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July 28, 1967

To: All Members - IEEE Electromagnetic Compatibility  
Group

Subject: Election of Administrative Committee Members for  
Three Year Terms Beginning January 1, 1968 to  
December 31, 1970

The G-EMC Bylaws provide that five new members shall be elected annually to the Administrative Committee. The 13 nominations listed on the enclosed ballot card were submitted by the Nominating Committee and biographical sketches are attached. Candidates are listed in alphabetical order no preference is intended.

Please vote for FIVE and return this ballot at once in the enclosed envelope. Ballots must be received at IEEE Headquarters not later than August 31 in order to be counted.

Encs.

B. LEONARD CARLSON, JR., Research Engineer with the Missile and Information Systems Division, The Boeing Company, Seattle, Washington. He has a BSEE from Oregon State University, 1958. His Boeing experience includes EMC Staff assignments on the Bomarc, Minuteman, Dynasor and AGM-69 Programs. He presently is a Group Leader for the EMC Staff - Minuteman Program.

His IEEE activities include Past Seattle Section Speakers Bureau Chairman, and past Registration Chairman for the 1961-7th Regional IEEE Conference, as well as membership in the Engineering Management Group. His EMC Group activities include Past Chairmanship of the Seattle EMC Chapter, as well as being past Vice-Chairman and past Program Committee Chairman.

He is presently the Treasurer for the 1968 National EMC Symposium to be held in Seattle.



HERMAN GARLAN received his B. S. from C. C. N. Y. in 1929, his M. S. from C. C. N. Y. in 1932 and the EE from Columbia in 1936. He has been with the Federal Communications Commission from 1940 to present. From 1940 to 1943 he was a field engineer, FCC Chicago Office. From 1943 to 1944 he was a security officer FCC Chicago Office. From 1945 to 1952 he was an engineer, public safety division, Washington, D. C., working on applications for license, technical standards for equipment, frequency allocation problems. From 1952 to 1954 he was an engineer, Equipment Standards Branch, Office of the Chief Engineer, working on coordinating technical standards for equipment among the various services. From 1954 to present he is Chief, RF Devices Branch, Office of the Chief Engineer, responsible for FCC program to control RFI for ISM equipment and restricted radio devices-develop standards, measurement techniques, rule-making, etc.

Mr. Garlan has been an author and co-author of a number of papers dealing with FCC activities in RFI, including a paper on "Evolution of Regulatory Standards of Interference", Proc. IRE May 1962.

He has been a U. S. Representative on WG 2 (ISM) of International Special Committee on Radio Interference (CISPR). Member of U. S. Delegation to CISPR Plenary Assemblies in 1958 (The Hague), in 1961 (Philadelphia) and in 1964 (Stockholm). Mr. Garlan is a member of G-EMC Administrative Committee 1960-1966, Chairman of Administrative Committee 1962-1963 and Vice-Chairman of Second (1960) and Third (1961) National PGRFI Symposium on RFI.



FRANK E. HAMELL is presently the Senior EMI Engineer for the Defense Space and Special Systems Group at Burroughs Corp., Paoli, Pennsylvania. He was formerly EMI Control Engineer for the Reentry Systems Department, General Electric Company. Having an excess of 15 years experience in RF measurements, he has spent the last 9 years in electromagnetic interference control.

He was past chairman of the Philadelphia Chapter of the IEEE Group on Electromagnetic Compatibility and has served on the Steering Committee of the 5th National Symposium on EMI (1962). Mr. Hamell received a B. S. degree with a major in Electrical Engineering from Drexel Institute of Technology.



CHARLES D. JOLY graduated from the University of Virginia, Charlottesville, Va. in 1957 with his BSEE. In 1948 he spent 6 months in the U. S. Navy and Marine Corps Electronics Schools. In 1960 he joined Honeywell Inc., and has been the facility manager since 1962. As facility manager he is responsible for engineering management and contract administration of EMI-oriented facility.

From 1959-1960 he was Group Leader at Engleman and Co., Washington, D. C. He performed environmental studies of field intensity, radiation patterns and inter-system compatibility of heavy ground radar transmitters and receivers in the 1 to 10 KMC range. Made radio interference predictions and analysis for equipments under study. Wrote technical reports detailing results of these studies.

From 1957 to 1959 he was an engineer at National Scientific Labs., Washington, D. C. He established requirements for siting and installation of SAGE system line-of-sight microwave transmitters and receivers. In addition established technical writing and reporting standards for Headquarters, GEELA. Mr. Joly served as member of the Military Assistance Advisory Group to the German Army establishing 5th echelon maintenance and repair procedures for implementation at German Signal Depots.

In 1957 Mr. Joly was a design engineer at Hughes Aircraft Corporation, Los Angeles, California. Test equipment design engineer engaged in design of system and quality control test sets for Hughes E9 and MA-1 series fire control radars. In 1948 through 1952 he was in the U. S. Marine Corps. Responsible for siting and maintenance of VHF terminal and relay equipment while in Korea. Instructor in Marine Corps. Electronics School teaching carrier techniques and radio relay.



BERNARD G. KUHSE has been associated with the EMI phase of the electronics industry for eight years. He has had the responsibility of suppressing electronic/electrical systems and equipments to meet several of the existing Military Specifications. Presently Mr. Kuhse is Manager of Sprague Electric Company's Midwest Development Center, Vandalia, Ohio where EMI suppressors are developed and produced for Sprague's Midwest customers.

Mr. Kuhse has studied both Mechanical Engineering and Electronic Engineering at Iowa State University and American Institute of Technology respectively. He has been a member of IEEE G-EMC for approximately seven years.



JOHN E. MAYNARD received a B. S. degree in electrical engineering from the University of Washington in 1929, and an M. S. degree in electrical engineering from Union College in 1931. Prior to joining Boeing in 1947, he had 18 years of experience with the General Electric Company, which included the development and design of commercial and military radio and radar receivers.

Mr. Maynard's experience at Boeing includes studies and development of electronic guidance, and investigation of radio interference. He is currently research program group leader in the Electro-Interference Technology unit, and directs research to extend the art of measurement and control of electro-interference.

Mr. Maynard is inventor or co-inventor of 12 patented inventions and author or co-author of 12 technical papers. He is a senior member of the IEEE; has served on administrative committees of IEEE, both local and national; and is a registered professional engineer. He served on GEMC Adcom from 1963-1966.

Mr. Maynard is presently Western Chapter Activities chairman for GEMC Adcom, and Program Committee chairman for the 1968 GEMC Symposium at Seattle.



FRANK T. MITCHELL, JR., BSEE-1940 George Washington University; 1953 to date - Director of Jansky & Bailey Engineering Department, (1953-1960 - Jansky & Bailey, Inc., -1960 to date - Department of Atlantic Research Corporation.) Responsible for direction of numerous projects in electromagnetic compatibility, antennas and propagation, radio frequency instrumentation, and communications engineering. The EMC projects include prediction and analysis, spectrum signatures, site surveys radiation hazards, measurements and studies, susceptibility programs, specialized instrumentation, development and frequency assignment planning.  
1940-53 Member of the Staff, Jansky & Bailey, in consulting engineering for commercial AM, FM, and TV stations, practicing before the FCC.  
Directed numerous communication and jamming evaluation programs on equipment used by the military services.  
Directed design and development of printed communication systems and auxiliary radar control devices and test instrumentation.  
Senior Member IEEE, Technical Program Chairman 1967 EMC Symposium.



FRED J. NICHOLS received his BSEE from Texas A & M and undertook graduate studies at Columbia University, California Institute of Technology, and University of California. He is a graduate of UCLA Executive Management Program. He has been a member of the Scientific Faculty at Columbia University and at California Institute of Technology.  
Mr. Nichols is presently president of Lectromagnetics Inc., and founder and president of Applied Electromagnetic Science Corp. specializing in electromagnetically shielded enclosures for EMC, Nuclear, and Biological applications.  
Mr. Nichols was formerly president and general manager of Genistron Division of Genisco Technology corporation, manager of Filter Operations and EMC laboratories, Pacific Division of Sprague Electric Co. Earlier he was project engineer and supervisor of corporate RFI/EMC programs for Air Research Corp., and conducted electronic research and development for the Office of Scientific Research and Development, National Research Council in the field of electronic countermeasures.  
Mr. Nichols has been a member of GEMC Adcom for 1964-1967.



VELLAR PLANTZ is a Research Engineer with the Commercial Airplane Division, The Boeing Company, Seattle, Washington. Presently assigned to the Electro-dynamics Staff, Electro-compatibility Group, with Lead Engineer responsibility for EMI Systems Tests on the Boeing 727 and 737 Programs. Besides Boeing, his previous EMI experience includes employment with the United Control Corporation; the Martin Company; and the Wright Air Development Center.  
Mr. Plantz has authored or co-authored several articles on Electro-Interference, for presentation at various national symposiums. His IEEE activities include Seattle Section Group Coordination Chairman and Membership Committee work. His EMC Group activities include Past Chairmanship of the Seattle EMC Chapter, as well as being past Chapter Secretary and past Publicity and Arrangements Chairman.  
He is presently the Secretary for the 1968 National EMC Symposium.



DOUGLAS W. ROBERTSON is the head of the Communications Branch, Engineering Experiment Station, Georgia Institute of Technology, Atlanta, Georgia. Mr. Robertson was responsible for maintenance and installation of military air borne radio and radar equipments with Civil Service and the Air Force. At Georgia Tech, he has served as a staff member and director of numerous EMC and EMC related research projects. His current fields of primary interest include electromagnetic interference, susceptibility, and compatibility measurement techniques applicable at both the equipment and system levels, antenna design and development, VHF and UHF techniques, and intelligibility measurement techniques. Mr. Robertson holds two patents and has authored ten technical papers.



JOHN ROMAN was born in Dunmore, Pennsylvania on May 30, 1923. Received the B. S. Degree in Physics from the University of Maryland, College Park, Maryland in 1949.  
From 1949 till 1959 Mr. Roman worked for International Electronics Engineering Co., and from 1959 till 1962 he worked for RCA Service Co. in connection with problems of shipboard radio-interference reduction and r-f radiation hazards.  
In 1962 Mr. Roman joined the Bureau of Ships (now the Naval Ships Systems Command) of the Department of the Navy as head of the RF Compatibility and Radiation Hazards Unit in the Ships Design Division. Since then he has been actively engaged in a wide range of compatibility and r-f radiation hazards programs including standards and specifications, measurements and measurement techniques, spectrum signatures, analysis and prediction, interference reduction devices and instrumentation.



RALPH M. SHOWERS received the Ph. D. in 1950 from the University of Pennsylvania, where he is Professor of Electrical Engineering and Section Head of communications research in the Moore School of Electrical Engineering. He has taught graduate courses in physical electronics, electronic circuits, systems engineering and communications. Research has included radio interference, microwave noise generators and measurements, characteristics of solid state materials and magnetron research. Dr. Showers was Chief U. S. Delegate to the CISPR Conference (International Special Committee on Radio Interference) at the Hague in 1958, and is presently chairman of Subcommittee B, Methods of Measurement, and Working Group No. 1, Interference Measuring Equipment. He has served on committees on electromagnetic compatibility of the Joint Technical Advisory Committee, EIA, ASA and IEEE. Dr. Showers is a Fellow of IEEE.



PETER F. SPENCER (M'54-SM'61), Zone Manager, Filtron Co., Inc. Associate Arts degree Santa Rosa Jr. College 1947, Bachelor of Science degree Heald Engineering College, San Francisco, 1951. Employed as electrical test engineer, Dalmo Victor Company 1951-1953. Established radio interference testing facility and initiated E. M. I. control procedures 1953-1955 Bendix Pacific Division. Set up new R. F. I. test facility 1955-present Filtron Co. Inc. Helped organize and expand Western Division of company. Active in filter design, E. M. I. testing and control and systems engineering. Assisted in formation of Radio Interference Technical Committee 1956-1957. Launched Northern California office, Filtron Company, 1959. Organized San Francisco Chapter of PGRFI and served first two terms as Chairman, 1960-1962. Acted as Chairman for Fourth National Symposium on R. F. I. Served as Exhibits Chairman for Eighth EMC Symposium. Member Co-operative Interference Committee and P. T. G. E. M. C.

