Railroad Electrification in the South and An Historian's Commentary on America's Electrification.

The Section was especially honored to learn that two of its members, Max Sprouse and Reece Roth, were named Fellows of the IEEE recognition of their outstanding achievements.

During 1981-1982, the following were topics at the meetings: Microprocessor-Based Control for a Spacecraft Experiment, Computer Vision and Robotics, The Computer Revolution, Implications of the Magnetic Fusion Energy Engineering Act of 1980, Quality Control Labs, and the Engineering Design Office of TVA.

This year's WATtec session was organized by Reece Roth and featured talks on: Status of Magnetic Fusion Research, Southeastern Academic Activity in Fusion Energy, Status of Magnetic Fusion Technology, and The Role of Private Industry in Fusion Energy.

The Section and the U. T. Student Branch participated in the exhibits display at West Town Mall during National Engineers' Week. Personal computers and a checkers-playing robot were demonstrated.

The Upper East Tennessee Subsection was upgraded by the Institute due to its increase in membership and activity to become the Tri-Cities Section. John Miller was instrumental in this process.

During 1982-1983, the following were topics at the meetings: Electric Vehicle Technology, Cryptography and Computer Security, Superconducting Generator and Robotics.

This year's WATtec session was organized by Bob Williams and featured talks on Controlling the Software Function, Integrated System Approach to Distribution Automation, Economics of Volt/Var Control for Electrical Distribution Systems and Robotics Applications in Nuclear Power Plants.

During the year the student branch at the University of Tennessee held weekly luncheons featuring professional and technical topics; actively participated in Engineer's Day on campus; manned an exhibit at West Town Mall during Engineers' Week; sponsored a variety of social events for students; and attended the Southeastern IEEE Conference in Orlando, Florida.

During 1983-1984, the following were topics at the meetings: Investment Strategies for Engineers, Selecting Small Computers for Business and Professional Use, Evening Behind the Iron Curtain, Local Area Networks, Clean-up of Three Mile Island, Counting Single Atoms, and Starting Spin-off Companies.

This year's WATtec session was organized by Ralph Hair and featured talks on industrial automation in the electric utility industry, design of an automated distribution system, retract thermohydraulic model for advanced power plant simulators, new computing trends in the electric utility industry, atmosphere fluidized bed combustion development at TVA, a complete reactor vessel monitoring system, general design and design guide for manual solar water heaters, and a turn the road: Eastman Chemicals from Coal.

During 1984-1985, the following were planned topics for the meetings: History of Electric power in Tennessee, IEEE Centennial Lecture - 100 years of progress, electromagnetic pulse and its implications in Electric power and communications systems, status of IEEE Professionalism activities, the future of nuclear power, atmospheric fluidized bed combustion. Recent advances in process control instrumentation and status of the Tennessee Technology Corridor.

The Executive Committee voted to make a bid for the 1988 Southeast Conference.

IEEE SECTION AWARDS

<u>YEAR</u>	<u>TYPE</u>	<u>RECIPIENT</u>
1982	IEEE Fellow	Charles W. Williams
1983	IEEE Fellow	Lester C. Oakes
1983	Outstanding Service Award	Richard Mallicote
1983	Outstanding Service Award	Frederick W. Symonds
1983	Outstanding Engineer Award	Ernest L. Hall
1983	IEEE Centennial Medal	Ernest L. Hall
1983	IEEE Centennial Medal	Ben J. Lamb
1983	IEEE Centennial Medal	Richard E. Mallicote
1983	IEEE Centennial Medal	Lawrence Peterfreund
1983	IEEE Centennial Medal	Frederick W. Symonds
1984	Outstanding Service	Richard F. Keck
1984	Outstanding Engineer Award	J. Kenneth Greene
1984	IEEE Fellow	Ralph Gonzales
1984	IEEE Fellow	James C. Hung

CHARTER MEMBERSAIEE EAST TENNESSEE SECTION

F. O. Andridge	W. F. Laubscher
David R. Baldwin	W. Ledermann
Harry Barnhill	H. H. Long
J. C. Barry, Jr.	B. H. McCoin
Wm. R. Brownlee	R. W. McEver
J. C. Buchanan	R. M. Milton
W. C. Campbell	J. J. Noell
Joe Coe	W. G. Parrott, Jr.
John W. Crabtree	Wm. Paynter, Jr.
Llewellyn Evans	Charles A. Perkins
A. P. Farrow	Edward B. Peters
R. M. Gallaher	J. G. Pettijohn
E. E. George	Fred C. Prince
Charles T. Graham	A. H. Profitt
K. E. Hapgood	W. L. Ridenhono
John D. Harper	H. W. Scovel
Wallace Harrison	Frank J. Stevens
F. A. Hoeke	Charles B. Stoughton
W. G. Hoffman	C. B. Summers
R. A. Hopkins	A. H. Sullivan
H. E. House	J. G. Tarboux
J. E. Housley	H. S. Truse, Jr.
Chase Hutchinson	Sam C. Wilkerson
Cecil F. Jones	A. B. Wood
S. W. Keat	E. Woodbury
Paul J. Kruesi	W. W. Woodruff

PAST CHAIRMEN
FOR EAST TENNESSEE SECTION
OF SOUTHEASTERN REGION 3, AREA 5

Established September 2, 1936

Chase Hutchinson	1936-37
E. E. George	1937-38
J. E. Houseley	1938-39
K. E. Hapgood	1939-40
J. G. Tarboux	1940-41
F. J. Stevens	1941-42
R. A. Hopkins	1942-43
R. M. Ferrill	1943-44
J. D. Harper	1944-45
C. P. Almon, Jr.	1945-46
F. A. Hoeke	1946-47
J. J. Hill	1947-48
R. W. McEver	1948-49
T. D. Talmadge	1949-50
R. M. Alspaugh	1950-51
F. J. Baker	1951-52
Mead Warren, Jr.	1952-53
J. Warren Roberts	1953-54
Frank Cross	1954-55
Volney J. Cissna	1955-56
Hugh C. Sells	1956-57
M. Stephens Merritt	1957-58
L. E. Marshall	1958-59
Fred Chambers	1959-60
P. R. Andrews	1960-61
C. A. Duke	1961-62
John A. Brown, Jr.	1962-63
Charles H. Cain	1963-64
H. E. Church	1964-65
Campbell McCord	1965-66
Paul C. Cromwell	1966-67
Hal C. Nichols, Jr.	1967-68
Raymond A. Roachat	1968-69
Charles H. Weaver	1969-70
Robert E. Bodenheimer	1970-71
John E. Holladay	1971-72
James W. Keller	1972-73
J. Frank Pierce	1973-74
Martin L. Hartley	1974-75
Frederick W. Symonds	1975-76
William H. Dainwood	1976-77
Lawrence Peterfreund	1977-78
Joseph M. Googe	1978-79
Claude Harvey	1979-80
Richard E. Mallicote	1980-81
Donald L. Bouldin	1981-82
Ben J. Lamb	1982-83
Paul Micale	1983-84
J. Reece Roth	1984-85

BIOGRAPHIES OF FELLOWS

GONZALES, RALPH (M'64-SM'72-F'84)

Born: August 26, 1942, Havana, Cuba. Degrees: B.S., 1965, University of Miami; M.S., 1967, University of Florida, Ph. D., 1970, University of Florida.

Fellow Award: "For contributions to the theory and applications of pattern recognition and digital image processing."

HOUSE, HAZEN E. (M'30-SM'45-F'71-LF-72)

Born: September 15, 1906, Knoxville, TN. Degrees: B.S.E.E., 1929, M.I.T.; M.E.E., 1932, MIT.

Fellow Award: "For contributions to the determination of electrical and thermal characteristics of stranded and bare conductors."

HUNG, JAMES C. (M'60-SM'62-F'84)

Born: February 18, 1929, Foochow, China. Degrees: B.S., 1953, National Taiwan University; M.S. 1956, New York University; Ph. D., 1961, New York University.

Fellow Award: "For contributions to industrial electronics and control automation."

LIVINGSTON, ROBERT S. (M-SM-F'68)

Born: September 20, 1914, Summerland, CA. Degrees: A.B., 1935, Domana College; M.S., 1941, University of California; Ph. D., 1941, University of California, Ph. D., 1941, University of California.

Fellow Award: "For contributions to cyclotron focusing development."

OAKES, LESTER C. (M-SM-F'83)

Born: October 11, 1923, Knoxville, TN. Degrees: B.S., 1949, University of Tennessee, M.S., 1962, University of Tennessee.

Fellow Award: "For contributions to Nuclear Power Reactor Control Systems."

ROCHELLE, ROBERT W. (M'47-F'70)

Born: June 23, 1923, Nashville, TN. Degrees: B.S., 1947, The University of Tennessee; M.E., 1949, Yale University; Ph. D., 1963, University of Maryland.

Fellow Award: "For development of spacecraft information systems, in particular, pulse-frequency modulation; and for contributions to advancements in spacecraft electronics."

ROTH, J. REECE (M-F'81)

Born: September 19, 1937. Degrees: S.B. in Physics, 1959, M.I.T.; Ph. D., 1963, Cornell University.

Fellow Award: "For developments in superconducting magnet technology and discoveries in plasma instabilities and turbulence."

SPOUSE MAX (F'81)

Born: November 24, 1920, Degree: B. E. E., 1942, Clemson University
Fellow Award: "For leadership in standardizing design processes for power generation stations."

WEAVER, CHARLES H. (M-SM-F'70)

Born: January 27, 1920, Murfreesboro, TN. Degrees: B. S., 1943, The University of Tennessee; M. S., 1948, The University of Tennessee; Ph. D., 1956, The University of Wisconsin.
Fellow Award: "For leadership in engineering education and contributions to the theory and application of control systems."

WILLIAMS, CHARLES W. (M-SM-F'82)

Born: February 18, 1931, Palestine, AR. Degrees: B. S. 1959, University of Tennessee; M. S. 1963, University of Tennessee.
Fellow Award: "For contributions to the development and application of nuclear instrumentation."

OFFICERS1981-19821982-19831983-19841984-1985

———— East Tennessee Section ————

Chairman:

Don Bouldin

Ben Lamb

Paul Micale

Reece Roth

Vice-Chairman:

Ben Lamb

Paul Micale

Reece Roth

Richard F. Keck

Secr.-Treas.:

Ben Lamb

Jack Lawler

Richard O'Donnell

Ray McKnight

Asst. Secr.-Treas.:

Jack Lawler

Richard O'Donnell

Ray McKnight

M. Don Trudle

Director:

Fred Symonds

Reece Roth

Don Bouldin

Pete Peterfreund

Director:

Raymond Rochat Tom Akos

Jane Black

William Dainwood

———— Power Chapter ————

Chairman:

Don Webster

Trygue Tolnas

Gary Reed

Francis Rosenfweig

———— U. T. Student Branch ————

Chairman:

Ali Najem

Tom Swift

Jeanie Joinman

Eric Vondx

**EAST TENNESSEE SECTION
EXPENSES & BUDGET**

ITEM	YEAR	1981-1982 (EXPENSES)	1982-1983 (EXPENSES)	1983-1984 (EXPENSES)	1984-1985 (BUDGET)
Meeting Notices; Postage; Election Ballots		1464	1445	1768	2025
Yearbook		(300)¢	(300)¢	(300)¢	300
Awards		50	85	80	100
Student Activity Support		64	324	137	270
Misc. #		214	29	0	410
Total Expenses		1792	1883	2285	3105 (EXPECTED)
Income*		2393	2150	2030	2180 (EXPECTED)

***Income Sources:**

- Rebate from IEEE Headquarters based on number of members in the section and meeting attendance
- WATtec rebate (about \$150 per year)
- Interest on reserve funds (\$1500 principal-1984)
- Bank Balance as of October 19, 1984 was \$3395

¢Set aside for publication at 300 per year, this figure is not included in total expenses

#Miscellaneous includes \$200 for South East Tennessee in 1981-1982 and \$360 for Cabinet MTGS in 1984-1985.

IEEE-EAST TENNESSEE SECTION
BYLAWS
AS ADOPTED ON JANUARY 21, 1964*

Section 100 - Name, Purpose, Territory

101. This organization shall be known as the East Tennessee Section of the Institute of Electrical and Electronics Engineers, Incorporated, as authorized by the IEEE Executive Committee on June 18, 1963.
102. The purpose of the Section shall be to promote the principles outlined in the Constitution and Bylaws of the IEEE. This purpose includes the advancement of the theory and practice of electrical engineering, electronics, radio, allied branches of engineering, and of the related arts and sciences, the maintenance of high professional standards among its members, and the development of the individual engineer. This shall be done by holding meetings and by engaging in other activities as necessary for the fulfillment of these objectives.
103. The territory of the Section shall include Blount, Campbell, Claiborne, Cocke, Cumberland, Fentress, Grainger, Jefferson, Hamblen, Knox, Loudon, Morgan, Overton, Pickett, Scott, Sevier, and Union Counties of the State of Tennessee; Bell, Clinton, Knox, McCreary, Wayne, and Whitley Counties of the State of Kentucky.

Section 200 - Membership

201. All members of the IEEE with IEEE mailing addresses within the territory of the Section are automatically members of the Section unless an individual member chooses membership in a contiguous Section in accordance with IEEE Bylaws. Certain other members of the IEEE residing in contiguous territory may become members of the Section in accordance with IEEE Bylaws.
202. All Fellows, Senior Members, and Members of the IEEE who are members of the Section shall be entitled to attend the meetings, vote, and hold office. Associates of the IEEE who are members of the Section shall be entitled to attend meetings and vote, but shall not have the right to hold office.
203. Student members of the IEEE shall be entitled to attend meetings but shall not have the right to vote or hold office.
204. The Section may serve non-members or groups wishing to receive meeting announcements and other Section publications. The costs of publications and mailing shall be paid in advance. The amount to be paid shall be determined yearly by the Executive Committee. The non-member mailing list should be maintained in accordance with current IEEE policy.

*On May 14, 1974, the Section adopted the IEEE Constitution to replace the Section Constitution and amended the Section Bylaws to conform with the IEEE Constitution.

Section 300 - Officers

301. The officers of the Section shall be a Chairman, Vice Chairman, Secretary-Treasurer, Assistant Secretary-Treasurer, Junior Past Chairman, and two Directors. The Junior Past Chairman shall be the most recent Past Chairman who is currently a member of the Section. The Chairman, Vice Chairman, Secretary-Treasurer, Assistant Secretary-Treasurer and Junior Past Chairman shall serve for a period of one (1) year beginning July 1. The Two Directors shall serve for a period of two (2) years and have alternating terms of office (i.e., only one Director will be elected each year to serve a two year term). The Chairman-Elect shall be the official Section delegate to any IEEE meeting requiring Section representation between the time of his election and the time at which he takes office. The Vice Chairman-Elect shall be first alternate delegate. In the event neither is able to attend, a delegate shall be chosen by the Executive Committee.
302. The offices of Chairman and Secretary-Treasurer shall be filled by automatic succession of the previous year's Vice Chairman to Chairman and Assistant Secretary-Treasurer to Secretary-Treasurer. If it is known that any of these succeeding Officers will be unable to hold office the next year, such office or offices shall be filled by election in accordance with Section 400. The offices of Vice Chairman, Assistant Secretary-Treasurer, and Director shall be filled each year by election in accordance with Section 400.
303. A vacancy in the office of Chairman or Secretary-Treasurer shall be filled by the Vice Chairman or Assistant Secretary-Treasurer, respectively. A Vice Chairman or Assistant Secretary-Treasurer, who assumes the office of Chairman or Secretary-Treasurer to fill a vacancy shall still succeed to the office of Chairman or Secretary-Treasurer for the following year as provided in Section 302. A vacancy in the office of Vice Chairman, Assistant Secretary-Treasurer, or Director shall be filled by appointment of the Executive Committee for the remainder of the unexpired term. An appointed officer shall serve in the office to which he is appointed, or in the office to which he has succeeded in the year he was appointed, only for the remainder of the unexpired term of that office. Any office filled by appointment or by succession from an appointment shall be filled by election for the following year. If it becomes apparent that an office will be vacant in the following year after it is too late to fill that office through the regular election process, such a vacancy shall be filled in the manner prescribed above by the remaining members of the new Executive Committee.

Section 400 - Nomination and Election of Officers

401. Prior to February 1 of each year the Chairman shall appoint a Nominating Committee consisting of five (5) qualified voting members of the Section, none of whom are then serving as a member of the Executive Committee, and shall name one of the appointees as Chairman of the Committee.

Section 400 - Nomination and Election of Officers (continued)

402. The Nominating Committee shall select two nominees for each of the Section offices to be filled in the forthcoming election and shall secure from each of the nominees his consent to serve if elected.
403. On or before February 15 the Nominating Committee shall submit in writing to the Secretary-Treasurer a list of the offices to be filled in the election along with the names of their nominees for each office. The Nominating Committee shall prepare and submit in writing to the Secretary-Treasurer, along with the list of offices and names of nominees, a brief biographical sketch of each of the nominees named setting forth the nominee's qualifications for holding the office for which he is being nominated.
404. Not later than March 1, the Secretary-Treasurer shall send to each Section member a list of the nominees showing the office for which each has been nominated. This list shall include the names of the officers who will hold office by automatic succession and shall indicate which office each will hold.
405. Other nonimations may be made by the Section membership by submitting to the Secretary-Treasurer a letter bearing the name of the nominee, the office for which nominated, a brief biographical sketch of the nominee, a statement of his consent to serve if elected, and the signatures of at least ten (10) qualified voting members making the nomination, which letter must be received by the Secretary-Treasurer on or before April 1.
406. Not later than April 15, the Secretary-Treasurer shall prepare and mail to each Section member a ballot showing the elective offices to be filled along with the names of the nominees, enclosing therewith a copy of the above biographical information. The names of the officers who will hold office by automatic succession shall be listed on the ballot, indicating which office each will hold. Ballots shall include space for write-in votes. Each member shall be sent a blank envelope for enclosing his marked ballot and a self-addressed cover envelope addressed to the Secretary-Treasurer, bearing the phrase "Enclosing a Ballot Only" or its equivalent, and having a provision for the voter's signature. Included with the ballot should be a notice that it must be received by the Secretary-Treasurer on or before April 30 in order to be counted.
407. Each ballot to be included in the count for election must be received by the Secretary-Treasurer in a signed cover envelope on or before April 30. The Secretary-Treasurer shall check each signature on the cover envelopes against the list of Section qualified voting members, shall open the cover envelopes on all valid ballots, and shall deliver the unopened ballot envelopes to the Tellers Committee.
408. On or before May 1 the Chairman shall appoint a Tellers Committee consisting for three qualified voting members, none of whom shall be a nominee for an office in the election. It shall be the duty of the Tellers Committee to receive the unopened ballot envelopes from the Secretary-Treasurer, to count the votes and to report

Section 400- Nomination and Election of Officers (continued)

- in writing the results of the count to the Secretary-Treasurer and the Chairman on or before the date of the Section Annual Business Meeting in May. The Chairman shall publicly announce at the meeting the names of the nominees elected.
409. The nominee receiving the greatest number of votes for each particular office shall be declared elected.
 410. In case of a tie vote for any office, the tie shall be resolved by secret ballot at the Annual Business Meeting.
 411. The term of all elected officers, except the Office of Director, shall begin on July 1 and shall run through June 30 of the succeeding year or until a successor has been duly elected and takes office.
 412. The term of Office of Director shall begin on July 1 with a duration of two (2) years ending on June 30. Two Directors will be elected for the term beginning July 1, 1985. The nominee receiving the greatest number of votes shall serve a two year term ending June 30, 1987. The nominee with the next greatest number of votes shall serve a one year term ending June 30, 1986. Henceforth, one Director will be elected each year to serve a two year term of office.

Section 500 - Management and Committees

501. The management of the Section shall be by the Section Executive Committee which shall consist of the Chairman, Vice Chairman, Secretary-Treasurer, Assistant Secretary-Treasurer, the Junior Past Chairman, the two Directors, the Chairman of Each Subsection, and the Chairman of Chapters of Groups and Societies in the Section, and the Chairman of the Student Branch, all of whom shall be voting members. Meetings of the Executive Committee shall be called at such times as may be found necessary by the Chairman or at the request of three members of the Executive Committee. A majority of the voting members of the Section Executive Committee shall constitute a quorum at all meetings of the Committee. A majority vote of Section Executive Committee members present at such meetings shall be necessary in the conduct of its business.
502. The Chairman shall have general supervision of the affairs of the Section under the direction of the Executive Committee. He shall preside at meetings of the Section and Section Executive Committee and shall perform such other duties and have such other powers as may be provided for in these Bylaws, or as may be delegated to him by vote of the Section. In his absence his duties shall be performed by another member of the Executive Committee in the order shown in Paragraph 501.
503. The Secretary-Treasurer shall have the responsibility for sending out notices and for recording the minutes of all meetings of the Section and of the Section Executive Committee. He shall receive and deposit all monies in the name of the Section, and shall make only such

Section 500 - Management and Committees (continued)

disbursements as shall be approved by the Section Executive Committee. He shall make such reports as may be required by the IEEE Bylaws. The Secretary-Treasurer shall keep a permanent record of Section historical data.

504. The Chairman shall appoint the following standing committee: Program, Public Relations, Membership and Transfers, Student Activities, and Yearbook and Publications. He shall appoint such other special committees as may be considered desirable, subject to the approval of the Section Executive Committee.
505. The terms of all committee shall coincide with those of the Section Officers except that special committees whose work may overlap the Section year may have a longer term at the discretion of the Section Executive Committee, but not to exceed two years.

Section 600 - Meetings

601. Section meetings shall be held monthly from September to May, inclusive, upon dates and places recommended by the Program committee and subject to the approval of the Executive Committee. Special Section meetings may be called at any time by the Executive Committee. Meetings of Chapters shall be coordinated with the Program Committee Chairman.
602. Written notice of all Section meetings shall be sent out at least seven (7) days in advance of each meeting. Notice twenty (20) days in advance is required for any meeting at which changes in these Bylaws will be considered.
603. The Section meeting in the month May shall be the Annual Business meeting at which time the newly elected Officers for the Section shall be announced. A report on the activities of the Section for the preceding year, including a financial report, shall be given. Such other business shall be transacted as should properly come before the Annual Business meeting or as the Executive Committee may refer to it.
604. Business requiring vote may be transacted only if a quorum of qualified members is present a duly announced meeting. A quorum at a Section meeting shall be fifteen (15) members or five (5) percent of total Section membership, whichever is greater. A majority of committee members shall constitute a quorum at committee meetings.
605. Meetings of the Section and of the Section Executive Committee shall be conducted in accordance with Roberts' Rules of Order except where they conflict with these Bylaws.

Section 700 - Subsections

701. Subsections may be established within the Section in accordance with IEEE Bylaws.

Section 700 - Subsections (continued)

- 702. The Section Executive Committee shall have authority to define alter the territory of any Subsection within the Section subject to the provisions of the IEEE Bylaws.
- 703. Each Subsection may adopt Bylaws. Such Bylaws and amendments thereto shall be consistent with the IEEE and East Tennessee Section Bylaws and shall be approved by the Section Executive Committee.
- 704. Subsection officers shall be determined by the membership of the subsection but shall be at least a Chairman, a Vice Chairman, a Secretary and a Treasurer. (The Subsection may combine the offices of Secretary and Treasurer in one person.)
- 705. Each Subsection shall submit a budgetary request for funds for each year's operation before funds for that year will be made available by the Section Executive Committee.
- 706. Each Subsection shall submit to the Section Secretary-Treasurer a financial report for the past calendar year as soon after December 31 as practicable and shall submit other financial reports as requested by the Section Executive Committee.

Section 800 - Amendments

- 801. Adoption of these Bylaws or any amendments thereto or revocation thereof shall require affirmative vote of two-thirds of all votes cast at a regular meeting or by mail ballot, provided that notice thereof has been sent to all Section members at least twenty (20) days prior to the taking of such a vote. A copy of the Bylaws, as amended, shall be submitted to the Regional Director for approval.

STATEMENTS OF COMMITTEE DUTIES

PROGRAM COMMITTEE

The duties of the Program Committee are very important. This committee should meet well in advance of the program year, and outline a general program for the ensuing year. It is important to coordinate the meetings of the Section and the Power Engineering Society Chapter at the beginning of the year to determine the number, order, types, and approximate dates of meetings to be scheduled.

This committee is responsible for programs at all general meetings of the Section, including the selection and securing of speakers and arranging for the meetings. Insofar as meetings are concerned the Power Program Committee may be viewed as a functioning subcommittee of the Program Committee. The Program Committee may establish a subcommittee know as "The Entertainment Committee" to work with the Attendance and Fellowship Committee in making arrangements for social activities of the Section at general meetings.

The Program Committee shall be responsible for preparing material for the Section Secretary to mail appropriate meeting notices and for the Public Relations Committee to furnish the newspaper with suitable material on the speakers.

ATTENDANCE AND FELLOWSHIP COMMITTEE

The Attendance and Fellowship Committee shall be responsible for making arrangements for meeting places, and encouraging attendance at meetings.

This Committee is responsible for arranging social meetings during the year such as smokers, ladies night, etc. This Committee works jointly with the Program Committee.

MEMBERSHIP DEVELOPMENT COMMITTEE

This Committee is responsible for securing new members and maintaining existing membership and attempts to contact every electrical engineer in the East Tennessee Section. Each member should be thoroughly acquainted with the membership application form, and be prepared to assist applicants in filling out the forms. Potential members should be invited to attend one or more meetings, with arrangements, with arrangements made to introduce them to fellow engineers.

This Committee shall review the entire membership roster of the Section, ascertain those qualified for a higher grade of membership, pointing out to them the desirability of holding the highest grade for which they qualify. This Committee shall assist the Awards Committee by suggesting names of outstanding members for invitation to grade or Fellow.

The Chairman shall designate committee members to distribute attendance (lapel) cards at all Sections meetings, and see that these cards are filled out and deposited in a central location after the meeting, when they shall be collected and analyzed for potential members.

YEARBOOK AND PUBLICATION COMMITTEE

The Yearbook and Publication Committee is responsible for preparing and distributing the Section Yearbook and any other Section publications.

PUBLIC RELATIONS COMMITTEE

The Public Relations Committee shall be responsible for properly advertising meetings of the Section and for all local publicity on IEEE matters, including releases to the press on IEEE Awards made to Section members. The Chairman shall report periodically to the Section Executive Committee on the activities of his Committee. This Committee should work in close cooperation with the Program Committee in proper advertisement of meetings in local newspapers, with publicity to the speaker as well as the meeting.

The Public Relations Committee should work in close cooperation with the Program Committee in the preparation and mailing of meeting notices to the Section membership from that Committee.

STUDENT ACTIVITIES COMMITTEE

The Student Activities Committee is responsible for Section cooperation with Student Branches and support of student activities within the Section territory, as at The University of Tennessee. The Chairman shall report on student activities to the Section Executive Committee. The Committee should arrange for students to attend Section meetings. Also, this Committee should cooperate with the Awards Committee on student awards and prizes.

AWARDS COMMITTEE

All members of the Awards Committee shall acquaint themselves with full details on all IEEE, Region, Section, and Student Awards, including nominations for IEEE Fellow grade, and take appropriate action for the active participation of the Section in those Awards. The Committee Chairman shall report on the activities of the Committee to the Section Executive Committee.

Recognition of outstanding service and achievement of its members is an important activity of the Section. Recipients will receive framed certificates at the Annual Business Meeting in May. Nominations for these awards are solicited by the Awards Committee. Please contact the Awards Committee Chairman prior to April 30.

The outstanding service award is designed to recognize a member of the Section who has made outstanding contributions of service to the East Tennessee Section. Criteria for consideration include the following: importance of service contribution, committee membership, Section offices held, and years of service distinction. (Service to the Institute and Region is considered of lesser importance since other awards are available for this purpose.) The nominee shall have resided in the Section for at least three years preceding the year of the award consideration and have not received this award during that time.

The outstanding engineer award is designed to recognize a member of the Section who has made outstanding technical and professional contributions to the profession. Criteria for consideration include the following: importance of technical contribution, patents, technical papers and presentations, and years of technical distinction and/or responsible charge. Consideration of Fellows will be based on contributions and achievements made subsequent to obtaining that distinction. The nominee shall have resided in the Section for at least three years preceding the year of award consideration and not have received this award during that time.

Note: The Awards Committee is not required to make a selection on an annual basis if, when in their judgement, nominations are of insufficient calibre. A list of recipients will be maintained and published in the Section Yearbook.

SCIENCE FAIR REPRESENTATIVE

The Science Fair Representative represents the Section in cooperating with the annual Appalachian Science Fair Exhibit.

NATIONAL ENGINEERS' WEEK REPRESENTATIVE

The National Engineers' Week Representative represents the Section in cooperating with N.S.P.E. in National Engineers' Week activities.

PROFESSIONAL ACTIVITIES COMMITTEE

The Professional Activities Committee is responsible for implementing programs relating to professional activities at the Section level.

EDUCATIONAL ACTIVITIES COMMITTEE

The Professional Activities Committee is responsible for implementing programs relating to professional activities at the Section level.

EDUCATIONAL ACTIVITIES COMMITTEE

The Educational Activities Committee is responsible for determining the educational needs and desires of the Section members and the creation of educational activities for the Section.

PROFESSIONAL ACTIVITIES COMMITTEE (PACE)

Pace serves engineers and the IEEE society in three major ways as listed below:

Encourages the provision of Member Services mainly in the form of increased economic benefits, professional stature, and employment security to our fellow engineers; also enhances Public Awareness about the socio-technical issues affecting all American society and about what our own needs as technical professionals are; and involved, as engineers, in Government Action at the local, state, and national levels wherein our technological background and problem solving expertise is made available to the legislative and executive process and/or where we can influence legislation affecting our professional careers.

POWER ENGINEERING SOCIETY

EAST TENNESSEE CHAPTER

The East Tennessee Chapter of the Power Engineering Society is a duly established and recognized unit of the Section membership. The members of the Chapter are those IEEE East Tennessee Section members, of any grade, who are also members of the Power Engineering Society.

The Chapter is charged with the sponsorship of meeting of the Section within the field of interest of the Power Engineering Society, subject to the approval of the Section Executive Committee. It is managed by an Administrative Committee consisting of a Chairman, a Vice-Chairman, a Secretary, the Chairman of all standing committees of the Chapter and, ex officio, the Vice-Chairman of the Section.

The Chapter is required to hold at least two meetings a year in order to maintain its active status. It has representation on the Section Executive Committee and on the Section Program Committee to ensure adequate coordination with the Section activities. While the subject matter at Chapter meetings reflects the technical interests of the Chapter, the meetings are announced to all members of the Section and are open to all members.

LIST OF PAST CHAIRMEN

EAST TENNESSEE CHAPTER

POWER ENGINEERING SOCIETY

C. McCord	1964-1965
J. W. Crabtree	1965-1966
G. Rechniquist	1966-1967
E. Chitwood	1967-1968
J. B. Kelly, Jr.	1968-1969
H. M. Bankus	1969-1970
J. W. Bullin	1970-1971
H. C. Russell	1971-1972
R. A. McInturff	1972-1973
H. B. Rankin	1973-1974
F. W. Symonds	1974-1975
J. L. Blair	1975-1976
J. W. Keller	1976-1977
Marvin Hartley	1977-1978
Bob Crye	1978-1979
Earl Deason	1979-1980
Tom Akos	1980-1981
Don Webster	1981-1982
Trygue Tolnas	1982-1983
Gary Reed	1983-1984
Francis B. Rosenzweig	1984-1985

IEEE - POWER ENGINEERING SOCIETY

EAST TENNESSEE CHAPTER

CHAPTER BYLAWS

Article I - Name

Section 1. The organization shall be known as the IEEE East Tennessee Chapter of the Power Engineering Society.

Section 2. Hereafter "Chapter" shall refer to the organization named in Section 1. "Society" shall refer to the Power Engineering Society, and "Section" shall refer to the East Tennessee Section of the Institute of Electrical and Electronics Engineers.

Article II - Field of Interest and Objectives

Section 1. The field of interest of the Chapter shall be that defined in the Constitution of the Society.

Section 2. The Chapter shall sponsor meetings of the Section within the field of interest of the Chapter, shall provide the necessary personnel for Section committees, and shall assist in any Society symposium or conference held within the Section territory. The Chapter shall be responsible for coordination with the Section on such symposia or conferences.

Article II - Membership

Section 1. The members of the Chapter shall be those Section members of any grade who are also members of the Society.

Section 2. Affiliates of the Society in good standing with mailing address within the territory of the Section shall be Affiliates of the Chapter.

Article IV - Officers and Management

Section 1. The Officers of the Chapter shall be a Chairman, a Vice-Chairman, and a Secretary. They shall be members of the Society and, hold the grade of Fellow, Senior Member or Member.

Section 2. The Chapter shall be managed by an Administrative Committee composed of the officers of the Chapter, the chairmen of all standing committees of the Chapter, and the Vice-Chairman of the Section, or his representative, ex officio. The Administrative Committee may elect by a majority vote additional members from the Chapter. The Administrative Committee shall be responsible for carrying out locally the program of the Society and shall be governed by the actions of the Administrative Committee of the Society. It shall be responsible for making such reports to the Society as may be required by the Bylaws, and for making meetings and financial reports to the Section.

East Tennessee Engineering Society Chapter Bylaws (continued)

Section 3. An Affiliate is eligible to serve only in appointive offices in the Chapter of the Society with which he is affiliated, or as may be authorized by the IEEE Executive Committee.

Section 4. The term of office of all Chapter officers shall be one year coincident with the term of Section officers. The Administrative Committee shall fill vacancies of office occurring during the year.

Section 5. The Chapter shall elect its own officers, except that the Office of Chairman shall be filled by automatic succession of the previous year's Vice-Chairman.

Section 6. At least 75 days prior to the Annual Meeting of the Chapter, the Chairman shall appoint a Nominating Committee which shall prepare lists of candidates for election to the offices of Vice-Chairman and Secretary of the Chapter. This list shall be submitted to the Administrative Committee at least 60 days prior to said Annual Meeting.

Article V - Duties of the Officers

Section 1. The Chapter Chairman shall have general supervision of Chapter in all its activities, shall preside at all meetings of the Chapter per se and of its Administrative Committee, and shall represent the Chapter at all meetings, Sectional, Regional or otherwise, having business or activity embraced by the field of interest of the Society.

Section 2. The Vice-Chairman shall assume the duties of the Chairman during the latter's absence or incapacity, and shall assume any of the duties of the office of the Chairman when so directed by the Chairman.

Section 3. The Secretary shall keep accurate minutes and records for all activities of the Chapter and its Administrative Committee, and shall make such reports as are required by the Section or the Society pertaining to all activities and the financial status of the Chapter.

Section 4. As soon as feasible after election, the Chairman shall appoint the chairman of the following standing committees:

- Membership
- Meetings and Papers
- Publicity and Arrangements

Section 5. Annually elected officers and other members of the Administrative Committee shall assume office concurrently with the newly elected officers of the Section.

Section 6. No Chapter or any officer or representative thereof shall have the authority to contract debts for, pledge the credit of, or in any way bind the Section, Society, or the IEEE.

East Tennessee Power Engineering Society Chapter Bylaws (continued)

Article VI - Standing Committees

Section 1. The Membership Committee shall encourage and promote Chapter membership consonant with membership requirements of the Constitution and Bylaws of the Society, and shall keep a current list of members in good standing in the Chapter.

Section 2. The Meetings and Papers Committee acting as part of the corresponding Section Committee, shall promote all meetings of the Chapter and of the Section, except those expressly otherwise provided for, and shall procure such papers and speakers for proper coverage of the Chapter field of interest as evidenced by the needs and requests of Chapter members. The Committee, acting for the Society, shall promote for publication such papers as appear to be in the interest of the Society members.

Section 3. The Publicity and Arrangements Committee shall be responsible for all publicity of the Chapter to keep the Section members informed of Chapter activities, and as such act in liaison with corresponding committees at Section, Regional, and Institute levels in order that the overall publicity of the IEEE be served best. It shall arrange, as part of the corresponding Section committee, for all meeting places and required facilities.

Section 4. Each committee shall be headed by a Chairman, and shall have the power to divide its work or create a subcommittee of its own selection.

Article VII - Meetings

Section 1. The Chapter shall be required to hold not less than two meetings a year. All technical meetings sponsored by the Chapter shall be open to all Section members and to Affiliates of the Chapter. The Chapter shall hold no such meetings without approval by the Section or by a responsible committee thereof. Notices of technical meetings promoted by the Chapter shall be sent to members and Affiliates of the Chapter.

Section 2. Each Chapter member and Affiliate so recognized shall receive notice regarding meetings, symposia, conferences, conventions, and other pertinent functions and activities of the Society.

Section 3. An Affiliate shall be entitled to attend and participate in activities of the Society by payment of the same charges as IEEE members.

Section 4. The Annual Meeting of the Chapter shall coincide with that of the Section.

Section 5. The Administrative Committee of the Chapter shall hold meetings at such times as are deemed necessary to carry on the management of the Chapter. The minimum number of meetings annually shall be one. Meetings of the Administrative Committee may be called by the Chapter Chairman at his discretions, or shall be called upon request of two of its members.

East Tennessee Power Engineering Society Bylaws (continued)

No meeting shall be held unless all members of the committee shall have been notified of the time and place two days in advance of the meeting.

Two-thirds of the Administrative Committee shall constitute a quorum, and a plurality vote of members attending a meeting shall be necessary to conduct business unless otherwise provided to the contrary.

Article VIII - Financial Support

Section 1. The Chapter shall administer and have authority over only such funds as are (1) budgeted for it by the Section Executive Committee or (2) given to it by the Society through the Section Secretary-Treasurer.

Article IX - Nominations and Elections

Section 1. The Nominating Committee appointed pursuant to Article VI, Section 4, shall make its report to the Administrative Committee. The Administrative Committee shall notify Chapter members of the nominations 30 days prior to the Annual Meeting. The nominations shall contain at least one name for each of the offices, and may contain additional names for the Administrative Committee. No name of any candidate shall be presented without his prior consent. Nominations by Chapter members may be made by write-in votes.

Section 2. The members of the Chapter shall elect annually the Chapter officers from the Chapter membership. Election shall be by mail ballot at least one week prior to the Section Annual Meeting. A plurality of votes cast shall elect. The Administrative Committee or its designees shall constitute a Tellers Committee.

Section 3. An Affiliate cannot serve in an elective office in the Chapter nor vote for candidates for these offices unless authorized by the IEEE Executive Committee.

Article X - Amendments

Section 1. Amendments to these Bylaws may be initiated by a majority of the Chapter Administrative Committee or by petition bearing fifteen signatures of Chapter members. A two-thirds vote of the Chapter Administrative Committee shall be required to approve proposed amendments for submittal to the Section Executive Committee for final approval.

ALL CHANGES in the Bylaws must be consonant with the Constitution and Bylaws of the IEEE, the Society, and the Section.

ARCHIVAL INFORMATION

This section of the yearbook is devoted to maintaining information on the Section which may of otherwise been lost. During the 1984 publication a committee was formed to research the Section Archives for information on the history of the Section. At publication time the following list of officers and committee chairmen was available. It is anticipated that this Section will grow as more information is found in the East Tennessee Section.

INSTITUTE ELECTRICAL AND ELECTRONICS ENGINEERS
EAST TENNESSEE SECTION
PARTIAL LIST OF OFFICERS AND COMMITTEE CHAIRMEN

YEAR

1950-51
1951-52
1952-53
1953-54
1954-55
1955-56
1956-57
1957-58
1958-59
1959-60
1960-61
1961-62
1962-63
1963-64
1977-78
1978-79
1979-80
1980-81
1981-82
1982-83
1983-84
1984-85

VICE-CHAIRMAN

Fred J. Baker
Mead Warren, Jr.
J. Warren Roberts
Frank Cross
Volney J. Cissna
Hugh C. Sells
M. Stephens Merritt
L. E. Marshall
Fred Chambers
P. R. Andrews
C. A. Duke
John A. Brown, Jr.
Charles H. Cain
H. E. Church
Joe Gogge
Claud Harvey
Richard Mallicote
Don Bouldin
Ben Lamb
Paul Micale
Reece Roth
Richard F. Keck

SECRETARY-TREASURER

1950-51 John W. Crabtree
1951-52 W. M. Stanley
1952-53 Claiborne L. Pittman
1953-54 Leonard J. Munson
1954-55 Thomas A. Pearson
1955-56 Frank W. Smith
1956-57 Jack Witherspocn
1957-58 J. C. Barker
1958-59 H. C. Nichols
1959-60 H. C. Nichols
1960-61 W. M. Clark
1961-62 John W. Chadwick, Jr.
1962-63 J. D. Tillman
1963-64 J. D. Tillman, Jr.
1977-78 Jane Black
1978-79 Richard Mallicote
1979-80 Don Bouldin
1980-81 Ben Lamb
1981-82 Ben Lamb
1982-83 Jack Lawler
1983-84 Richard O'Donnell
1984-85 Ray McKnight

ASST. SECRETARY-TREASURER

W. M. Stanley
Claiborne L. Pittman
Leonard J. Munson
Thomas A. Pearson
Frank W. Smith
Jack Witherspocn
J. C. Barker
H. C. Nichols
F. Atkinson
W. M. Clark

J. L. Roach, Jr.
Vacant
John E. Holladay
Richard Mallicote
Don Bouldin
Ben Lamb
Glen Thompson
Jack Lawler
Richard O'Donnell
Ray McKnight
M. Don Trudle

DIRECTORS

1950-51	G. N. Hughes, Henry E. Williams, O.S.C. Hammer
1952-53	Fred J. Baker, W. M. Stanley, John W. Crabtree
1954-55	J. Warren Roberts, Fred Chambers, W. O. Leffell
1955-56	Frank Cross, G. E. Farmer, W. T. Zumwalt
1956-57	Volney T. Cissna, O.S.C. Hammer, J. W. Crabtree
1957-58	H. C. Sells, J. C. Buchanan, L. J. Munson
1959-60	L. E. Marshall, J. R. Barnwell, M. L. Rockfield
1961-62	P. R. Andrews, Paul H. Shoun, W. L. Parham
1962-63	Paul C. Cromwell, William Paynter, Jr., Lester R. Sellers
1963-64	John A. Brown, Howard Dycus, Clarence H. Mock
1977-78	Jim Boehms, Raymond Rochat
1978-79	William Dainwood, Fred Symonds
1979-80	Fred Symonds, Jim Blair
1980-81	Pete Peterfreund, Earl Deason
1981-82	Fred Symonds, Raymond Rochat
1982-83	Reece Roth, Tom Akos
1983-84	Don Bouldin, Jane Black
1984-85	Pete Peterfreund, William Dainwood

COMMITTEES:MEETINGS AND PAPERS (PROGRAM)

<u>YEAR</u>	<u>CHAIRMAN</u>	<u>VICE-CHAIRMAN</u>
1950-51	Mead Warren	D. M. Brown
1952-53	W. M. Clark	Clyde S. Shipley
1954-55	John A. Brown	Iley M. Barns
1955-56	Iley M. Barns	Richard R. Lewis
1956-57	Richard R. Lewis	Paul H. Shoun
1957-58	Paul H. Shoun	Paul C. Cromwell
1959-60	John P. DeLong	A. M. McNerney
1961-62	Paul H. Merriman	John W. Crabtree
1962-63	John W. Crabtree	
1963-64	Richard R. Lewis	

PRIZE PAPERS

1950-51	P. C. Cromwell	R. A. Merrill
1952-53	H. E. House	R. Bruce Shipley
1954-55	Stanley Y. Merritt	R. G. Obrecht
1955-56	R. G. Obrecht	Ralph Harder
1956-57	James E. Goff	W. R. New
1957-58	Wm. R. New	J. E. Goff
1959-60	Godwin Williams	J. P. Treis
1961-62	Paul H. Shoun	M. L. Rockfield
1962-63	Campbell McCord	

TECHNICAL GROUPS

1950-51	M. C. Charles	Charles M. Lang
1952-53	J. L. Roach	Frank W. Smith
1954-55	Richard R. Lewis	Paul Shoun
1955-56	Paul Shoun	Joe P. Treis
1956-57	Joe P. Treis	C. Ray Goodroe
1957-58	Fred Chambers John A. Crowder	
1959-60	J. R. Barnwell	H. A. Taft
1961-62	James W. Southerland	Raymond A. Rochat
1962-63	Roby Hartley	
1963-64	Martin L. Hartley	

FELLOWSHIP AND ATTENDANCE

1950-51	C. V. Poling	Jack Anderson
1952-53	W. L. Parham	Owen S. C. Hammer
1954-55	Hal C. Nichols	B. H. Martin
1955-56	W. M. Stanley	John Buchanan
1956-57	J. C. Buchanan	Thos. W. Landrum
1957-58	Thos. W. Landrum	M. L. Rockfield
1959-60	Ray North	M. D. Belding
1961-62	John R. Sweets, Jr.	Hal C. Nichols
1962-63	Hal C. Nichols	
1963-64	N. V. Shamblin	

COMMITTEES (continued)COMMUNICATIONS

<u>YEAR</u>	<u>CHAIRMAN</u>	<u>VICE-CHAIRMAN</u>
1950-51	H. E. Church	T.E. Harris, Jr.
1952-53	Ralph Harder	M. B. Clayton
1954-55	Willard W. Bedwell, Jr.	John W. Fike
1956-57	Roy Nex	John Donelson, Jr.

PUBLICITY

1950-51	C. E. Tartwater	Iley M. Barnes
1952-53	M.D. Belding	J.T. Moroney
1954-55	M.D. Belding	A.M. Razovsky
1955-56	A.M. Razovsky	M.D. Belding

MEMBERSHIP

1950-51	R. G. Obrecht	J. P. Treis
1952-53	Alan Razovsky	J. T. McLaughlin
1954-55	C. V. Poling	M. S. Merritt
1955-56	W. M. Stanley	Robert Embry
1956-57	Fred A. Hoeke	Harry St. Clair
1957-58	R. K. Buffett	Fred A. Hoeke
1959-60	P. H. Shoun	Campbell McCord
1961-62	Albert C. Kelley, Jr.	H. E. Church
1962-63	H. E. Church	
1963-64	Graham W. Hoffman	

TRANSFERS

1950-51	John Porter Gillespie	Richard M. Ferrill
1952-53	Fred G. Stewart	Henry F. Corden
1954-55	L.E. Marshall	C. P. Almon, Jr.
1955-56	C. P. Almon, Jr.	B. Painter
1956-57	Wm. Paynter, Jr.	C. P. Almon, Jr.
1957-58	C. A. Duke	Wm. Paynter, Jr.
1959-60	C. Ray Goddroe	Wm. Paynter Jr.
1961-62	James R. Barnwell	Wm. Paynter, Jr.
1962-63	Wm. Paynter, Jr.	
1963-64	Lester R. Sellers	

COMMITTEES (continued)PLANNING

<u>YEAR</u>	<u>CHAIRMAN</u>	<u>VICE-CHAIRMAN</u>
1950-5	H. E. House	M. S. Merritt
1952-53	G. N. Hughes	H. O. Murphy
1954-55	Fred A. Hoeke	K. E. Hapgood
1955-56	K.E. Hapgood	R. W. McEver
1956-57	Mead Warren	W. M. Stanley
1957-58	W. M. Stanley	Frank Cross
1959-60	T. M. Swingle	Frank Cross
1961-62	James R. Barnwell	Wm. Paynter, Jr.
1962-63	Frank Cross	
1963-64	Philip R. Andrews	

STUDENT GUIDANCE AND ACTIVITIES

1951-52	V. K. Yagodkin	C. A. Duke
1952-53	W. O. Leffell	James R. Barnwell
1954-55	Luther Ricketts, Jr.	G. E. Farmer
1955-56	G. E. Farmer	J. F. Pierce
1956-57	Charles H. Weaver	Frank W. Smith
1957-58	F. W. Smith	John Crowder
1959-60	B. H. Martin	Charles H. Cain
1961-62	W. A. Campbell	John P. Delong
1962-63	John P. Delong	
1963-64	William P Winstead	

YEAR BOOK

1950-51	J. W. Crabtree	John D. Sharp
1952-53	C. L. Pittman	S. E. Lyons
1954-55	Thomas A. Pearson	L. J. Munson
1955-56	L. J. Munson	James Wilson
1956-57	James Wilson	L. J. Munson
1957-58	W. R. Gilkeson	Thomas A. Pearson
1959-60	Robert C. St. Clair	James Wilson
1961-62	Leonard R. Smith	James W. Wilson
1962-63	James W. Wilson	
1963-64	George Rehnquist	
1980-81	Don W. Bouldin	
1983-84	Robert L Spreng	
1984-85	Robert L. Spreng	

COMMITTEES (continued)HISTORICAL

<u>YEAR</u>	<u>CHAIRMAN</u>	<u>VICE CHAIRMAN</u>
1950-51	L. E. Marshall	R. B. George
1952-53	L. E. Marshall	R. B. George
1954-55	L. E. Marshall, Jr.	J. W. Southerland
1955-56	L. E. Marshall, Jr.	J. W. Southerland
1956-57	L. E. Marshall, Jr.	J. W. Southerland
1957-58	J. W. Southerland	J. W. Crabtree
1959-60	J. W. Southerland	J. W. Crabtree
1961-62	Robert C. St. Clair	Charles H. Cain
1962-63	Howard Dycus	
1963-64	A. A. Guldi	

PUBLIC RELATIONS

1956-57	M. D. Belding	O. S. C. Hammer
1957-58	O. S. C. Hammer	M. D. Belding
1959-60	D. H. McLean	M. D. Belding
1961-62	Louis B. Marks	John E. Holladay
1962-63	John E. Holladay	
1963-64	Roy C. Nix	

PROFESSIONAL

1962-63	Fred S. Vreeland
1963-64	James Ed Goff

AIEE-IRE MERGER

1962-63	James D. Tillman
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SCIENCE FAIR REPRESENTATIVE

1962-63	Bradley M. Maxwell
1963-64	Bradley M. Maxwell

NATIONAL ENGINEERS' WEEK REPRESENTATIVE

1962-63	J. L. Wilbanks
1963-64	Wesley M. Haynes

BYLAWS

1963-64	Hal C. Nichols
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MEMBERSHIP ROSTER

(An alphabetical list of all members)

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