



THE INSTITUTE OF RADIO ENGINEERS

INCORPORATED

PROFESSIONAL GROUP CORRESPONDENCE

March 4, 1963

PLEASE ADDRESS
REPLY TO

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

Mr. Herman Garlan
Federal Communications Commission
Washington 25, D.C.

Dear Herman:

Referring to your letter of February 18, 1963, a Symposium Steering Committee of the Metropolitan New York Chapter, PTGRFI, was appointed to prepare a proposal for the 6th National Symposium on Radio Frequency Interference to be held in New York on June 2 and 3 during the 1964 World's Fair.

The Steering Committee, consisting of the following: M. Kant (Chairman), A. Albin, S. Burruano, A. Carrara, M. Engelson, T. Garias, P. Knight, P. Ross, S. Rubin, and N. Shpiesel, has prepared the attached proposal covering the technical, financial, facilities and organizational arrangements in anticipation of a successful symposium.

In view of the date due, I would like to send copies of the proposal to the members of the Administrative Committee as a supplement to report of the Meeting Committee. Please let me know if this meets with your approval.

Very truly yours,

M. Kant - Chairman
Metropolitan New York Chapter
PTGRFI

MK/als
Attach.

PROPOSAL FOR SIXTH NATIONAL SYMPOSIUM ON

RADIO FREQUENCY INTERFERENCE

Submitted by

Metropolitan New York Chapter, PTGRFI

Theme: COMPATIBILITY VS. INTERFERENCE

New approach or old problem

Technical Sessions:

Carrying the theme over into sessions in the Prediction - Design - Measurement fields, we propose a two-day symposium with dual sessions as follows:

	<u>Session No.</u>	
1st Morning	1A	Keynote and Welcome, Panel discussion on Compatibility vs. Interference - Invited Speakers.
1st Afternoon	2A	Advanced Prediction Techniques
	2B	Standard Design Techniques
2nd Morning	3A	Advanced Design Techniques
	3B	Standard Measurement Techniques
2nd Afternoon	4A	Advanced Measurement Techniques
	4B	Standard Prediction Techniques

Papers will be invited for the sessions on Standard Techniques. These papers will be high level tutorial papers in order to introduce these concepts to people from other technical areas. Concurrently, papers from other disciplines bearing on the RFI compatibility problem will be solicited.

The session will include such diverse topics as computer methods of prediction, RFI system analysis, compatibility management structure, electromagnetic environment analysis, spectrum utilization techniques, statistical approach to interference control, trade-off between compatibility and reliability and system complexity, and other associated topics.

Moderators who are authoritative in the field of discussion will be chosen from the National Technical Program Committee.

Banquet Speaker:

A banquet speaker will be chosen on a theme related to the 1964 New York World's Fair.

Publications:

A digest containing 1000-1500 word summaries of papers will be published prior to the symposium for at the symposium and for later sale.

It is recommended that an issue of the PTGRFI Transactions be devoted to papers selected from those presented at the symposium.

Organization:

Members of the Steering Committee will form the nucleus of the Symposium Organization. The organization will be similar to past symposia and will include Technical Program, Arrangement, Registration, Digest, Finance, Ladies Program and Publicity Committees. A National Technical Program Committee will be formed to assist in the selection of papers and to act as moderators at the sessions.

Facilities:

Tentative arrangements have been made to use the Barbizon-Plaza Hotel, located in the midtown New York area, as the Symposium Headquarters. The hotel has a modern air conditioned auditorium as well as other meeting rooms. Adequate sleeping facilities at moderate prices are available. The Barbizon-Plaza Hotel can accommodate luncheon reception and banquet functions for large groups.

Financial:

The proposed budget for the Sixth National Symposium is as follows:

Income

Registration - 500 @ \$2.00	\$1,000.
250 @ \$3.00	750.
Luncheon - 250 @ \$5.00	1,250.
Banquet - 100 @ \$10.00	1,000.
Advance from IRE	<u>1,000.</u>
	\$5,000

Expenses

Digest - 1000 @ \$1.00	\$1,000.
Printing and Mailing - 5000 @ \$.10	500.
Facilities - 2 days @ \$125.00	250.
Banquet (at cost)	1,000.
Luncheon (at cost)	1,250.
IRE Repayment	1,000.
Misc. services and expenses	<u>500.</u>
	\$5,500.
Deficit	(\$500.)

NOTE: Industrial Sponsors' ads in Digest may reduce deficit.

OFFICE OF CHIEF ENGINEER

APR 22 1963

TECHNICAL DIVISION

19 April 1963

Mr. Conrad J. Fowler
American Electronic Laboratories, Inc.
P. O. Box 552
Lansdale, Pennsylvania

Mr. L. G. Cumming
Professional Groups Secretary
IEEE
Box A
Lenox Hill Station
New York 21, New York

Dear Mr. Cumming:

I am enclosing a revised copy of the estimated budget for the Fifth National Symposium on PTGRFI. We have revised the budget at this time since we are planning to have exhibitors, which will add both to our income and expense. The other major change is that we have increased the estimated cost of the reception.

Reservations have already been received from most of the fifteen expected exhibitors so that I feel confident that this portion of the budget will be accurate.

Sincerely yours,

Conrad J. Fowler
Chairman, Fifth National
Symposium on RFI

CJF/abs
Enclosure

cc. Mr. Herman Garlan
Dr. Fred Haber

REVISED ESTIMATED BUDGET
FIFTH NATIONAL PGRFI SYMPOSIUM

(June 4 & 5, 1963, Phila.)

OFFICE OF CHIEF ENGINEER

APR 22 1963

TECHNICAL DIVISION

INCOME

Registration	400 @ \$ 7.00	\$2,800.00
Sponsors	10 @ \$100.00	1,000.00
Exhibits	15 @ \$260.00	<u>3,900.00</u>
		\$ 7,700.00

Expense

C	Booth Expense	\$ 1,000.00
	Printing & Mailing Notices, etc.	\$ 1,800.00
	Tickets, Registration Cards, etc.	\$ 250.00
	Banquet and Luncheon decorations	\$ 100.00
O	* Digest composition and printing	\$ 2,000.00
	Ladies activities	\$ 75.00
	Public Address System	\$ 50.00
P	Rental on projector & operator	\$ 200.00
	Typewriter rental	\$ 25.00
	Reception expense	\$ 1,000.00
	Papers award	\$ 25.00
Y	Telephone expense	\$ 25.00
	Miscellaneous	<u>\$ 200.00</u>
		\$ 6,750.00

EXCESS INCOME OVER EXPENSE

\$ 950.00

* Sufficient copies for entire PGRFI membership

Note 1: Cost of food for luncheons and banquet to be self-liquidating

Note 2: Field trip expense (if any) to be self-liquidating.

OFFICE OF CHIEF ENGINEER

APR 18 1963

TECHNICAL

DIVISION 3-75170-5

Mr. Henry Randall
Office of the Assistant Secretary
of Defense for Engineering
Washington 25, D. C.

Dear Mr. Randall:

Subject: RFI Symposia

This letter is in response to your request at the last Administrative Committee meeting of PTORFI for my thoughts on the multiplicity of RFI symposia. The present situation is that there are three primary RFI meetings per year, the ARF Conference, the PTORFI Symposium, and a technical session of the IEEE International Convention. For a field of effort that involves approximately 1100 people (the PTORFI membership), such activity appears highly questionable. Indeed, much of the same ground is plowed over during each of these sessions.

There is no doubt that the major conference in this area is the Armour Conference since it presents about double the number of papers of the annual PTORFI Symposium, and this, in turn, presents three or four times as many papers as the IEEE International Convention. Furthermore, one of the most valuable features of the Armour Conference is publication of its proceedings.

The lack of complete paper publication is a distinct disadvantage to the PTORFI Symposium. Yet, it is difficult to correct such a situation directly since the effort required in such publication can hardly be expected of volunteer help at the local chapter level. However, the national PTORFI symposia are not without merit since they do foster increased interest in the subject for the localized areas in which they are held. While past symposia have served this end, it appears to me that PTORFI activity is sufficiently established that such nourishment is no longer urgently required.

With respect to the IEEE International Convention, such RFI activity, even though small, is a vital part of the total convention. The prestige value of this participation should not be taken lightly.

Let us turn our attention from the present conference situation to examine major needs in the area of electro-compatibility. The primary need is, as it has been for many years in the past, that of education. People who are newcomers to the field, as well as the oldtimers, all need to be further educated in the techniques that can be utilized. More important, electronics design engineers not specializing in electro-compatibility need to be sufficiently aware of the subject in order to incorporate compatibility concepts into their designs. Equally important is the need to educate management on the proper role of electro-compatibility efforts within their own organization. Such education involves an awareness of objectives, capabilities, and limitations.

How can these educational requirements be met? As far as conference participation is concerned, the present conference arrangement educates primarily those who are engaged directly in the electro-compatibility effort, both neophytes and experienced personnel. There is little hope of reaching electronics design engineers in other fields and absolutely no hope of reaching management personnel by such conferences. To reach other electronics design personnel, results would appear more promising from participation in electronics conferences not specializing in electro-compatibility. By the same token, it would also appear more promising to reach management personnel by inclusion of compatibility organization in sessions devoted to the management of electronics enterprises.

How can participation in extra-compatibility conferences be made effective? It is my opinion that such efforts, to be effective, must be directed and coordinated. The best means for doing so is not clear to me at the present time. Possibly a committee could be formed with the objective of encouraging the submission of solicited papers for presentation to such conferences. The topics of such papers should follow a well planned program. Whatever the means, direction and coordination are definitely required.

With respect to specific action to be taken, let the FIGRFI Symposium be devoted almost exclusively to tutorial papers for the education of neophytes to the electro-compatibility area. If such an effort is not successful, then this symposium should be deleted as an annual event. (It may on occasion be desirable to hold it to meet some specific needs.) If the FIGRFI Symposium is deleted, it may be well to plan the ARF Conference with parallel sessions so that tutorial papers are presented simultaneously with others.

Let participation in extra-compatibility conferences be conducted on an organized basis.

Mr. Henry Randall

3-75170-5

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In a similar manner, organize participation in electronics design magazines and in management media.

If this long-winded expression of opinion requires clarification or discussion, please feel free to write or phone, as circumstances may warrant.

Very truly yours,

THE BOEING COMPANY
Military Aircraft Systems Division

R. B. Schulz

cc: R. Dunn 40-11
R. W. Illman 41-80