



# THE INSTITUTE OF RADIO ENGINEERS

INCORPORATED

PROFESSIONAL GROUP CORRESPONDENCE

February 27, 1959

PLEASE ADDRESS  
REPLY TO

200 S. 33 St.  
Phila. 4, Pa.

Mr. Milton Kant  
Sperry Gyroscope Co.  
Mail Station I-37  
Great Neck, L.I., N.Y.

Dear Mr. Kant:

Many thanks for your letter of January 24 offering to assist on the Technical Papers Committee of PGRFI, and also your suggestions for things that could appear.

Unfortunately, the major problem is getting authors to prepare papers. I have not had enough support from members of the committee to write home about, so to speak, but papers have been drifting in and I think we will soon get publication going.

I wonder if you would be willing to look into a particular topic for me. What I have in mind is the control of radiation from radio and electronic devices. I am enclosing an abstract of a paper that was rejected at the last Armour Conference, for what reason I am not sure, but it might be a start on this topic. Mr. R. J. Farber is chairman of Subcommittee 27.3 of the IRE, which is concerned with receiver radiation. Since he is at Hazeltine, probably reasonably close to your office, I suggest that you call him on the telephone to try to determine if there might be enough material available in the various companies involved in the work of 27.3 which they might be willing to publish on this problem, so that we could devote an issue of the Transactions, or part of one, to it.

In your letter you suggested the publication of a bibliography of papers on interference. I think this is a particularly fine idea. Perhaps you would also like to look into this matter. Rex Daniels has been picking up such information from time to time in connection with the Newsletter, and perhaps he would be willing to work with you on a subcommittee to establish such a bibliography.

I would appreciate it very much if you could look into both or either of these items. Please let me hear from you at your convenience.

Sincerely yours,

R. M. Showers, Chairman  
Technical Papers Committee  
PGRFI

Encl.

ABSTRACT

SPURIOUS SWEEP RADIATION REDUCTION IN TELEVISION CHASSIS

G. W. Carson  
Zenith Radio Corporation  
Chicago, Illinois

In the introduction of this paper the need for reducing or eliminating spurious radiation which is generated in a television receiver is discussed. The general techniques for measuring this spurious radiation and some of the specifications which must be met are also discussed. The balance of the paper develops causative factors involved in the horizontal sweep radiation and practical solutions which can be applied in the design and in the production phases of a television receiver.