

RECENT PUBLICATIONS

April 1979 - March 1980

A. Publications in English

1. Publications in Periodicals

i. Original Contributions

Funasaka, S. and K. Honda (1979); Use of Frequency Modulation Combined with Amplitude Change to Elicit Frequency-Specific Whole-Nerve Response. *Audiology* 18, 485-493.

Hirose, H., S. Kiritani, T. Ushijima and O. Kjellin (1979); Lingual Electromyography Related to Tongue Movements in Swedish Vowel Production. *J. Phonetics* 7, 317-324.

Itoh, M., S. Sasanuma and T. Ushijima (1979); Velar Movements During Speech in a Patient with Apraxia of Speech. *Brain and Language* 7, 227-239.

Kirikae, I., M. Sawashima, H. Hirose and H. Fujisaki (1979); Simulation of Children's Speech by Adult Actress. *Folia Phoniatic* 31, 35-41.

Sasanuma, S., M. Itoh, Y. Kobayashi and K. Mori (1980); The Nature of the Task-Stimulus Interaction in the Tachistoscopic Recognition of Kana and Kanji Words. *Brain and Language* 9, 298-306.

ii. Review Articles

iii. Progress Reports

Hirose, H. (1979); Laryngeal EMG. *Ann. Bull. RILP* 13, 13-22.

Hirose, H. and S. Kiritani (1979); Velocity of Articulatory Movements in Normal and Dysarthric Subjects. *Ann. Bull. RILP* 13, 105-112.

Hirose, H. and M. Sawashima (1979); Disturbance of the Rhythmic Structure of Speech in the Dysarthrias. *Ann. Bull. RILP* 13, 113-121.

Itoh, K., S. Niwa, Y. Saito and S. Kikkawa (1979); Auditory Evoked Responses to Verbal and Nonverbal Stimuli and Selective Attention. *Ann. Bull. RILP* 13, 205-211.

Itoh, M., S. Sasanuma, I. F. Tatsumi and Y. Kobayashi (1979); Voice Onset Time Characteristics of Apraxia of Speech. *Ann. Bull. RILP* 13, 123-132.

Iwata, R., M. Sawashima, H. Hirose and S. Niimi (1979); Laryngeal Adjustment of Fukienese Stops - Initial Plosive and Final Applosives. *Ann. Bull. RILP* 13, 61-82.

Löfqvist, A. and H. Yoshioka (1979); Laryngeal Activity in Swedish Voiceless Obstruent Clusters. *Haskins Labs. Status Report on Speech Research* SR-59/60, 103-125.

Saito, S. and K. Itoh (1979); Effect of Acoustic Feature Parameters on Perceptual Identification of Speech. *Ann. Bull. RILP* 13, 137-143.

Saito, S. and S. Furui (1979); Analysis of Dynamic Characteristics of Speech Spectrum Characterizing Individual Speakers. *Ann. Bull. RILP* 13, 145-153.

- Sawashima, M. (1979); Laryngeal Control for Voicing Distinctions: A Review of Recent Works. Ann. Bull. RILP 13, 23-26.
- Sawashima, M. (1979); Temporal Patterns of Articulatory and Phonatory Controls. Ann. Bull. RILP 13, 1-11.
- Sawashima, M. and H. S. Park (1979); Laryngeal Adjustments for Syllable Final Stops in Korean: Some Preliminary Results of Fiberoptic Observation. Ann. Bull. RILP 13, 83-89.
- Sekimoto, S., S. Kiritani and S. Saito (1979); Frequency Compression Techniques of Speech Using Linear Prediction Analysis-Synthesis Scheme. Ann. Bull. RILP 13, 133-136.
- Tatsumi, I. F., S. Sasanuma, H. Hirose and S. Kiritani (1979); Acoustic Properties of Ataxic and Parkinsonian Speech in Syllable Repetition Tasks. Ann. Bull. RILP 13, 99-104.
- Uyeno, T., H. Hayashibe and K. Imai (1979); On Pitch Contours of Declarative, Complex Sentences in Japanese. Ann. Bull. RILP 13, 175-188.
- Yoshioka, H. (1979); Laryngeal Adjustments During Japanese Fricative and Devoiced Vowel Production. Haskins Labs. Status Report on Speech Research SR-58, 147-160.
- Yoshioka, H., A. Löfqvist and H. Hirose (1979); Laryngeal Adjustments in the Production of Consonant Clusters and Gemimates in American English. Haskins Labs. Status Report on Speech Research SR-59/60, 127-151.

iv. Abstracts of Meeting Papers

- Borden, G. J., K. S. Harris, H. Fitch and H. Yoshioka (1979); Self-Monitoring During Familiar and Less Familiar Speech Events. J. Am. Speech-Language-Hearing Assoc. 21, No. 9, 799.
- Hirose, H. and M. Sawashima (1979); Articulatory Dynamics in Dysarthria of Cerebellar Origin. Neuroscience Letter (Abstracts of the Second Annual Meeting of the Japan Neuroscience Society, Tokyo, Japan 1979) Supple. 2, Elsevier/North-Holland, S 35.
- Löfqvist, A. and H. Yoshioka (1979); Laryngeal Articulation in Swedish Obstruent Clusters. J. Acoust. Soc. Am. 65, Suppl. No. 1, S24.
- Yoshioka, H. and A. Löfqvist (1979); Laryngeal Adjustments in Stutterers. J. Acoust. Soc. Am. 66, Suppl. No. 1, S12.
- Yoshioka, H., A. Löfqvist and H. Hirose (1979); Laryngeal Adjustments During American English Consonant Cluster Production. J. Acoust. Soc. Am., 65, Supple. No. 1, S23.

2. Contributions in Meeting Proceedings, etc.

i. Printed Full Texts of Symposium Papers, etc.

ii. Preprints of Meeting Papers in Proceedings or Digests

- Borden, G. J., K. S. Harris, H. Yoshioka and H. Fitch (1979); Feedback and Feedforward Mechanisms Used by Speakers Producing Familiar and Novel Speech Patterns. Proceedings of the 9th International Congress of Phonetic Sciences, Copenhagen, August 1979, I, 181.
- Hirose, H. (1979); A Correlation Analysis of EMG Activity and the Movement of Selected Speech Organs. Proceedings of the 9th International Congress of Phonetic Sciences, Copenhagen, II, 351-357.

- Hirose, H. and M. Sawashima (1980); Functions of the Laryngeal Muscles in Speech. Proceedings of Vocal Fold Physiology Conference, Kurume, Jan. 1980.
- Kiritani, S., H. Hirose and M. Sawashima (1979); Temporal Characteristics of Coarticulation Between Consonants and Adjacent Vowels - X-ray Microbeam Study on Japanese and English. Proceedings of the 9th International Congress of Phonetic Sciences, Copenhagen, 1, 196.
- Sawashima, M. (1979); A Supplementary Report on Speech Production. Proceedings of the 9th International Congress of Phonetic Sciences, Copenhagen, 1, 49-56.
- Sawashima, M. and H. Hirose (1979); Laryngeal Gestures for Voiceless Sounds During Speech. Proceedings of the 9th International Congress of Phonetic Sciences, Copenhagen, 1, 210.

3. Contributions in Separate Publications

- i. Papers in Festschrifts and Anthologies
- ii. Part of a Textbook or Handbook

- Hirose, H., H. Yoshioka and S. Niimi (1979); A Cross Language Study of Laryngeal Adjustment in Consonant Production. In Amsterdam Studies in the Theory and History of Linguistic Science IV, Current Issues in Linguistic Theory Vol. 9, Current Issues in the Phonetic Sciences (Ed. Hollien, H. and P. Hollien), Amsterdam-John Benjamins B. V., 165-179.
- Shibata, S., A. Ino, S. Yamashita, S. Hiki, S. Kiritani and M. Sawashima (1979); A New Portable Type Unit for Electro Palatography. In Amsterdam Studies in the Theory and History of Linguistic Science IV, Current Issues in Linguistic Theory Vol. 9, Current Issues in the Phonetic Sciences (Ed. Hollien, H. and P. Hollien), Amsterdam-John Benjamins B. V., 443-449.

4. Monographs

B. Publications in Japanese

1. Publications in Periodicals
 - i. Original Contributions

- Itoh, K. (1979); Voluntary Behavior and EEG. Clinical Electroencephalography 21, 463-468.
- Monoi, H., Y. Fukusako and S. Sasanuma (1979); Speech Sound Errors in Conduction and Broca's Aphasics: a Comparative Study. The Japan Journal of Logopedics and Phoniatics 20, 299-312.
- Nomura, Y., T. Kobayashi, I. Kawabata, K. Honda and K. Wakui (1979); Endoscopic Observation of the Middle Ear - A Right-Angled Needle Scope and High Sensitivity TV Camera -. Otologia (Fukuoka) 25, No. 4, 1209-1212.
- Tatsumi, I. F., S. Sasanuma and H. Fujisaki (1979); Auditory Perception of Temporal Duration and Visual Perception of Stroke Length in Aphasic Patients. The Japan Journal of Logopedics and Phoniatics 20, 123-131.
- Totsuka, G., Y. Funai, M. Fujibayashi, Y. Fukusako and S. Sasanuma (1979); Differential Diagnosis of Aphasia and Lesions in the Brain. The Japan Journal of Logopedics and Phoniatics 20, 197-205.

ii. Review Articles

- Fujisaki, H. and M. Sawashima (1980); Report on the 9th International Congress of Phonetic Sciences. *J. Acoust. Soc. Japan* 36, 62-66.
- Hirose, H. (1979); Physiology of Sound Production. *J. Japan Society of Singing Voice* 8, 14-21.
- Hirose, H. (1980); Dysarthria - From the Standpoint of Logopedics and Phoniatics. *Saishin Igaku* 35, 233-241.
- Saito, S. (1979); Recent Progress of Speech Recognition and Synthesis. *Electronic Engineering* 21, No. 12, 2-7.
- Saito, S. (1979); Speech Synthesis and Recognition. *The Jap. Journ. Logoped. Phoniatr.* 20, 153-159.
- Saito, S. (1980); Present Status and Future of Speech Recognition Techniques. *Jour. Soc. Instr. Control Eng.* 19, 300-306.
- Sasanuma, S. (1979); The Brain Damage and Delayed Language Acquisition. *Gengo (Language)* 8, No. 7, 36-45.
- Sasanuma, S. (1979); The In-depth Assessment of Language Impairment in Aphasia. *The Japanese Journal of Rehabilitation Medicine* 16, 256-264.
- Sasanuma, S. (1979); Processing of Written Words in Aphasic Alexia. *Neurological Medicine* 10, 524-531.

iii. Progress Reports

iv. Abstracts of Meeting Papers

- Hiramatsu, K., S. Niwa, Y. Saito, K. Itoh and S. Kikkawa (1980); Asymmetry of Mid-temporal Auditory Evoked Potentials in Schizophrenics with Chronic Auditory Hallucinations. *Jap. Jour. Electroencephalography and Electromyography* 8, 19.
- Kobayashi, T. and K. Honda (1980); New Devices for Phonosurgery. *Japan J. Logop. Phoniatr.* 21, 13.
- Kobayashi, T., K. Honda and E. Yamamoto (1980); Computer Tomography for Cervical Pathologies. *J. Japan Bronchoesophagol. Soc.* 31, 183.
- Niimi, S., H. Hirose, M. Sawashima, S. Kiritani and T. Ushijima (1979); Movements of the Pharyngeal Wall During Speech. *J. Otolaryng. Japan* 82, 1047-1048.
- Niimi, S., H. Hirose, M. Sawashima, T. Ushijima, K. Honda and T. Kobayashi (1979); Some Differences of the Laryngeal View by Direct and Indirect Laryngoscopy. *J. Jap. Bronchoesophagol. Soc.* 30, 140.
- Niwa, S., K. Itoh, S. Kikkawa and Y. Saito (1979); Auditory Evoked Potentials to Verbal and Nonverbal Stimuli and Selective Attention. *Jap. Jour. Medical Electronics and Biological Engineering* 17, (S) 346-347.
- Sasanuma, S. (1979); Aspects of Neuro-linguistics: with Special Reference to Aphasic Disorders. *Studies in English Literature* 56, 432-433.
- Sasanuma, S. (1979); The Impairment of Sentence Comprehension in Aphasia. *Studies in English Literature* 56, 433.
- Watomori, T., M. Itoh, S. Hata, S. Sasanuma, Y. Fukusako, T. Suzuki, K. Endo, M. Kumagaya and A. Takeuchi (1979); A Test of Communication Activities in Daily Living for Aphasia (3). *The Japanese Journal of Rehabilitation Medicine* 17, 6-7.

2. Contributions in Meeting Proceedings, etc.

i. Printed Full Texts of Symposium Papers, etc.

- Fujisaki, H. and M. Sawashima (1979); Report of the 9th International Congress of Phonetic Sciences. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-31.
- Hirose, H. (1980); Hoarseness in Children. Proceedings of Educational Panel Discussion, Tokyo District Meeting, Japan Society of Otorhino-Laryngology, Tokyo, March 1980.
- Hirose, H., S. Kiritani and M. Sawashima (1979); Velocity of Articulatory Movements in Normal and Dysarthric Subjects. Special Research Project of 'Language', Ministry of Education, The Sawashima Group, Report No. 54-4.
- Hirose, H. and M. Sawashima (1979); Laryngeal Adjustment as a Physiological Correlate of Word Stress in American English. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-16.
- Itoh, K., S. Niwa, K. Hiramatsu, Y. Saito and S. Kikkawa (1979); Processing of Verbal and Nonverbal Information and Selective Attention. Special Research of 'Language', Ministry of Education, The Iidaka Group, Report, 2-11.
- Itoh, M., S. Sasanuma, I. F. Tatsumi, S. Hata, Y. Fukusako and T. Suzuki (1980); The Voice Onset Time in Apraxia of Speech (the 2nd Report). Special Research Project of 'Language', Ministry of Education, The Sawashima Group, Report 54-8.
- Iwata, R., M. Sawashima, H. Hirose and S. Niimi (1979); Physiological Characteristics of Fukienese Consonant. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-17.
- Miyata, H., K. Honda and S. Kiritani (1979); Electrical Characteristics of Wire Electrodes for EMG Measurement in Speech Research. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-81.
- Niimi, S., K. Honda, S. Kiritani, H. Hirose and Z. Shimada (1979); Investigation of the Sagittal and Frontal Tongue Configurations During Speech by Use of Ultrasonic Tomography. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-82.
- Park, H. S., M. Sawashima and H. Umeda (1979); Laryngeal Adjustments for Syllable Final Stops in Korean: Some Preliminary Results of Fiberscopic Observation. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-79.
- Sekimoto, S., S. Kiritani and S. Saito (1980); Intelligibility of Frequency Compressed Speech Processed by PARCOR Speech Analysis-Synthesis Technique. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-70.
- Shirai, K., H. Wada and S. Kiritani (1979); Improvement of the Method Estimating the Articulatory States Based on the Articulatory Model. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-83.
- Tanabe, M., S. Sekimoto, N. Hasebe and H. Ishida (1979); Configuration of the DEC-NET Computer Network Across the Different Types of Operating Systems. Transactions of Working Group on Distributed Processing Systems, Information Process Sing Soc. of Japan Vol. 1-2.

- Tatsumi, I. F., S. Sasanuma and H. Fujisaki (1980); Auditory Identification of Fundamental Frequency Patterns and Visual Identification of Stroke Direction for Verbal and Nonverbal Stimuli in Aphasic Patients. Transactions of Committee on Speech Research, Acoust. Soc. Japan S79-77.
- Uyeno, T., H. Hayashibe, K. Imai, H. Imagawa and S. Kiritani (1979); Hatsuwa to Rikai ni Okeru Fukubun no Intoneesyon (Intonation of Complex Sentences in Production and Comprehension). Special Research Project of 'Language', Ministry of Education, The Sawashima Group, Report 54-6.
- ii. Preprints of Meeting Papers in Proceedings or Digests
- Hiramatsu, K., S. Niwa, Y. Saito, K. Itoh and S. Kikkawa (1979); Asymmetry of Mid-Temporal Auditory Evoked Potentials in Schizophrenics with Chronic Auditory Hallucinations. Preprints of the 9th Convention of the Jap. Soc. of Electroencephalography and Electromyography 174.
- Hiramatsu, K., S. Niwa, Y. Saito and K. Itoh (1980); Abnormal Auditory Information Processing in Hallucinating Schizophrenics - Temporal AEP Study. Proceedings of 2nd Meeting of the Jap. Soc. of Biological Psychiatry.
- Hirose, H. (1979); Abnormal Articulatory Dynamics in the Dysarthrias (Movie) Proceedings of the 24th Annual Meeting of Japan Society of Logopedics and Phoniatrics, Kurume, Oct. 1979.
- Hirose, H., M. Sawashima and H. Yoshioka (1979); Laryngeal Adjustments as a Physiological Correlate of Word Stress in American English. Reports of the 1979 Spring Meeting of the Acoust. Soc. Japan. 501-502.
- Hirose, H. and M. Sawashima (1980); Analysis of Articulatory Dynamics in Central Motor Diseases. Abstract of Annual Meeting of the Japan Neuroscience Society, Tokyo, p. 37.
- Imagawa, H., S. Kiritani and S. Saito (1979); Random Perturbations of the Pitch Pattern and the Naturalness of Synthetic Speech. Reports of the 1979 Autumn Meeting of the Acoust. Soc. Japan, 507.
- Iwata, R., M. Sawashima, H. Hirose and S. Niimi (1979); Laryngeal Adjustments for Syllable Final Stops in Fukiense. Reports of the 1979 Autumn Meeting of the Acoust. Soc. Japan, 469-470.
- Kiritani, S. and H. Hirose (1979); Some Effects of Stress Contrast on Articulatory Movements in American English. Reports of the 1979 Spring Meeting of the Acoust. Soc. Japan, 499.
- Park, H. S. and M. Sawashima (1979); Laryngeal Adjustments for Syllable Final Stops in Korean. Reports of the 1979 Autumn Meeting of the Acoust. Soc. Japan, 467-468.
- Sekimoto, S., S. Kiritani and S. Saito (1979); Intelligibility of Frequency Compressed Speech Processed by PARCOR Speech Analysis-Synthesis Method. Reports of the 1979 Autumn Meeting of the Acoust. Soc. Japan, 569-570.

3. Contributions in Separate Publications

i. Papers in Festschrifts and Anthologies

ii. Part of a Textbook or Handbook

- Hirose, H. (1979); A Chapter on "Hoarseness" and "Speech Disorders." In Questions and Answers in Geriatric Practice, pp. 1554-1555, 1960-1961.
- Hirose, H. (1979); A Chapter on "Neurological Examination." In Examination of Vocal Function. (Ed. Jap. Soc. Logopedics and Phoniatrics), Ishiyaku Shuppan, Tokyo, 35-48.
- Hirose, H. (1979); "Recurrent Nerve Paralysis." Atlas of Ear Nose and Throat Diseases - Technique of Examination and Typical Findings. (Ed. I. Kirikae, et al), Nanzando, Tokyo.
- Hirose, H. (1980); A Chapter on "Cleft Palate." In Recent Trends in Therapeutics - 1980. Igaku Shoin, Tokyo.
- Hirose, H. (1980); A Chapter on "Evaluation of Voice." In Hearing and Speech Disorders. (Ed. S. Horiguchi), Ishiyaku Shuppan, Tokyo, 165-170.
- Saito, S. (1979); "Speech." In Handbook of Electronics and Communication Engineering, 1710-1716, Ohm Pub. Co., Tokyo.
- Saito, S. (1979); "Speaker Recognition." In Handbook of Electronics and Communication Engineering, 1773-1774, Ohm Pub. Co., Tokyo.
- Saito, S. (1980); "Speech Recognition and Signal Processing." In Handbook of Information Processing, 321-325, Ohm Pub. Co., Tokyo.
- Sawashima, M. (1979); Chapters of "Physiology of Phonation," "Glottography," "Introduction to Acoustic Analysis of Pathologic Voice," "Maximum Phonation Time" and "Examination of Vocal Pitch." In Clinical Evaluation of Voice. (Ed. by Japan Soc. Logoped. Phoniatic.), Ishiyaku Pub. Co., Tokyo.
- Uyeno, T., H. Hayashibe, H. Yamada and S. I. Harada (1979); "Chookaku-Syoogaiji no Bun-rikai (Sentence Comprehension in Children with Hearing Disorders)." In Kotoba no Okure to Sono Chiryoo (Ed. by S. Sasanuma), Shirizu Kotoba no Syoogai (Eds. by K. Imai and S. Sasanuma) 3, 168-192, Taishukan-Shoten, Tokyo.

4. Monographs

5. Translations