

# Abstracts

## Transco Microwave System

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*H.A. Rhodes. "Transco Microwave System." 1954 *Transactions on Microwave Theory and Techniques* 2.1 (Apr. 1954 [T-MTT]): 89-92.*

The Transco system is approximately 1,780 miles in length and has roughly 9,350 circuit miles in use, all of which are for voice conversation. Our main system consists of 59 stations placed at intervals of 30.7 miles, with the shortest hop 10 miles and the longest 50 miles. Tower heights range from 50 to 350 feet, generally supporting two 6' dishes. The backbone equipment was manufactured by General Electric Company and operates in the 2,000 Mc band. As installed, this equipment is designed to accommodate 12 pulse channels of 3 Kc bandwidths. At 4 intermediate points all circuits or channels are demodulated and terminated or wired through to modulate a new pulse train. Leg circuits operating in the 950 Mc band are used to tie the main system to operational points located at short distances from the pipe line. This system was installed for the purpose of providing communication essential in the maintenance and operation of a 30' high pressure pipe line which runs from southwest Texas to New York.

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