

# Abstracts

## Characteristics of Transient Parametric Amplification of Elastic Waves in YIG (Correspondence)

*R.A. Sparks and E.L. Higgins. "Characteristics of Transient Parametric Amplification of Elastic Waves in YIG (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.6 (Nov. 1965 [T-MTT]): 879-880.*

The observation of a transient mode of quasi-degenerate parametric amplification of elastic waves in YIG was reported in an earlier letter along with other modes of operation. The purpose of this correspondence is to describe further experiments that have been conducted in order to characterize in greater detail the very high gain, transient amplification process in the microwave frequency range.

[Return to main document.](#)