

PUBLICATIONS

I. Recent Publications (April 1968 - July 1969)

A. Publications in English

1. Original Contributions

- O. Fujimura, "Approaches toward a Model of Linguistic Behavior," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 42-45 (1968).
- O. Fujimura, H. Ishida, and S. Kiritani, "Computer Controlled Dynamic Cineradiography," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 6-10 (1968).
- H. Hirose, S. Kiritani, and S. Shibata, "An Electromyographic Study of Articulatory Movements," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 21-27 (1968).
- H. Hirose, T. Ushijima, and T. Kobayashi, "An Experimental Study of the Contraction Properties of the Laryngeal Muscles in the Cat," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 37-38 (1968).
- H. Hirose, T. Ushijima, T. Kobayashi, and M. Sawashima, "An Experimental Study of the Contraction Properties of the Laryngeal Muscles in the Cat," Ann. Otol. (St. Louis) 78, 297-306 (1969).
- H. Ishida, "General Purpose I/O Panel for a PDP-9," Decuscope (Digital Equipment Computer Users Society, Maynard, Mass.) 8, 19 (1969).
- H. Kameda, "A Note on the Japanese Language as a Computer Language," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 52-54 (1968).
- S. Kiritani, T. Hayata, S. Okamoto, and O. Fujimura, "Factors Contributing to the Difficulty in Pronunciation," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 39-41 (1968).
- S. Maeda and O. Fujimura, "Factors of the Glottal Wave That Contribute to the Naturalness of Speech," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 46-51 (1968).
- M. Sawashima, "Movements of the Larynx in Articulation of Japanese Consonants," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 11-20 (1968).

2. Review Articles

- O. Fujimura, "Current Issues in Experimental Phonetics," Studies in General and Oriental Linguistics Tokyo: Tec Co. (in press).

3. Meeting Papers

- O. Fujimura, S. Shibata, Z. Simada, S. Kiritani, and C. Satta, "A Study of Dynamic Palatography," Reports of the 6th International Congress on Acoustics II, B-21--B-24 (1968).
- O. Fujimura, H. Ishida, and S. Kiritani, "Computer Controlled Dynamic Cineradiography," Digital Equipment Computer Users Society 1969 (Spring Symposium, Wakefield, Mass., May, 1969) (to be published in the proceedings).
- H. Hirose, "An Electromyographic Study of Articulatory Movements," The 14th International Congress of Logopedics and Phoniatics, Paris, September, 1968.
- I. Kirikae, C. Satta, O. Fujimura, and M. Sawashima, "Movements of the Glottis during Speech Utterances;" The 14th International Congress of Logopedics and Phoniatics, Paris, September, 1968.
- S. Kiritani, H. Hirose, and M. Sawashima, "An Electromyographic Study of Articulatory Movements," Reports of the 6th International Congress on Acoustics II, B-25--B-28 (1968).
- S. Maeda, O. Fujimura, and M. Sawashima, "Voice Aperiodicity in Terms of Pulse Shape and Interval," Reports of the 6th International Congress on Acoustics II, B-43--B-46 (1968).
- M. Sawashima, H. Hirose, S. Kiritani, and O. Fujimura, "Articulatory Movements of the Larynx," Reports of the 6th International Congress on Acoustics II, B-1--B-4 (1968).
- M. Sawashima, "Observation of the Glottal Movements," Preprints: Speech Symposium, Kyoto, C-2-1--C-2-7 (1968).

4. Abstracts

- Y. Fukusako, T. Sagara, S. Shibata, and M. Sawashima, "A Case of Childhood Aphasia," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 59-60 (1968).
- M. Sawashima, T. Ushijima, Y. Kurauchi, and S. Iwamura, "Articulation Functions of the Glossectomized," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 58 (1968).
- M. Sawashima, "A Study on Articulatory Movements in Cleft Palate Speech," Annual Bulletin (Research Institute of Logopedics and Phoniatics, University of Tokyo) No. 2, 56-57 (1968).

B. Publications in Japanese

1. Review Articles

- O. Fujimura, "Language and Medical Science," Shisô (Thought) No. 534, 24-34 (1968).
- O. Fujimura, "Logic of Syntax," Tetsugaku (Philosophy) 11 (Language), 241-281 (1968).
- O. Fujimura, "Language and Speech," The J. of the Inst. of Electronics and Communication Engineers of Japan 51, 1333-1341 (1968).
- K. Nakata and O. Fujimura, "Speech Synthesis and Speech Perception," The J. of the Inst. of Electronics and Communication Engineers of Japan 51, 1375-1384 (1968).

- O. Fujimura, "Language and Machine," Information and Documentation 12, 116-121 (1969).
- M. Sawashima, "Clinical Remarks on Voice Disorders," Japan J. of Logopedics and Phoniatics 9 (No. 1), 9-14 (1968).
- M. Sawashima, "Speech Production Mechanism," The J. of the Inst. of Electronics and Communication Engineers of Japan 51, 1342-1349 (1968).
2. Textbooks
- H. Hirose, "Chapter 4: Symptomatology, Hoarseness," Bronchoesophagology, pp. 65-69, Tokyo: Igaku Shoin, 1968.
- H. Hirose, "Chapter 36: Recurrent Nerve Palsy," Recent Advance in Otorhinolaryngology, pp. 528-542, Tokyo: Ishiyaku Shuppan Co., 1968.
3. Meeting Papers
- H. Chitose, T. Ishii, and H. Hirose, "Distribution of the Motor Nerve Endings in the Laryngeal Muscles," Japan J. of Logopedics and Phoniatics 9 (No. 2), 6 (1968).
- K. Fujita, T. Eguchi, Y. Nadoyama, M. Sawashima, and H. Hirose, "Phonatory Function of Cerebral Palsy," Japan J. of Logopedics and Phoniatics 9 (No. 2), 43-44 (1968).
- H. Hirose, S. Kiritani, S. Shibata, and M. Sawashima, "An Electromyographic Study of Articulatory Movements (Second Report)," Japan J. of Logopedics and Phoniatics 9 (No. 2), 37-38 (1968).
- T. Sagara, M. Sawashima, Y. Kurauchi, and Y. Fukusako, "Speech Disorder of a Young Child Caused by Head Trauma," Japan J. of Logopedics and Phoniatics 9 (No. 2), 16-17 (1968).
- M. Sawashima, H. Hirose, S. Kiritani, O. Fujimura, I. Kirikae, and C. Satta, "Observation of the Glottis during Articulatory Movements (Photoglottographic Study)," Japan J. of Logopedics and Phoniatics 9 (No. 2), 1-2 (1968).
- T. Ushijima, T. Kobayashi, H. Hirose, and I. Kirikae, "Contraction of the Laryngeal Muscles," Japan J. of Logopedics and Phoniatics 9 (No. 2), 5-6 (1968).

II. Selected Bibliographies of the Staff (except items listed in Part I)

Osamu FUJIMURA

A. Publications in English

1. Periodicals

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- S. Hattori, K. Yamamoto, and O. Fujimura, "Nasalization of Vowels in Relations to Nasals," J. Acoust. Soc. Am. 30, 267-274 (1958).
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- "Bilabial Stop and Nasal Consonants: A Motion Picture Study and Its Acoustical Implications," J. Speech and Hearing Research 4, No. 3, 233-247 (1961).
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2. Congress Proceedings or Digests
- "Articulatory vs. Acoustic," Proceedings of Speech Communication Seminar, Stockholm, 1962. Speech Transmission Laboratory, Royal Institute of Technology, III, 3d: 1-3 (1963).
- "Formant-Antiformant Structure of Nasal Murmurs," Proceedings of Speech Communication Seminar, Stockholm, 1962. Speech Transmission Laboratory, Royal Institute of Technology, I, B1: 1-9 (1963).
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- "Analysis of Nasal Consonants," Quarterly Progress Report (Research Laboratory of Electronics, M. I. T.) No. 60, 184-188 (1961).
- "Some Synthesis Experiments on Stop Consonants in the Initial Position," Quarterly Progress Report (Research Laboratory of Electronics, M. I. T.) No. 61, 153-162 (1961).
- "Analysis of Nasalized Vowels," Quarterly Progress Report (Research Laboratory of Electronics, M. I. T.) No. 62, 191-192 (1961).
- "Motion-Picture Studies of Articulatory Movements," Quarterly Progress Report (Research Laboratory of Electronics, M. I. T.) No. 62, 197-202 (1961).
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- O. Fujimura and J. Lindqvist, "An Instrumentation for Spectrum-matching Experiments," Speech Transmission Laboratory Quarterly Progress and Status Report (Royal Institute of Technology, Stockholm) 2/1964, 6-8.
- O. Fujimura and J. Lindqvist, "Experiments on Vocal Tract Transfer," Speech Transmission Laboratory Quarterly Progress and Status Report (Royal Institute of Technology, Stockholm) 3/1964, 1-7.
- "The Spectral Shape in the F_2 - F_3 Region," Speech Transmission Laboratory Quarterly Progress and Status Report (Royal Institute of Technology, Stockholm) 3/1964, 21-27.
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1. Original Contributions

- * Y. Kohasi and O. Fujimura, "On Vowel Synthesis with the Repeated Use of a Tuned Amplifier and a Magnetic-Tape Recorder," J. Acoust. Soc. Japan 11, No. 1, 24-32 (1955).
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- * O. Fujimura, T. Ogawa, and S. Hiki, "On the Speech Sound Synthesizer by Use of ADP Piezo-optic Resonators," J. Acoust. Soc. Japan 14, 129-137 (1958).
- * "Some Remarks on the Character Recognition," Information and Control (Institute of Electrical Communications Engineers Japan) No. 4, 2-7 (1963).
- * "On the Syntactic Structures by Chomsky," J. Linguistic Soc. Japan No. 44, 14-24 (1963).
- "Structure of Language and Coding of Chinese Characters," Kagaku (Science), 34, 321-324 (1964).

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- "Music from an Information Theoretical Point of View," Philharmony (1957).

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- H. Takahasi and O. Fujimura, "Universal Aspects in Physics," Buturi (J. Physical Soc. Japan) 9-13 (1954-1958).
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- O. Fujimura, K. Ochiai, Y. Kato, S. Maeda, and S. Okamoto, "Some Experiments on Vocoder Excitation Source," Collected Papers of the Semi-Annual Meeting Acoust. Soc. Japan, 261-262 (November, 1966).
- O. Fujimura, S. Kiritani, S. Okamoto, K. Kanno, and T. Hayata, "Factors Contributing to Difficulty of Pronunciation," Reports of the 1967 Spring Meeting of the Acoustical Society of Japan, 273-274 (1967).
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Masayuki SAWASHIMA

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T. Kobayashi, H. Hirose, M. Sawashima, and I. Kirikae, "An Experimental Study of the Reflex Activity in the Recurrent Laryngeal Nerve in the Cat," Proceedings of the XIth International Congress of Bronchoesophagology, Hakone, Japan, 11-13 (1965).

M. Sawashima, H. Hirose, and O. Fujimura, "Observation of the Larynx by a Fiberscope Inserted through the Nose," The 74th Meeting of the Acoustical Society of America, p. 69, Paper GG-5 (November 1967).

3. Meeting Papers (abstracts)

M. Sawashima, H. Hirose, and O. Fujimura, "Observation of the Larynx by a Fiberscope Inserted through the Nose," J. Acoust. Soc. Am. 42, 1208 (1967).

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- "Speech Disorder and its Therapy in Cleft Palate," Symposium "Cleft Lip and Palate" at LXIth Congress of the Oto-Rhino-Laryngological Society of Japan, (April, 1961).

Hajime HIROSE

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