



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

INCORPORATED

BOX A, LENOX HILL STATION
NEW YORK 21, N. Y.

February 15, 1965

B A L L O T

No minees for election to Membership on the Administrative Committee of the IEEE Electromagnetic Compatibility Group

FIVE (5) to be elected for the term 1965 - 1968

INSTRUCTIONS: Vote for five (5) only, and return the ballot on or before March 15th in the enclosed envelope.

Names are listed alphabetically. Brief biographical sketches are attached.

Stanton A. Bennett

William Lash

John A. Eckert

John W. McDonald, Jr.

Rupert L. Haskins

John J. O'Neil

James S. Hill

A. T. Parker

William Johnson

Richard B. Schulz

E. V. Kavanaugh

Leonard B. Thomas

James C. Klouda

James C. Toler

James J. Krstansky

Franklin W. Yazombek

Enc. Biographies & Return Envelope

BIOGRAPHIES

STANTON A. BENNETT - BSEE University of Michigan

Electronic Staff Member Radiation Laboratory (MIT) 1943-1946.

Navy Civilian Electronics Engineer with the Bureau of Yards Docks since 1949, specializing in electromagnetic compatibility problems associated with Naval Communication Centers. Bureau Consultant Electronics from 1954.

Membership and Affiliations:- IEEE-G-27; Registered Professional Engineer, Washington, D. C. ; Member of the American Standard Association C-63 Group; special electromagnetic interference consultant for the Navy Radio Astronomy project; U. S. member to CISPR Conferences at London, Frankfurt, Philadelphia, and Stockholm. Member of the Dept. of Defense Frequency Allocation Advisory Board.

JOHN A. ECKERT - A-46, M-53, SM-62, BSEE 1949

Mr. Eckert is, and has been, very active in the field of EMC as he recognized the need for year round exchange on technical information in this field. In late 1955 and early 1956, he organized a technical group on the West Coast and served as the first chairman. This Group's objectives were to (1) educate and exchange technical information on RFI and (2) advance the science of RFI control. This Group was called the Radio Interference Technical Committee (RITC). In 1956, a group of Engineers on the East Coast tried to organize a similar Group, but were not successful until 1957 when they were officially established under the IRE. Under the IRE, with world-wide dissemination of technical information, Mr. Eckert organized and formed the Los Angeles IRE Professional Group Chapter and was elected Chairman of this new group in 1961. Also, he had the responsibility of being the technical program chairman for the Sixth National EMC Symposium held in Los Angeles 1964.

RUPERT L. HASKINS graduated from Wentworth Institute, Boston, Mass. 1924. Engineer and Chief Engineer Radio Interference Division, Tobe Deutschmann Corporation, Canton, Mass. , 1928 - 1940. Senior Radio Interference Engineer Ship Installation and Maintenance Branch, Bureau of Ships, 1951-1959. Present time Head, Radio Interference Section, Radio Physics Branch, Naval Research Lab. , Wash. , D. C. , G-EMC Chairman, Washington, D. C. Chapter, 1963-64.

JAMES S. HILL - Senior member IEEE, BSEE Case Institute of Technology. Member Administrative Committee G-EMC; Secretary, 1964-65. Chairman, Washington Chapter, 1959-60. Chairman, Second National Symposium on Radio Frequency Interference, 1960. Chairman Akron Section, 1950. Vice Chairman Cleveland Section, 1958. He joined WHK, Cleveland in 1934, became chief engineer of WHKK, Akron, in 1944, and in 1950 took charge of a propagation survey sponsored by the National Bureau of Standards. In 1953, he joined Smith Electronics to engage in coverage and survey measurements of AM, FM, and TV stations; FCC certification of induction and dielectric heaters and industrial electronic equipment; qualification testing of electrical, electronic, and mechanical equipment to meet military specifications regarding radio interference measurement and study programs. At present, he is a consultant in the

fields of communication and electromagnetic compatibility.

WILLIAM F. JOHNSON - BEE Georgia Tech.

Born - February 11, 1934

Member: IEEE - G-EMC (Chicago Chapter)
SAE - EA-4 Committee on EMC
EIA - M-5. 8 Committee on EMC
EIA Management Committee on Inductive Components (Filters)

Entered the EMC field in 1952 with The Potter Company and has been with them since, except for three (3) years in the U. S. Army, stationed in Germany as Commanding Officer of the 7th Army Data Communication Network.

Held the following positions with the Potter Company:

Project Engineer; Manager of EMC Test Laboratory, Skokie, Illinois, Manager of West Coast Operations; and now Director of Engineering of The Potter Company.

E. V. KAVANAUGH - M'58, has been engaged in the control of EMI for 22 years and is at present Member of the Technical Staff, Engineering Integration Lab., Space Technology Labs. For 14 years Mr. Kavanaugh was with the Army Signal Research and Development Labs., Fort Monmouth, N. J. later joining the Filtron Co. West Coast Division occupying the position of Director of Systems Engineering for 16 years. Mr. Kavanaugh has been a member of many boards and committees some of which are listed below:

Member of ASA sub-committee
Member SAE Committee
Member Interference Reduction Panel
Research & Development Board
Department of Defense

JAMES C. KLOUDA - BSEE, IIT 1950 - Director of Research and Engineering (Elite). Mr. Klouda has over thirteen years of experience in electromagnetic compatibility problems dealing with radio interference reduction and testing of all types of electronic and electrical equipment. He has worked on special projects dealing with conducted radio interference measurements between the frequency range 14KC to 1000 MC. His RFI experience covers electrical equipment. His practical experience in making measurements to these various specifications has given him a thorough knowledge of the various problems existing in these specifications. He has written three technical papers on subject of RFI. Affiliations: Registered Professional Engineer in the state of Illinois. Member of Institute of Radio Engineers, Subcommittee 27.1 concerning shielding effectiveness tests on shielded enclosures. Member of Illinois Society of Professional Engineers and National Society of Professional Engineers.

JAMES J. KRSTANSKY - BSEE 1952, is presently the Manager of Electromagnetic Compatibility Section of the Electronics Research Division at IITRI. In this capacity he is supervising and contributing to programs relating to broad aspects of electromagnetic compatibility. He has participated in numerous research and development programs in EMC prior to his present position. He is the author or co-author of twelve technical papers in the area of EMC, and has participated as an instructor of two courses on EMC. He was instrumental in organizing an EMC course presented by the Chicago Chapter in 1964.

He is a member of IEEE and G-EMC and helped to organize the Chicago Chapter G-EMC of which he was Secretary in 1961-62 and Chairman in 1962-63. He was the Chairman of the Tenth Tri-service Conference on Electromagnetic Compatibility and is the current Chairman of the Nominations Committee G-EMC. He is also a member of the American Association for the Advancement of Science.

WILLIAM LASH - M'60, attended National Schools in Los Angeles and after graduation, remained as an instructor from 1948 to 1950. In 1950, he was employed by Cole Instrument Company of Los Angeles as Instrument Specialist, where he designed electrical and electronic test equipment and instruments. From 1953 until the present, he has been employed as an engineer by the Douglas Aircraft Co., Inc. He started as a Systems Specialist at the Long Beach Division of the company, working on the various military transport and bomber programs (C-124, C-133, RB & B-66). He directed much of the first article interference testing on these aircraft, as well as the required rework to insure specifications compliance. In 1956, he transferred to the Missiles and Space Systems Engineering Dept. of the Santa Monica Division and worked on various missile programs before joining the Electrical Staff as a Component Specialist. He is presently the Electromagnetic Compatibility Group Engineer in the Space Communication Systems Section of the Space Systems Engineering Dept.

Mr. Lash is a past-chairman of the G-EMC, Los Angeles District, past President of the Douglas Santa Monica Amateur Radio Club and was a charter member of the Radio Interference Technical Committee (RITC). He also is a member of the Co-operative Interference Committee of Los Angeles and has served on the Executive Committee of the Aerospace Electrical Society (AES).

JOHN W. MC DONALD, JR - A'62, is a graduate of the Navy Electronic Schools at Texas A&M College and Corpus Christi, Texas. He was an instructor in the Navy's Airborne Electronics School. Upon completion, he was employed as a Contract Field Engineer. During this period, he was attached to the Headquarters First Air Division, where he supervised Air Force personnel in the installation and maintenance of electronic equipment on the B-29 Bombers and assisted in instructing and setting up an electronic ground school. Later on, he was assigned to the Electronics Office of the Ninth Naval District as a supervisor of field engineers and as an assistant to the head of the planning department. He directed the work of the engineering department in the layout and design of communications and radar facilities, and other electronic projects. In 1952, Mr. McDonald joined the E. F. Gorman Company as a Sales Engineer and traveled nationally in the sales of shielded enclosures for the ACE Engineering & Machine Co. In 1953, he joined the staff of the Shielding Sales Agency as Sales Engineer. Later when this company merged with Shielding, Inc. he became Sales Manager; in addition, he assisted in the design testing, and engineering of improved shielding enclosures and allied products. From 1956 to 1959 he was Vice President of Shielding, Inc. in charge of Engineering and Administration. In 1959, he became President of Shielding, Inc. until the latter part of 1962 when he resigned to start his own Sales Representative business in the California area specializing in representing firms in the RFI/EMC field at the present time.

Mr. McDonald has been an Associate Member of the IEEE since 1962. He was appointed Membership Chairman of the EMC Group, Los Angeles District for 1963-64, and was reappointed to the same office for 1964-65.

JOHN J. O'NEIL received his electrical engineering education at Lawrence Institute of Technology. He has been actively concerned with the problems of radio interference since 1939, when he was employed as engineer-in-charge of auto-radio installations at Lincoln Motor Division of Ford Motor Co. Since 1942, he has been employed by U. S. Army Electronics Labs. in the electromagnetic compatibility area, and is responsible for one of the first handbooks on radio interference reduction. "Radio Interference Suppression Techniques," published in 1953, and many other booklets, pamphlets, etc., on the subject. In addition, he is responsible for many of the RFI specifications used by the Dept. of the Army.

He is a senior member of the IEEE; editor of Monmouth subsection (IEEE) publication, "The Scanner" author of numerous papers; U. S. Delegate to CISPR (International Electro-Technical Commission on Radio Interference) and presently Deputy Director, Electromagnetic Environment Division.

A. T. PARKER - A'44, M'45, was educated in St. Louis, Missouri and completed extra curricular courses in Chicago. For ten years, he engaged in communications receiver design and aircraft systems design at Bendix Radio Division in Baltimore. Another thirteen years as Chief Engineer of Stoddart Aircraft Radio, Inc. in Hollywood merged his extensive receiver design background with the specialized instrumentation requirements in the RFI measurement field. For the last four years, he has successfully carried on two businesses in Hollywood. One of these is engaged in the manufacture of transistorized devices in a variety of fields. The other is that of Consulting Engineer in the communications field with particular emphasis on electromagnetic systems compatibility and RFI advisory services.

Mr. Parker is a Member of IEEE and he has held the office of Secretary/Treasurer Vice Chairman, and Chairman of G-EMC Los Angeles District.

Mr. Parker has been on the ASA subcommittee C-63, American Delegate the CISPR 1953 Planary Session in London, Subcommittee on SAE-RFI subgroup, and one of the founders of RITC.

RICHARD B. SCHULZ received a Bachelor of Science degree in Electrical Engineering from the University of Pa. in 1942 and an MSEE in 1951. He has completed graduate courses equivalent to Ph. D. requirements.

Prior to joining Boeing, he developed a laboratory standard RFI meter at the Univ. of Pa. Later, he was a consultant engineer in electrointerference research, development, design, and specification testing. His company, known as Electro-Search under various government contracts, designed shielding installations, tested shielding, and made field surveys of electrointerference at Naval establishments.

In 1955, he joined the Armour Research Foundation (now IIT Research Institute) as program development coordinator for electrical engineering research. His technical efforts include development of electrointerference field intensity instrumentation. This also included efforts as a project engineer on development of satellite RFI instrumentation.

He joined the Unite Control Corp. in 1961 as Chief of the Electro-Interference Section where he was directly engaged in the Electrointerference aspects of the Minuteman weapon system. Mr. Schulz joined the Boeing Co. in 1962 as staff engineer in Aero-Systems Technology, where he was engaged in microelectronics and electromagnetic compatibility activities. He is now Chief of Electrocompatibility and Microavionics Unit in the Airplane Division.

He is a registered professional engineer and has been active in both national and local technical organizations. Presently, he is Treasurer of the Seattle Section of the IEEE and has been active in the G-EMC both as past Chairman of the Seattle Chapter, and as a former member of National Administrative Committee. He was a member of the IRE Subcommittee 27.5 on standards for measuring shielded enclosures, 1958 to 1963, and the American Standards Committee C63 on radio interference, 1960-61. He is a member of Tau Beta Pi, Eta Kappa Nu, and Sigma Tau honorary societies.

Mr. Schulz is the author or co-author of 25 technical papers on electro-compatibility topics and has a text book on this subject in preparation.

LEONARD W. THOMAS - BSEE, Alabama Polytech Inst., Auburn, Ala. 1931

Experience: 1931-32 Radio Technician, Birmingham, Alabama

1932-1937 Radio Engineer, Radio Station WAPI, Birmingham, Ala.

1937-1939 Radio Operator-Technician, Police Dept. " "

1939-1942 Radio Engineer, CBS Station WJSV, Washington, D. C.

1942-1961 Electronics Engineer, Bureau of Ships, Navy Dept., Wash, DC

1961-Present Staff Electronics Engr, Plans & Programs Directorate,
Electromagnetic Compatibility Analysis Center,
Annapolis, Md.

Author of numerous papers on Radio Interference and Electromagnetic Compatibility.
Member IRE 1945, Senior Member IRE 1952.

" Group (IEEE) on Electromagnetic Compatibility

" IEEE Group Subcommittee 27.5

" TASK Group, IEEE Subcommittee 25.1

" American Standards Assoc. Sectional Committee C63 (1944 to present)

" USA Delegations to Intern'l Special Committee on Radio Interference
(CISPR) Meetings, 1946 - 1960.

" American Society of Naval Engineers

Associate Member, The Institution of Elec'l Engrs.

JAMES C. TOLER was graduated from the University of Arkansas in 1958. Joined Temco Missiles & Electronics, Dallas, Texas, as a Test Engineer in the Electronics Environmental Test Laboratory. Performed Functional and environmental tests on missile components and systems over a two and a half year period of time.

Moved to Huntsville, Ala. in 1960 with Chrysler Corp. and worked as an RFI Engineer assigned to the Quality Division, Marshall Space Flight Center (MSFC). Joined Civil Service (MSFC) in 1961 as Chief, EMI Unit, Quality Div. In 1962, became Chief, EMI Section, Quality & Reliability Assurance Lab. MSFC. Since 1961, efforts have been oriented toward planning and directing EMI/EMC work in the fields of space vehicle checkout, research and development programs, and shielded room testing. Presently serves as Chairman, EMI Subgroup, Saturn Systems Checkout Working Group; is a member of the EMC Subpanel, Apollo Instrumentation and Communications Panel, and is interim Vice-Chairman, Huntsville Chapter of G-EMC IEEE. Three papers have been authored and presented at national conferences and two papers to local professional societies.

FRANKLIN W. YAZOMBEK, Lead Engineer, holds a BS degree in TV Engineering from the American Television Institute of Technology, and has taken course work toward a MSEE degree at the Illinois Institute of Technology. He is a charter member of the Society of American Value Engineers and currently, he is the Vice President and Program Chairman of the Chicago Chapter, which he founded. He is a member of IEEE and also G-EMC which he founded. Currently, he is the chairman of the Chicago Chapter of G-27.

He was instrumental in spearheading the EMC training course which was presented at University of Illinois' Navy Pier in the Fall of 1964.

Currently, Mr. Yazombek is the Value Engineering Group Leader and is responsible for implementation of Value Engineering. He is also responsible for all EMI control in this Division of ITT.

Mr. Yazombek is consulted on most EMI problems within ITT Kellog and has been called into the field to assist other ITT divisions. He has consulted on occasions by EMC consulting-engineering firms because of his wide experience.

While associated with Admiral Corporation, he designed a number of circuits for TV receivers and military radio. He pioneered UHF television conversions and tuners, printed circuitry for TV and RF interference concepts for military communications. In addition, he was active in the development of color television. He is co-assignee of a patent pertaining to the principles of satellite radio communications and is the designer of a pocket size radio transmitter for military rescue applications.