

VOLUME 15

NUMBER 78

JOURNAL OF THE RADIO RESEARCH LABORATORIES

MARCH 1968

CONTENTS

- I. Analysis of the Topside Ionospheric Data from
Alouette II over Japan. Part I. Electron
Density Distribution in the Topside
Ionosphere over Japan. . . By *T. Ondoh, N. Matuura, T. Koseki*
R. Nishizaki and M. Kajikawa 59
- II. Ionospheric Measuring Probe (II) —Retarding
Potential Trap—. By *S. Miyazaki and H. Mori* 69
- III. Radio Frequency Characteristic of Electrode
Immersed in Magnetoplasma and Its Application
to Plasma Diagnostic Techniques (I). By *S. Miyazaki* 81
- IV. [Short Note]
Ducted Echoes on Topside Ionograms and Whistlers
at Middle Latitude. . . By *T. Ondoh, J. Otsu and M. Nagayama* 105
- A Morphological Study of Galactic HII Regions.
By *N. Kawajiri and K. Akabane*
(Reprinted from the Publications of the Astronomical Society of
Japan, Vol. 19, No. 3, 1967)

RADIO RESEARCH LABORATORIES
MINISTRY OF POSTS AND TELECOMMUNICATIONS
TOKYO, JAPAN