

JOURNAL  
OF THE  
RADIO RESEARCH LABORATORY

---

MARCH 1986

---

CONTENTS

- I. Equatorial Drift Paths of Plasma Particles in the  
Mead-Fairfield Magnetospheric Model  
..... *By T. Ondoh and K. Aikyo* 1
- II. Performance Evaluation of a Satellite-Borne Synthetic  
Aperture Radar for Soil Moisture Mapping by a Computer  
Simulation Technique  
..... *By M. Fujita and F.T. Ulaby* 27
- III. Small Capacity Digital Speech Interpolation System  
(DSI) and its Performance  
..... *By T. Saruwatari* 43
- Notice
- IV. Abstract of Research Papers Published in the Issues of  
"Review of the Radio Research Laboratory" (in Japanese),  
Vol. 31, No. 161, 1985, and Vol. 32, Special Issue No. 3,  
January 1986 ..... 55

RADIO RESEARCH LABORATORY  
MINISTRY OF POSTS AND TELECOMMUNICATIONS

TOKYO, JAPAN