

CONTENTS

Introduction	iii
H. Hirose	
Personnel	iv
Development of Logopedics and Phoniatics in Japan --A Historical Review--	1
I. Kirikae	
Simultaneous High-Speed Digital Recording of Vocal Fold Vibration, Speech and EGG	11
S. Kiritani, H. Imagawa and H. Hirose	
Improvements in the High-Speed Digital Image Recording System for Observing Vocal Fold Vibration	17
H. Imagawa, S. Kiritani, K. Honda and H. Hirose	
An Electromyographic Study of the Emphatic Consonants in Standard Jordanian Arabic	23
F. Kuriyagawa, M. Sawashima, S. Niimi and H. Hirose	
Influences of Increase in Speaking Rate on Jaw and Tongue Positions for Vowels in the Production of Vowel Sequence Words	33
S. Masaki, S. Kiritani, S. Niimi and K. Shirai	
Measurements of the Three-Dimensional Shape of the Vocal Tract Based on the Magnetic Resonance Imaging Technique	47
M. Rokkaku, K. Hashimoto, S. Imaizumi, S. Niimi and S. Kiritani	
How Voiceless Sound Sequences are Organized in Terms of Glottal Opening Gestures	55
H. Yoshioka, A. Löfqvist, H. Hirose and R. Collier	
Visuo-Acoustic Interaction in the Image Space of Binaural Sounds	69
K. Itoh, T. Abe, M. Takahashi, M. Tojo and S. Kikkawa	
A Neuro-Synaptic Model of Auditory Memory and Pitch Perception	83
K. Itoh	

Syntactic Control of Speech Timing: A Developmental Study	103
M. Mochizuki-Sudo and K. Tanno-Sato	
Vowel Duration in Japanese /tsūku/ and /tsukū/	119
F. Kuriyagawa and M. Sawashima	
Duration of Vowels in Nouns in the Construct State in Hebrew	131
F. Kuriyagawa	
The Problematic Nature of Neurolinguistic Data	141
J. A. Bisazza	
Durational Aspect of Prosody in Broca's Aphasia	161
K. Konno, M. Sugishita and H. Hirose	
Pathophysiology of Motor Speech Disorders (Dysarthria)	169
H. Hirose	
A Preliminary Report on the Tongue Dynamics of Dysarthric Patients	205
S. Niimi, H. Nakayama, N. Masaki, H. Hirose and S. Kiritani	
Clinical Application of the Acoustic Measurement of Pathological Voice Qualities	211
S. Imaizumi	
Some Clinical Data on Aerodynamic Examination Using the Airway Interruption Method	217
M. Sawashima, K. Honda, S. Niimi and H. Hirose	
Idiopathic Associated Laryngeal Palsy	225
N. K. Nishizawa and H. Hirose	
Recent Publications	235

INTRODUCTION

One year has already elapsed since we published our previous issue, and this is the twentieth Annual Bulletin. During the period covered by this issue, we have further developed our image-processing system and recording-analysis system for articulatory behavior. In particular, we have been successful at an ultrahigh-speed analysis of vocal fold vibration using a solid-state image sensor. A preliminary application of the system to laryngeal fiberoptic is now being attempted. The ultrasonic analysis of the dynamic configuration of the tongue has also been continuing, and we expect that this technique will eventually provide a data base comparable to ordinary x-ray techniques.

Research on the acoustic correlates of pathological voice quality has been another important project during the last year and we are now well on the way to applying our system to the evaluation of clinical cases with a mild degree of hoarseness.

Research on linguistic behavior, studies of speech pathology and the activities of the central nervous system with reference to speech-language behavior are also quite active, and some interesting findings are emerging.

Last winter, Dr. Kiyoshi Honda, research associate in the Section of Speech Physiology, was nominated as an associate professor of Kanazawa Industrial College and left our Research Institute. At the same time, Dr. Satoshi Horiguchi came back from his 3 year stay at Haskins Laboratories, New Haven, to fill Dr. Honda's position.

As I mentioned in our previous issue, we will welcome the XXth Congress of the International Association of Logopedics and Phoniatics (IALP) in August of this year, and we are expecting to have many friends from abroad pay a visit to our Institute even during their short stay in Tokyo.

As for the publication and distribution policy of our Annual Bulletin, we hope to continue our present practice of sending copies to research groups in exchange for similar reports or publications. Because of a high rise in both production and mailing costs, we have had to restrict the number of personal copies and we sent a letter of inquiry a short while ago to update our mailing list. Nevertheless, we would be happy to provide a personal copy to those who want to continue receiving it. We appreciate your continuing interest in our Annual Bulletin.

Hajime Hirose
Director

PERSONNEL

(April 1985 - March 1986)

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Kiyoshi Honda (M.D.) Research Assistant (-Jan.)
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