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IN MEMORIAM PROFESSOR ICHIRO KIRIKAE (1909-1989)

To our great regret, Professor Ichiro Kirikae died of respiratory distress on December 17, 1989. He was a founder of our Research Institute of Logopedics and Phoniatries and the first Director of the Institute. He was also Professor Emeritus of Tokyo University and Jichi Medical School.

Professor Kirikae was born in Tokyo in 1909. He graduated from the Faculty of Medicine of the University of Tokyo in 1933. He then entered the Department of Otorhinolaryngology at the University of Tokyo Hospital and engaged in clinical and research work. In 1943, he published his thesis "Über den Bewegungsvorgang an den Stimm lippen und die Öffnungs- und Verschlusszeit der Stimmritze Während der Phonation" and obtained the degree of Doctor of Medical Science (D.M.Sc.).

He became Professor and Chairman of the Department of Otorhinolaryngology at the University of Tokyo in 1947 and devoted himself to the development of the Department. His scientific work was superb, and he was particularly famous for his works in otology, laryngology, logopedics and phoniatries.

In 1965, when the Research Institute of Logopedics and Phoniatries was established in the Faculty of Medicine at the University of Tokyo, Professor Kirikae was elected the first Director of the Institute. In 1969, he retired from University of Tokyo and became Professor Emeritus. He then became Professor and Chairman of the Department of Otorhinolaryngology at Jichi Medical School in 1972 and served there until 1985.

Professor Kirikae had a gentle and sincere personality and always attracted the respect and sympathy of those who knew him. He was an excellent surgeon, good researcher and wonderful leader. He was also interested in the fine arts and was himself a remarkable painter.

We wish to express to his family our deepest condolences, and we pray for the repose of his soul.

Hajime Hirose
Director



Introduction

A year has elapsed since we published our previous issue, and this is the twenty-fourth Annual Bulletin. During the period covered by this issue, Professor Ichiro Kirikae, the first Director of our Research Institute, passed away. A memorial of Professor Kirikae is contained in this issue.

We are pleased to present in this issue further results of formerly reported research projects, as well as from some new projects. Our project on the high-speed digital imaging of vocal fold vibration has progressed, and we have made two demonstration video tapes, which were presented at the Vith Vocal Fold Physiology Conference and at the Vith World Congress of Bronchoesophagology. To our great pleasure, both were received enthusiastically. Our next goal is to make the digital image analysis system more widely available for researchers outside of our Institute with the cooperation of engineering companies. We are now developing joint projects for this purpose.

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 restricted the numbers of personal copies according to an updated mailing list and have sent some readers a list of contents only. Nevertheless, we would be happy to provide a personal copy to any person who wants one. We do appreciate your continuing interest in our Annual Bulletin.

Our research projects are principally supported by Grants-in-Aid for Scientific Research, from the Ministry of Education, Science and Culture, including Grants-in-Aid for Scientific Research Priority Areas (No. 01642005 and No. 01608003) and others (No. 01440071, No. 01570943, No. 01870073, No. 63304048 and No. 63480377).

Hajime Hirose,
Director

PERSONNEL

(April 1989 - March 1990)

Professor Emeritus:

Masayuki Sawashima (D.M.Sc.)

Director: Hajime Hirose

Research Staff:

Hajime Hirose (D.M.Sc.) Professor of Speech Pathology

Shigeru Kiritani (D.M.Sc.) Professor of Speech Science

Seiji Niimi (D.M.Sc.) Professor of Speech Physiology

Satoshi Imaizumi (D.Eng.) Associate Professor of Speech Science

Yohko Fukusako (D.M.Sc.) Associate Professor of Speech Pathology

Kenji Itoh (D.Eng.) Research Associate

Sotaro Sekimoto (B.Eng.) Research Assistant

Kohichi Tsunoda (M.D.) Research Assistant (on leave for research work at Haskins Laboratories, U.S.A. -Mar.)

Satoshi Horiguchi (M.D.) Research Assistant (-Mar.)

Graduate Students:

Akiko Yamada-Hayashi (M.A.)

Yan Qun (B.L.)

Special Students:

Shinichiro Asano (M.D.) (Apr.-)

Junichi Shimada (M.D.)

Akio Soejima (B.L.) (Oct.-)

Hiroya Yamaguchi (D.M.Sc.)

Yohko Watanabe (B.A.) (Apr.-)

Guest Researchers:

Pierre Halle (Ph.D.) Laboratoire de Psychologie Experimentale Universite Paris V. (Aug.-Nov.)

William Hardcastle (Ph.D.) Professor of Speech Sciences, Department of Linguistic Science, University of Reading Visiting Professor (Mar.)

Fiona Gibbon, Research Fellow, Department of Linguistic Science, University of Reading (Mar.)

John A. Bisazza (Ph.D.) Assistant Professor, Department of Literature, Meiji Gakuin University

Technical Staff:

Hiroshi Imagawa (B.Eng.)

Fumihiro Suzuki (part time) (-Mar.)

Naokazu Kubo (part time) (Dec.-)

Secretaries:

Miss Kikuko Yamakoshi

Miss Noriko Tsunoda (part time)

Miss Hiroko Yamane (part time)

Miss Minobu Managi (part time) (-Mar.)

Miss Toshiko Kohno (part time)(Apr.-Mar.)
Miss Chikage Nakano (part time)(Apr.-May)
Mrs. Yumiko Basaki (part time)(Jun.-)

Cooperative Groups:

University of Tokyo, Faculty of Medicine,
Department of Otolaryngology, Voice and Speech Group.
University of Tokyo, Faculty of Engineering,
Department of Electrical Engineering.
Kogakuin University,
Department of Electronic Engineering.
Kitasato University, School of Medicine,
Department of Physiology.
Department of Otolaryngology.
University of Electro-Communications,
Department of Computer Science and
Information Mathematics.
Waseda University,
School of Science and Engineering.
Tokyo University of Foreign Studies,
Institute for the Study of Languages and Cultures of Asia
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Department of Speech and Hearing Disorders, and
of Otolaryngology.
Tokyo Metropolitan Institute of Gerontology,
Department of Rehabilitation Medicine.
Section of Communication Research.
Tokyo Metropolitan Geriatric Hospital,
Department of Speech Pathology.
Osaka Shoin Women's College.
National Language Research Institute,
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Department of Otolaryngology.
Advanced Telecommunication Research Institute International