

## CONTENTS

Study of Radio Wave Propagation in Sweep Frequency Pulse Transmission Tests in Japan. . . . .	By <i>Y. Aono</i>
<b>ABSTRACT</b> . . . . .	127
<b>INTRODUCTION</b> . . . . .	129
<b>PART I. EXPERIMENTAL PROCEDURES</b> . . . . .	130
I. Method and System of Experiment. . . . .	130
II. Equipment and Apparatus . . . . .	137
III. Observation. . . . .	145
<b>PART II. OBSERVATIONAL RESULTS AND ANALYSIS</b> . . . . .	149
I. Atlas of $d'f$ Trace. . . . .	149
II. Maximum Usable Frequency. . . . .	163
III. Separation of MUF between the Ordinary and Extraordinary Waves . . . . .	170
IV. $M$ Factor for Normal $E$ Layer and Sporadic $E$ Layer . . . . .	191
V. Discussion on the Minimum Observable Frequency. . . . .	193
V. Nose Extension. . . . .	194
<b>CONCLUSION</b> . . . . .	197
<b>ACKNOWLEDGMENTS</b> . . . . .	199
<b>REFERENCES</b> . . . . .	199