

JOURNAL
OF THE
COMMUNICATIONS RESEARCH LABORATORY

Vol. 42 No. 2 1995

CONTENTS

Message to Readers

- Interdisciplinary Research at the CRL *By M. Yokoyama* 129

Recent Activities in CRL

- Development of a Bread-Board Model for Tropical Rainfall
Measuring Mission (TRMM) and Test Measurements
..... *By H. Kumagai, M. Satake, H. Hanado, T. Ihara, T. Kozu,
and K. Okamoto* 131

- ETS-VI Satellite Communications Experiment
—Preliminary Results of CRL's experiment—
..... *By Y. Suzuki, H. Wakana, Y. Arimoto, M. Tanaka, Y. Matsumoto,
N. Kadowaki, and H. Okazawa* 139

- Precise Measurement of Four-Dimensional Space-Time
—A Challenge in Detecting the Curvature of
Space-time— *By M. Hosokawa* 151

- Design and Development of a Dialogue-based Consultant
System for Supporting the Use of Electronic Mail
..... *By T. Kumamoto, A. Ito, and T. Ebina* 161

- Observation of Chromosome Dynamics in Living Cells by
Fluorescence Microscopy *By T. Haraguchi* 173

Papers

- Communicative Intention Recognition in a Dialogue-Based
Consultant System
—A Statistical Approach Based on the Analysis of
Spoken Japanese Sentences— *By T. Kumamoto, A. Ito, and T. Ebina* 181

Short Note

- An Index for Degree of Freedom in Choosing Outputs of an
Information System *By K. Yoshiya* 199

Departments

- Abstract of Recent Papers Published in the Issues of "Rev.
Comm. Res. Lab." 203