

Abstracts

The Microwave System of the Michigan-Wisconsin Pipeline Company

W.P. Maginnis and H. Place. "The Microwave System of the Michigan-Wisconsin Pipeline Company." 1954 Transactions on Microwave Theory and Techniques 2.1 (Apr. 1954 [T-MTT]): 1-8.

It is perhaps unnecessary to point out to the reader that in the design of a communication network, such as the Michigan-Wisconsin Pipeline microwave-VHF system, which includes 60 microwave stations, the incorporation of the desired operating features into the system is often a more complex and demanding engineering task than the design of the basic circuit elements. The provision of maximum flexibility and utility as desired by the customer, introduces engineering problems which are not easily solved by laboratory methods and which must, therefore, be anticipated and solved by analysis, and proven only in the final installation. The microwave -VHF communication system described in this paper required, before its completion, the solution of many complex system problems. The description of the system facilities will, therefore, occupy most of this paper and only a brief description of the apparatus used will be included.

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