

JOURNAL  
OF THE  
COMMUNICATIONS RESEARCH LABORATORY

NOVEMBER 1989

CONTENTS

- I. The Short Distance Propagation of LF 40 kHz  
Radio Waves and Some Aspects of the *D*-Region  
.....By *T. Ishimine and Y. Echizenya* 137
- II. Measurements of Sea Backscatter at Extremely  
Low Grazing Angles by a C-band Doppler Radar  
.....By *T. Iguchi* 157
- III. A Cavity Frequency Stabilization Servo System for the  
Oscillating Compact Hydrogen Maser  
.....By *C. Lin, Y. Ohta, S. Urabe, and H. Saito* 171
- IV. Notice  
Abstract of Research Papers Published in the issues of  
"Review of the Communications Research Laboratory"  
(in Japanese), Vol. 35, Nos. 174 to 177, 1989, and  
Vol. 35, Special Issue No. 7 November 1989 ..... 181
- V. International Geophysical Calendar for 1990 ..... 215
- Table of Contents and Index of Authors in Volume 36

COMMUNICATIONS RESEARCH LABORATORY  
MINISTRY OF POSTS AND TELECOMMUNICATIONS

TOKYO, JAPAN