

XIII. SHOP NOTES

A. SUPERREGENERATION

For many years there has been difficulty in understanding and experimenting with superregenerative receivers because of the complexity of dynamic oscillator control. It has occurred to us that the use of a linear oscillator (1,2) with automatic volume control should simplify this problem. We are preparing to investigate it as soon as other work permits.

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References

1. H. Audit: Study of Amplitude Stability of Oscillators Using Diode Amplitude Control, Master's Thesis, Department of Electrical Engineering, M.I.T. 1945
2. L. B. Arguimbau: Vacuum Tube Circuits, John Wiley, New York, 1948, pp. 318-335