

980 South Ogden Street
Denver 9, Colorado
May 2, 1962

G.D.

4.18.229
bee

Mr. W. W. Chase, President
American Institute of Electrical Engineers
345 E. 42nd St., New York 17, N.Y.

Dear Mr. Chase,

This is a somewhat belated protest against the proposed designation of the combined society name of Institute of Electrical and Electronic Engineers, IEEE.

- 1. There is no real distinction between Electrical and Electronic Engineering. Both are Electrical Engineering. This is not unlike calling an organization "The Society of Educators and Teachers"

Witness the absurd distinction now occurring in the manufacture of digital and analog computers, where those engineers concerned with the power supply modules are called Electrical Engineers, and those concerned with the Logic Circuits are called Electronic Engineers---yet both are using exactly the same components, similar circuitry, and the whole thing is being packaged (welded) by Electrical Manufacturing Engineers---like myself, and then encapsulated in plastic by persons who would be called Plastics Engineers, except that in one such instance I was responsible for the entire manufacturing side of the picture.

Take a common component like a Zener Diode---an Electrical Engineer uses this as a voltage regulator, but an Electronic Engineer uses it in a logic circuit for analog application or in a gate circuit in a digital device.

Am I an Electronic engineer when using an electron beam welder, and an Electrical Engineer when using a condenser discharge, D.C. welder? What about Lasers, Masers, Photo multipliers, transistors, saturable reactors, acoustic-electrical applications such as Ultrasonic Welding, electrical explosive forming. We are using all these things all the time---what is the distinction?

- 2. IEEE is not a pronouncable abbreviation because it lacks consonants. IRE is pronouncable. AIEE is not---most people call it "Aye-eye-double-ee". IEEE will probably be called "Eye-triple-ee" and when so called nobody will think of the significance of the individual letters. Many societies such as AWS, AMA, SAE, AIME, and ASM always are thought of correctly when the abbreviation to their names are pronounced.

The name Electro Magnetic Engineering (EME) would fit all applications of Electro Magnetic Wave Generation, transmission and application and include power, "electron tube, solid state, communications, lasers, masers, radar, ultra sonics, infra red, illumination, and everything that we are in---and besides it is pronouncable.

P.S. This EME suggestion came from an IRE member who is on my staff as a welding engineer. I agree wholeheartedly .

Yours truly,

Edward J. Ramaley
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RAMALEY, EDWARD J, 980 S. Ogden St, Denver 9, Colo. ENGINEERING. Boulder, Colo, Oct. 18, 07; m. 33; c. 3. B.S, Colorado, 31, M.S, 35. Sr. roadman, U.S. Bur. Pub. Rds, Colo, 35-37; res. engr, Battelle Mem. Inst, 37-48; consult. materials & methods, 48; mfg. res. engr, Lockheed Aircraft Corp, 49-53; sr. tool engr, N.Am. Aviation, Inc, Ohio, 54-56; SR. MFG. ENGR, MFG. RES. & DEVELOP, MARTIN CO, 56- Soc. Tool Eng. Soc. Metals; Photog. Soc; Inst. Elec. Eng; Inst. Min, Metall. & Petrol. Eng. Aircraft welding; heat treatment; metal forming; machining research; physics of metals; gun and tool erosion; electrophotography; powder metals; magnetic tape; electropolish; selenium rectifiers; fluid dynamics; heat transfer; manufacturing methods of missile electronic systems.