

RECENT PUBLICATIONS

April 1978 - March 1979

A. Publications in English

1. Publications in Periodicals

i. Original Contributions

- Benguereel, A-P., H. Hirose, M. Sawashima and T. Ushijima (1978); Laryngeal Control in French Stop Production: a Fiberscopic, Acoustic and Electromyographic Study. *Folia Phoniatic.* 30, 175-198.
- Fujimura, O., T. Baer and S. Niimi (1979); A stereo-fiberscope with a magnetic interlens bridge for laryngeal observation. *J. Acoust. Soc. Am.* 65 (2), 478-480.
- Hirose, H. (1978); Clinical Observations on 600 Cases of Recurrent Laryngeal Nerve Paralysis. *Auris-Nasus-Larynx (Tokyo)* 5, 39-48.
- Kohda, M. and S. Saito (1978); Mechanical Recognition of Spoken Words. Review of the Electrical Communication Laboratories, 26, 1479-1485.
- Sasanuma, S. and Y. Kobayashi (1978); Tachistoscopic Recognition of Line Orientation. *Neuropsychologia*, 16, 239-242.
- Watomori, T. and S. Sasanuma (1978); The Recovery Processes of Two English-Japanese Bilingual Aphasics. *Brain and Language*, 6, 127-140.

ii. Review Articles

iii. Progress Reports

- Collier, R., L. Lisker, H. Hirose and T. Ushijima (1978); Voicing in Intervocalic Stops and Fricatives in Dutch. Status Report on Speech Research, SR-55/56, 81-102.
- Fujisaki, H., K. Hirose and Y. Katagiri (1978); Transmission of Meaning by Language, *Ann. Bull. RILP* 12, 127-140.
- Hirose, K., H. Fujisaki and M. Sugito (1978); Word Accent in Japanese and English: A Comparative Study of Acoustic Characteristics in Disyllabic Words, *Ann. Bull. RILP* 12, 141-148.
- Hirose, H., H. Yoshioka, and S. Niimi (1978); A Cross Language Study of Laryngeal Adjustment in Consonant Production. *Ann. Bull. RILP*, 12, 61-72.
- Hirose, H., S. Kiritani, T. Ushijima, H. Yoshioka and M. Sawashima (1978); Patterns of Dysarthric Movements in Patients with Parkinsonism. *Ann. Bull. RILP* 12, 73-85.
- Itoh, M., S. Sasanuma, H. Hirose, H. Yoshioka and T. Ushijima (1978); Articulatory Dynamics in a Patient with Apraxia of Speech: X-Ray Microbeam Observation. *Ann. Bull. RILP* 12, 87-96.
- Kiritani, S., E. Takenaka and M. Sawashima (1978); Computer Tomography of the Vocal Tract. *Ann. Bull. RILP* 12, 1-4.
- Sawashima, M., H. Hirose and H. Yoshioka (1978); Abductor (PCA) and Adductor (INT) Muscles of the Larynx in Voiceless Sound Production. *Ann. Bull. RILP* 12, 53-60.

- Shibata, S., A. Ino, S. Yamashita, S. Hiki, S. Kiritani and M. Sawashima (1978); A New Portable Type Unit for Electropalatography. *Ann. Bull. RILP.* 12, 5-10.
- Tatsumi, I. F., S. Sasanuma and H. Fujisaki (1978); Auditory and Visual Perception of Verbal and Nonverbal Stimuli in Aphasic Patients. *Ann. Bull. RILP* 12, 157-166.
- Uyeno, T., S. I. Harada and H. Yamada (1978); Comprehension of Sentences with Giving and Receiving Verbs in Japanese Children. *Ann. Bull. RILP.* 12, 167-185.
- Yokkaichi, A. and H. Fujisaki (1978); Identification of Synthetic Speech Stimuli by Hearing-Impaired Subjects, *Ann. Bull. RILP* 12, 149-156.

#### iv. Abstracts of Meeting Papers

- Fujisaki, H. (1978); From Discrete Linguistic Units to Continuous Speech Characteristics - A Functional Formulation of Articulatory and Phonatory Dynamics. *J. Acoust. Soc. Am.* 64, Suppl. No. 1, S40-S41.
- Fujisaki, H., K. Hirose, M. Mizutani and Y. Sato (1978); A Real-Time Recognition System for Spoken Words. *J. Acoust. Soc. Am.* 64, Suppl. No. 1, S181.
- Higuchi, N. and H. Fujisaki (1978); Production and Perception of Segmental Durations in Spoken Japanese. *J. Acoust. Soc. Am.* 64, Suppl. No. 1, S113.
- Higuchi, N. and H. Fujisaki and S. Sekimoto (1978); Production and Perception of Segmental Durations in Spoken Japanese. *J. Acoust. Soc. Amer.* 64, Suppl. 1, S113.
- Hirose, K., H. Fujisaki and M. Sugito (1978); Word Accent in Japanese and English: A Comparative Study of Acoustic Characteristics in Disyllabic Words, *J. Soc. Am.* 64, Suppl. No. 1, S114.
- Hirose, H. and M. Sawashima (1978); Disturbance of the Rhythmic Structure of Speech in the Dysarthrias. Program of the 96th Meeting, *J. Acous. Soc. Am.* 64, Suppl. No. 1, S93.
- Kiritani, S. and H. Hirose (1978); Correlation Analysis of the Temporal Patterns of Articulatory Movements and EMG, *J. Acoust. Soc. Amer.* 64, Suppl 1, S112.
- Kunisaki, O., N. Higuchi and H. Fujisaki (1978); Extraction of Acoustic Features and the Classification of the Voiceless Affricates /ts/ and /tʃ/ in Japanese. *J. Acoust. Soc. Am.* 64, Suppl. 1, S179-S180.
- Morikawa, H. and H. Fujisaki (1978); Recursive Estimation of Autoregressive Moving-Average Parameters in a Pole-Zero Representation of Speech Production Process. *J. Acoust. Soc. Am.* 64, Suppl. 1, S161.
- Sawashima, M. (1978); Temporal Patterns of Articulatory and Phonatory Controls. *J. Acoust. Soc. Am* 64, Suppl. 1, S112.
- Sekimoto, S. and S. Kiritani (1978); Dynamic Characteristics of Tongue Movements in the Production of Connected Vowels, *J. Acoust. Soc. Am.* 64, Suppl. 1, S42.
- Yokkaichi, A. and H. Fujisaki (1978); Identification of Synthetic Speech Stimuli by Hearing-Impaired Subjects. *J. Acoust. Soc. Am.* 64, Suppl. 1, S52.
- Yoshioka, H. (1978); Laryngeal Adjustments during Japanese Fricative and Devoiced Vowel Production. *ASHA* 20, 748.

- Yoshioka, H., and H. Hirose (1978); Laryngeal Adjustments in Japanese Words Accent. J. Acoust. Soc. Am, 64, Suppl. 1, S89.
- Sawashima, M., H. Hirose and H. Yoshioka (1978); Laryngeal Muscle Activities in Relation to Glottal Shape in Voiceless Sound Production. J. Acoust. Soc. Am. 64, Suppl. 1, S89.

2. Contributions in Meeting Proceedings, etc.

i. Printed Full Texts of Symposium Papers, etc.

- Hirose, H. (1979); Laryngeal EMG. Proceedings of the International Symposium on the Larynx, San Francisco, March 28-29
- Hirose, H., S. Kiritani, T. Ushijima and M. Sawashima (1979); Physiological Studies of the Speech Dynamics in the Dysarthrias. IALP Congress Proceedings, Copenhagen 1977. Phonia-Arthria 1, 669-676.
- Kirikae, I. M. Sawashima, H. Hirose and H. Fujisaki (1978); The Simulation of Children's Speech by Adult Actresses. IALP Congress Proceedings. Copenhagen 1977. Phonia-Arthria I, 321-327.
- Saito, S. and S. Furui (1978); Personal Information in Dynamic Characteristics of Speech Spectra. Proceedings of the Fourth International Joint Conference on Pattern Recognition, Nov. 7-10, 1978, Kyoto, 1014-1018.
- Sasanuma, S. (1978); Dyslexia in Japanese: Clinical Features and Underlying Mechanisms. Cambridge Conference on Deep Dyslexia, Cambridge, Sept. 1978, 1-22.
- Sasanuma, S., M., Itoh, Y. Kobayashi and Y. Horii (1978); Effects of Aging on Voice Fundamental Frequencies. The XIth International Congress of Gerontology, Tokyo, August, 1978, 52-53.
- Sawashima, M., H. Yoshioka, K. Honda, T. Ushijima and H. Hirose (1978) Clinical Evaluation of Air Usage During Phonation IALP Congress Proceedings. Copenhagen 1977, Phonia-Arthria 1, 419.
- Ushijima, T., M. Sawashima and H. Hirose (1978); A Kinesiographical Aspect of Myasthenia Gravis - An Electromyographic Study of Velar Movements During Speech. IALP Congress Proceedings. Copenhagen 1977. Phonia-Arthria 1, 677-686.

ii. Preprints of Meeting Papers in Proceedings or Digests

- Hirose, H. and M. Sawashima (1978); Articulatory Dynamics in the Dysarthrias. Program of 1978 Annual-Convention, ASHA.

3. Contributions in Separate Publication

i. Papers in Festschriften and Anthologies

- Fujisaki, H. (1979); On the Modes and Mechanisms of Speech Perception - Analysis and Interpretation of Categorical Effects in Discrimination, to appear in Frontiers of Speech Communication Research (B. Lindblom and S. Öhman, eds.), Academic Press (London), 177-189.

ii. Part of a Textbook or Handbook

4. Monographs

## B. Publications in Japanese

### 1. Publications in Periodicals

#### i. Original Contributions

- Abe, M., M. Sawashima and Y. Fukusako (1979); "Nasal Articulation" as a Type of Articulation Disorder. *Jap. Jour. Logoped. Phoniat.* 20, 1-7.
- Endo, T., Y. Fukusako and S. Sasanuma (1978); Recovery Processes of Three Aphasic Patients with Gerstmann Syndrome. *The Japan Journ. Logoped. Phoniat.* 19, 237-250.
- Fukusako, Y., H. Monoi and S. Sasanuma (1978); Recovery Patterns and Prognosis in Aphasic Patients. *Communication Disorder Research*, 7, 19-34.
- Fukusako, Y. and S. Sasanuma (1978); Construction of a Short Test of Aphasia. *Sogo Rehabilitation*, 6, 433-439.
- Fukusako, Y. and S. Sasanuma (1978); Construction of a Short Test of Aphasia on the Basis of Factor Analysis. *The Jap. Journ. Logoped. Phoniatr.* 19, 174-192.
- Hirose, H. (1978), Voice Disorders in the Female as a Side-effect of Administration of Virilizing Agents. *Nihon-rinshoh* 36, 1864-1865.
- Hirose, H., S. Kiritani, H. Yoshioka, T. Ushijima, and M. Sawashima (1978); A Study of Articulatory Dynamics in the Dysarthrias. Part II: Parkinsonism. *Jap. Jour. Otol. Tokyo*, 81, 547-553.
- Itoh, M., S. Sasanuma, T. Ushijima, H. Hirose and H. Yoshioka (1978); Articulatory Dynamics in a Patient with Apraxia of Speech -- Fiberscopic and X-Ray Microbeam Observations- -. *The Jap. Journ. Logop. Phon.* 19, 285-296.
- Kohda, M. and S. Saito (1978); Mechanical Recognition of Spoken Words. *Elec. Commun. Lab. Tech. Journ.* 27, 1097-1117.
- Kumai, K., H. Ogawa, Y. Shiraishi, S. Monoi, Y. Fukusako and H. Hirose (1978); Speech Characteristics in Parkinsonism, *Jap. Jour. Logop. Phon.* 19, 267-273.
- Uyeno, T. (1978); Zyuzyu-dooshi to Keigo (Giving and Recieving Verbs and Honorifics). *Nihongo Kyoiku (Journal of Japanese Language Teaching)*, 35, 40-48.
- Watamori, T. and S. Sasanuma (1978); Communication Management for A Aphasic Patients. *Jap. Journ. Rehab. Med.* 15, 95-105.

#### ii. Review Articles

- Hirose, H. (1979); Voice and Speech Disorders in Children. *Jap. Journ. Pediatr. Surg.* 11, 411-416.
- Sasanuma, S. (1979); Disintegration of Language. *The Jap. Journ. Nurs. Science.* 4, 69-76.
- Sasanuma, S (1978); Rehabilitation of Communication Disorders in the Aged. *Aging Society and Aging Problem. Jurist. Special Issue* 12, 162-167.

#### iii. Progress Reports

#### iv. Abstracts of Meeting Papers

- Hirose, H., S. Kiritani, M. Sawashima and T. Ushijima (1978); Dynamic Patterns of Articulatory Movements in Patients with Parkinsonism. *Jap. Jour. Otol.* Tokyo, 81, 1291-1293,
- Hirose, H., M. Sawashima, S. Niimi, S. Iwamura and T. Ushijima (1978), Unilateral Block of the Recurrent Laryngeal Nerve as a Treatment of Spastic Dysphonia. *Jap. Jour. Logoped. Phoniat.* 20, 60-61.
- Itoh, K., S. Kikkawa, S. Niwa, K. Yamada, Y. Saito, H. Sasaki, and S. Izawa (1979); Auditory Evoked Response and Selective Attention. *Jap. Jour. Electroencephalography and Electromyography*, 7, 42.
- Okazaki, H., T. Onizuka, T. Akagawa, M. Abe, M. Sawashima and N. Suzuki (1979); Palatalized Articulation as an Articulation Error; Observation by use of Cinefluorography and Electropalatography. *Jap. Jour. Logoped. Phoniat.* 20, 69-70.
- Ushijima, T., M. Abe, J. Yano, M. Sawashima, H. Hirose, H. Yoshioka and H. Iida (1978); Tongue Thrust during Speech. *Jap. Jour. Otol.* Tokyo, 81, 1293 - 1294.

#### 2. Contributions in Meeting proceedings, etc.

##### i. Printed Full Texts of Symposium Papers, etc.

- Fujisaki, H. (1979); Report of the Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan 1978 - Speech Communication - , Transactions of Committee on Speech Research, Acoust. Soc. Japan, S78-59.
- Fujisaki, H. and H. Yoshida (1978); Timing Control in the Synthesis of Connected Vowels and Semivowels. *Trans. Commit. Speech Research Acoust. Soc. Japan*, S78-01.
- Furui, S. and S. Saito (1978); Talker Recognition by Dynamical Features of Speech Spectra. *Trans. Comm. Pattern Recognition and Learning, Institute of Electronics and Communication Engineers of Japan*, PRL 78-30, 71-80.
- Hakamatani, T., K. Hashimoto, S. Sekimoto and S. Kiritani (1978); Dynamic Characteristics of Tongue Movements for Vowels, Transactions of Committee on Speech Research, Acoust. Soc. Japan, S78-04.
- Higuchi, N. and H. Fujisaki (1978); Temporal Organization of Segmental Features in Two-mora Words Consisting of Vowels. *Transactions of Committee on Speech Research, Acoust. Soc. Japan*, S78-37.
- Hirose, H., H. Yoshioka, S. Niimi and M. Sawashima (1978); A Cross Language Study of Laryngeal Adjustment in Consonant Production. *Transactions of Committee on Speech Research, Acoust. Soc. Japan* S78-34.
- Hirose, H., M. Sawashima and H. Fujisaki (1978); Analysis of Temporal Relationship Between Segmental and Suprasegmental Features in Two Mora Words. *Special Research Project of "Language", Ministry of Education, The Sawashima Group, Report No. 53-3.*
- Hirose, K., H. Fujisaki and M. Sugito (1978); Acoustic Correlates of Word Accent in English and Japanese. *Transactions of Committee on Speech Research, Acoust. Soc. Japan* , S78-41.
- Itoh, K. (1979); Auditory and Motor Integration Mechanism in Verbal Behavior. *Proceedings of the Symposium on Biocontrol and*

Information Theory, Tokyo

- Itoh, K. and S. Saito (1979); Effect of Acoustic Feature Parameters of Speech on Perceptual Identification of Speaker, Transactions of Committee on Speech Research, Acoust. Soc. Japan, S78-54, 409-414.
- Itoh, M., I. F. Tatsumi, Y. Kobayashi and S. Sasanuma (1979); The Voice Onset Time in Apraxia of Speech. Special Research Project of 'Language', Ministry of Education, The Sawashima Group, Report 53-11.
- Katagiri, Y., H. Fujisaki and K. Ozeki (1979); Sentence Production and Information Transmission. Report of Technical Group on Automata and Languages, the Institute of Electronics and Communication Engineers of Japan, AL 78-92.
- Kiritani, S., H. Hirose and M. Sawashima (1978); Coarticulation Between Consonant and Adjacent Vowels - X-ray Microbeam Study on Japanese and English -. Special Research Project of 'Language', Ministry of Education, The Sawashima Group, Report No. 53-7.
- Kunisaki, O., N. Higuchi and H. Fujisaki (1978); Feature Extraction and Classification of Voiceless Affricates /ts/ and /t /. Transactions of Committee on Speech Research, Acoust. Soc. Japan, No. S78-09.
- Mizutani, M., K. Hirose, H. Fujisaki and Y. Sato (1978); Real-Time Recognition System for Spoken Words Using Microprocessors . Transactions of Committee on Speech Research, Acoust. Soc. Japan, No. S78-21.
- Morikawa, H. and H. Fujisaki (1979); Noise-Reduction and Its Evaluation by Adaptive Kalman Filtering for the Speech Signal. Transactions of Committee on Speech Research, Acoust. Soc. Japan, No. S78-56.
- Niimi, S. (1978); The Pharyngeal Wall Movement during Speech - A Preliminary Report - Transactions of Committee on Speech Research, Acoust. Soc. Jap., S78-33.
- Niimi, S., S. Kiritani, H. Hirose, N. Takahashi, K. Yana, and K. Shirai (1979); Some basic Studies on Recording and Processing Techniques In EMG data Assessment. Transactions of Committee on Speech Research, Acoust. Soc. Jap. S78-75.
- Sugito, M. and H. Fujisaki (1978); Individual and Dialectal Differences in Perception and Production of Japanese Word Accent. Transactions of Committee on Speech Research, Acoust. Soc. Jap. S78-51.
- Tatsumi, M., and H. Fujisaki (1978); Acoustic Characteristics of Sung Vowels. Transactions of Committee on Speech Research, Acoust. Soc. Japan, S78-08.
- Uyeno, T., H. Hayashibe and H. Yamada (1979); Oorai-dooshi no Rikai no Hattatsu ni Kansuru Zikkenteki Kenkyuu (An Experimental Study on the Comprehension of Sentences with iku 'go' and kuru 'come' in Japanese Children). Transactions of Committee on Speech Research, Acoust. Soc. Japan, S78-71, H58-12.
- Uyeno, T., H. Hayashibe and K. Imai (1978); Fukubun no Intoneishon (Intonation of Complex Sentences in Japanese). Special Research Project of 'Language', Ministry of Education, The Sawashima Group, Report 53-9.
- Yokkaichi, A. and H. Fujisaki (1978); Identification Accuracy for Various Speech Sounds in Hearing-Impaired Subjects. Transactions of

Committee on Speech Research, Acoust. Soc. Japan S78-28,  
Yokkaichi, A. and H. Fujisaki (1979); Identification of Voiceless Conso-  
nants in Hearing-Impaired Subjects. Transactions of Committee on  
Speech Research, Acoust. Soc. Japan, S78-63.  
Yonemoto, K., S. Kiritani and H. Hirose (1978); A Correlation Analysis  
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Velum During Speech. Transactions of Committee on Speech  
Research, Acoust. Soc. Japan, S78-36.

ii. Preprints of Meeting Papers in Proceedings or Digests

- Fujisaki, H., K. Hirose, M. Mizutani, H. Shibagaki and Y. Sato (1978);  
A real-time Speech Recognition System Using Microprocessors.  
Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan,  
601-602.
- Fujisaki, H., K. Hirose, Y. Katagiri and W. Takeuchi (1978); Quantifica-  
tion of the Process of Transmission of Meaning by Language.  
Record of the National Convention of the Institute of Electronics and  
Communication Engineers of Japan, 5-194.
- Fujisaki, H., N. Higuchi and H. Yoshida (1978); Characteristics of For-  
mant Frequency Trajectories of Vowels and Semivowels. Reports  
of the 1978 Spring Meeting of the Acoust. Soc. Jap. 575-576.
- Fujisaki, H. and N. Higuchi (1978); Durational Study of Vowels in Two-  
Mora Words. Reports of the 1978 Autumn Meeting of the Acoustical  
Soc. Japan, 307-308.
- Fujisaki, H. and S. Mizuno (1978); Experimental Study on the Process of  
Transmission of Meaning by a Word (1). Record of the 42nd Con-  
vention on the Japanese Psychological Association, 784-785.
- Fujisaki, H. and Y. Katagiri (1978); Formulation of the Process of Trans-  
mission of Meaning by a Word. Record of the 42nd Convention of the  
Japanese Psychological Association, 782-783.
- Furui, S. and S. Saito (1978); Talker Recognition by Dynamical Features  
of Speech Spectra. Reports of the 1978 Spring Meeting of the Acoust.  
Soc. Japan, 6171-618.
- Furui, S. and S. Saito (1978); Talker Recognition Using Dynamical Features  
of Speech Spectra. Reports of the 1978 Autumn Meeting of the Acoust.  
Soc. Japan, 369-370.
- Hakamata, T., K. Hashimoto, S. Sekimoto and S. Kiritani (1978); Dyna-  
mic Characteristics of Tongue Movements in the Production of Con-  
tinuous Vowels. Reports of the 1978 Spring Meeting of the Acoust.  
Soc. Japan, 179.
- Hirose, K., H. Fujisaki and M. Sugito (1978); Acoustic Characteristics of  
Word Accent in Disyllabic English Words. Reports of the 1978  
Autumn Meeting of the Acoust. Soc. Japan, 309-310.
- Hirose, K., H. Fujisaki and M. Sugito (1978); Comparison of Acoustic  
Features of Word Accent Types in English and Japanese. Reports of  
the 1978 Spring Meeting of the Acoust. Soc. Japan, 27-28.
- Itoh, K., S. Furui and S. Saito (1978); Time Averaged Stability of Dynamic  
Personal Information in Speech Spectra. Reports of the 1978 Autumn  
Meeting of the Acoust. Soc. Japan, 367-368.
- Itoh, K., S. Kikkawa, S. Niwa, K. Yamada, Y. Saito, H. Sasaki and S.

- Izawa (1978); Auditory Evoked. Response and Selective Attention. Preprints of the 8th Convention of the Japan Soc. of Electroencephalography and electromyography, Kanazawa, 56.
- Kiritani, S. and H. Hirose (1978); Timing of the Consonant and Vowel Articulations in American English. Reports of the 1978 Autumn Meeting of the Acoust. Soc. Japan, 391.
- Kunisaki, O., T. Suehiro and H. Fujisaki (1978); Analysis and Feature Extraction of Voiceless Affricates. Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan 587-588.
- Mizutani, M., H. Morikawa, H. Fujisaki and Y. Sato (1978); A High-Speed Voice Parameter Extractor (VPEX) for Real-Time Recognition of Spoken Words. Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 597-598.
- Morikawa, H. and H. Fujisaki (1978); Evaluation of Noise-Reduction by Kalman Filtering in the Speech Transmission. Reports of the 1978 Autumn Meeting of the Acoust. Soc. Japan, 337-338.
- Morikawa, H. and H. Fujisaki (1978); Feature Extraction of Voiceless Stop Feature Consonants Based on a Pole-Zero Model. Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 583-584.
- Niimi, S., F. Bell-Berti (1978); Dynamic Observation of the Pharynx and the Velum. Reports of the 1978 Spring Meeting, the Acoust. Soc. Japan, 37.
- Niimi, S., K. Honda, T. Kobayashi, T. Ushijima, H. Hirose and M. Sawashima (1978); Some differences of the Laryngeal View by Indirect and Direct Laryngoscopy. Reports of the 30th Meeting, The Japan Broncho-Esophagological Society, 33.
- Saito, S. (1978); Present Status and Future Problems of Speech Information Processing Research. Summer Seminar of the Audio and Visual Information Research Group, Tokyo, 1, Sept 6-8.
- Sawashima, M., H. Hirose, H. Yoshioka and S. Niimi (1978); Activities of the Laryngeal Muscles in Relation to Glottal Shape for Voiceless Sounds. Reports of the 1978 Spring Meeting, Acoust. Soc. Japan, 31-32.
- Sibagaki, H., K. Hirose, H. Fujisaki and Y. Sato (1978); Real-Time Recognition of Monosyllables and Spoken Words Based on Multi-Stage Matching. Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 599-600.
- Suehiro, N. and H. Fujisaki (1978); A Method for Training the Ability of Inductive Inference Based on an Index of Systematization of Acquired Knowledge. Record of the Annual Convention of the Japan Society Science Education, 173.
- Suehiro, N. and H. Fujisaki (1978); Quantitative Evaluation of Non-deductive Inference, Record of the National Convention of the Institute of Electronics and Communication Engineers of Japan, 5-241.
- Suehiro, T., O., Kunisaki and H. Fujisaki (1978); Analysis and Feature Extraction of Voiceless Fricative Consonant /h/, Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 589-590.
- Sugito, M. and H. Fujisaki (1978); Dialectal Differences in Perception of Japanese Word Accent, Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 25-26.



- Tatsumi, M., O. Kunisaki, N. Higuchi, and H. Fujisaki (1978); Acoustic Correlates of Sonority in Sung Vowels, Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 29-30.
- Yokkaichi, A. and H. Fujisaki (1978); Identification Accuracy for Various Speech Sounds in Hearing- Impaired Subjects. Reports of the 1978 Autumn Meeting of the Acoust. Soc. Japan, 423-424.
- Yokkaichi, A. and H. Fujisaki (1978); Identification of Synthetic Speech Sounds by Hard-of-Hearing Subjects. Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 135-136.
- Yonemoto, K., S. Kiritani and H. Hirose (1978); Correlation Analysis of Velar Movement and EMG During Speech. Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 39.
- Yoshida, H., N. Higuchi and H. Fujisaki (1978); A study on Parameters for Synthesis of Connected Vowel-like Sounds. Reports of the 1978 Spring Meeting of the Acoust. Soc. Japan, 21-22.

### 3. Contributions in Separate Publications

#### ii. Part of a Textbook or Handbook

- Hirose, H. (1979); A Chapter on "Tracheotomy". In Questions and Answers in Surgical Practice, 509-510.
- Hirose, H. (1979); A Chapter on "Voice Disorders". In Clinical Otorhinolaryngology, Vol. 4 (S. Sawaki et. al., eds.) Chugai Igaku, Tokyo.
- Hirose, H. (1979); Items on "Breathy Voice", "A sthenic Voice", "Rough Voice", "Spastic Dysphonia", "Laryngeal Web", "Vocal Cord Polyp", "Disorders of Resonance", "Acoustic Analysis of Voice and Speech" and "Adductor Paralysis". In Gengosho-gai-Jiten (Dictionary of Speech Pathology) (H. Uchisugawa and K. Takano, eds.) Iwasaki. Gakujutsu Pub. Tokyo.
- Itoh, K. (1978); "Biofeedback". In Handbook of Bio-Medical Engineering, 471-472, Corona Publishing Co., Tokyo.
- Matayoshi, M., K. Itoh, and T. Akatsuka (1978); "Bridge". In Handbook of Bio-Medical Engineering, 501-502, Corona Publishing Co., Tokyo.
- Sasanuma, S. (1979); "Disorders of Speech and Language". In Aphasia and Therapeutic Approaches: Communication Disorders Series 2, S. Sasanuma (ed.), 4-16, Taishukan-Shoten, Tokyo.
- Sasanuma, S. (1979); "Introduction to Aphasia". In Aphasia and Therapeutic Approaches. Communication Disorders Series 2, S. Sasanuma (ed.), 20-51, Taishukan-Shoten, Tokyo.
- Sasanuma, S. (1978); "The Concept of Communication Disorders". In Education and Welfare of Speech and Hearing Handicapped, N. Sato and A. Okada (eds), 271-291, Tosho-Bunka, Tokyo
- Sawashima, M. (1979); Items on "Glottography", "Ginrei-kai", "Prof. Dr. Lucksinger", "Laryngoscopy", "Primary Tone", "International Association of Logopedics and Phoniatics", "Experiemntal Phonetics", "Esophageal Speech", "Stroboscopy", "The Japan Society of Logopedics and Phoniatics", and "Miss Joan H. Van Tal". In Gengoshogai-Jiten [Dictionary of Speech Pathology], (H. Uchisugawa and K. Takano, eds.), Iwasaki Gakujutsu Pub. Tokyo.

Sawashisma, M. (1978); Sections on 'Mechanism of Speech and Voice Production' and 'Pathology and Treatment of Voice Disorders' in N. Sato and A. Okada (eds.), Education and Welfare for Speech and Hearing Handicapped. Toshobunka, Pub.

Watamori, T. and S. Sasanuma (1978); "Communication Disorders and Activities of Daily Living". In Activities of Daily Living, H. Tsuchiya, et al. (eds.), 289-299, Ishiyaku-Shuppan, Tokyo.

#### 4. Monographs

Fukusako, Y. and S. Sasanuma (1978); A Short Test for Aphasia. Yaesu Rehabilitation Co., Tokyo.

Sasanuma, S. (1978); The Diagnostic Test for Aphasia. Yaesu Rehabilitation Co., Tokyo.

#### 5. Translations