

Correspondence

Reports of International Organizations

January 7, 1955

Chairmen

IRE Technical Committees and Professional Groups

In the interest of improving co-ordination of the activities of the IRE with those of international organizations (such as CCIR, URSI and IEC), the Office of the Technical Secretary will distribute from time to time lists of the material received from these organizations. We are enclosing the first set of such lists herewith.

If your Technical Committee or Professional Group desires to make use of any of the material listed, it is available for their inspection at this office or may be borrowed upon request.

Will you please advise me whether you are interested in receiving the supplementary lists which will be distributed in the future? I would also appreciate any suggestions you may have which would assist us in bringing this information to the attention of other interested IRE members.

L. G. CUMMING
Technical Secretary

February 7, 1955

Dear Mr. Cumming:

In answer to your letter of January 7, 1955 concerning the availability of CCIR, URSI and IEC reports, the PGM TT would appreciate receiving from you in the future the acquisition lists to which you refer.

We plan to look over these lists and to pick out the titles of the reports which would be of interest to PGM TT members and to publish these titles in our transactions together with information on where and how the reports are available.

W. W. MUMFORD
Chairman, PGM TT

February 22, 1955

Listed below are two of the reports which may be of interest to the members of the PGM TT.

Study Group No. II of the CCIR Question 76 (II). Sensitivity and noise factor. 53 CIR II.0.

Study Group No. IX of the CCIR Report No. 31. Wide-band radio systems operating in the vhf (metric), vhf (decimetric) and shf (centimetric) bands. 53 CIR-IX.0.

The Editor

Addenda to "Bibliography on Directional Couplers"

December 6, 1954

The Editor

TRANSACTIONS OF THE IRE-PGM TT

The following items seem worth adding to the very comprehensive "Bibliography on Directional Couplers," by R. F. Schwartz

(TRANS. I.R.E., vol. MTT-2, No. 2, pp. 58-63; July, 1954):

"A Note on the Measurement of Impedance with the Impedometer," W. Sichak, PROC. IRE, vol. 38, p. 951; August, 1950.

"On Bethe's Theory of Diffraction by Small Holes," C. J. Bouwkamp, *Philips Res. Rep.*, vol. 5, pp. 321-332; October, 1950.

"On the Diffraction of Electromagnetic Waves by Small Circular Disks and Holes," C. J. Bouwkamp, *Philips Res. Rep.*, vol. 5, pp. 401-422; December, 1950.

There seems to be some confusion in two of the entries at the top of p. 61 of the Bibliography. The second item from the top does not, I think, exist as such. The page numbers and date given there should be transferred to the fifth item from the top. An addition should be made to the third item from the top, to state that the *Electrical Communication* version is a reprint from PROC. IRE, vol. 37, pp. 1208-1211; October, 1949.

R. G. MEDHURST
Research Labs.
The General Electric Co., Ltd.
Wembley, England

January 4, 1955

Dear Mr. Saad:

Thank you for your letter together with the copy of the letter from R. G. Medhurst.

There are actually a number of errors and omissions that have shown up since the "Bibliography on Directional Couplers" was published. Most of these were caused by the limitations of time at the moment that the data was collected.

I am indebted to Mr. Medhurst, to W. W. Mumford of Bell Telephone Laboratories, to Dr. P. P. Lombardini of the University of Pennsylvania, and to others for calling my attention to errors and additions.

I am enclosing for publication the following list of additions and corrections to the original article.

1941

Additions:

"Coupled Networks in Radio Frequency Circuits," Andrew Alford, PROC. IRE, vol. 29, pp. 55-70; February, 1941.

1942

Additions:

"A Stationary Standing-Wave Detector and Power Monitor," W. W. Mumford, Bell Telephone Labs. Memo.; October, 1942.

1944

Additions:

"The Reflectometer," G. B. Meyers and B. P. Charles, Navy Report No. 521; August 25, 1944.

"Directional Transmission Line Taps," R. S. Julian, Bell Tel. Lab. Rep. MM-44-170-6; January 26, 1944.

1945

Additions:

"Carrier Current Communications Over High Voltage Transmission Lines," E. Hancess, *Brown Boveri Rev.*, vol. 31, pp. 335-339; October, 1945.

"Dielectric Guide Signaling," W. W. Hansen and R. H. Varian, U. S. Patent No. 2,375,223; May 8, 1945.

1946

Additions:

"Theory and Design of Several Types of Wave Selectors," N. I. Korman, *Proc. NEC*, vol. 2, p. 404; 1946.

1947

Corrections:

8th entry: author is Glinski not Glenski.

7th entry: should be deleted; belongs under 1948.

Additions:

"Reflectometer for Waveguide Transmission," C. G. Sontheimer and N. I. Korman, U. S. Patent No. 2,423,526; July 8, 1947.

"Reflectometer for Transmission Lines and Waveguides," N. I. Korman, U. S. Patent No. 2,423,390; July 1, 1947.

"The Physical Principles of Waveguide Transmission and Antenna Systems," W. H. Watson, Clarendon Press, Oxford, Eng., pp. 107-121; 1947.

British Patent No. 592,224, G. E. F. Fertel, R. W. L. Batt, J. A. Barrable, C. S. Wright; September 11, 1947.

1948

Additions:

"Reflectometer For Waveguide Systems," J. R. Ford, U. S. Patent No. 2,445,348; 1948.

Corrections:

1st entry: Authors' names are J. F. Morrison and E. L. Younker.

1949

Corrections:

1st entry: Author is O. Norgorden.

5th entry: Publication is PROC. IRE, vol. 37, p. 163; February, 1949.

7th entry: Author's name is W. W. Ernst.

8th entry: Title should be: "Impedance Measurements with Directional Couplers and Supplementary Voltage Probe"; pages should be 1208-1211.

11th entry: Pages should be 1245-1246.

14th entry: Should be entirely deleted; does not concern directional couplers.

Additions:

"Line Tuning Equipment Used with Coaxial Cable for Carrier Current Installation on Power Lines," H. J. Sutton, *Trans. AIEE*, vol. 68, pt. 1, pp. 44-49; 1949.

"A Proposal for Broadband Coupling of