

BIBLIOGRAPHY

Abbreviations used in this bibliography:

CLS Chicago Linguistic Society
CUP Cambridge University Press
ICPhS International Congress of the Phonetic Sciences
ICSLP International Conference on Spoken Language
Processing
JASA: Journal of the Acoustic Society of America
MIT Massachusetts Institute of Technology
NELS: North Eastern Linguistic Society
RILP Research Institute of Logopedics and Phoniatics
UCP University of Chicago Press

Abacus Concepts (1994) *StatView* manual. Berkeley, CA: Abacus Concepts, Inc.

Beckman, Mary E. (1982) Segment duration and the 'mora' in Japanese. *Phonetica* **39**: 113~135.

Beckman, Mary E. (1994) When is a syllable not a syllable? *Ohio State Working Papers in Linguistics* No. 44, Papers From the Linguistics Laboratory, pp. 50~69. Columbus, OH: The Ohio State University.

Beckman, Mary E. & A. Shoji (1984) Spectral and perceptual evidence for CV coarticulation in devoiced /si/ and /syu/ in Japanese. *Phonetica* **41**: 61~71.

Beckman, Mary E. & Janet B. Pierrehumbert (1986) Intonational structure in Japanese and English. *Phonology Yearbook* **3**: 255~309.

Best, Catherine T., Gerald W. McRoberts & Nomathemba M. Sithole (1988) Examination of perceptual reorganization for nonnative speech contrasts: Zulu click discrimination by English-speaking adults and infants. *Journal of Experimental Psychology: Human Perception and Production* **14.3**: 345~360.

Blevins, Juliette (1994) Syllable in Phonological Theory. In John A. Goldsmith (ed) *The Handbook of Phonological Theory* pp. 206~244. Cambridge: Blackwell Publishers.

Bloch, Bernard (1950) Studies in Colloquial Japanese. Part IV: Phonemics. *Language* **26**: 86~125.

- Borden, Gloria J., Katherine S. Harris & Lawrence J. Raphael (1994) *Speech Science Primer: Physiology, Acoustics, and Perception of Speech*, 3rd ed. Baltimore, MD: Williams & Wilkins.
- Browman, Catherine P. (1995) Assimilation as gestural overlap: comments on Holst and Nolan. In Bruce Connel & Amalia Arvaniti (eds) *Phonology and Phonetic Evidence: Papers in Laboratory Phonology IV* pp. 334~342. Cambridge: CUP.
- Browman, Catherine P. & Louis M. Goldstein (1986) Toward an articulatory phonology. *Phonology Yearbook* **3**: 219~252.
- Browman, Catherine P., & Louis M. Goldstein (1990) Gestural specification using dynamically-defined articulatory structures. *Journal of Phonetics* **18**: 299~320.
- Browman, Catherine P., & Louis M. Goldstein (1992) Articulatory phonology: an overview. *Phonetica* **49**: 155~180.
- Burnham, Denis K., Lynda J. Earnshaw & John E. Clark (1991) Development of categorical identification of native and non-native bilabial stops: infants, children and adults. *Journal of Child Language* **18**: 231~260.
- Campbell, Nick (1992) Segmental elasticity and timing in Japanese speech. In *Speech Perception, Production and Linguistic Structure*. Ohmsha: Tokyo.
- Catford, John Cunnison (1977) *Fundamental Problems in Phonetics*. Edinburgh: Edinburgh University Press.
- Clements, George N. (1990) The role of the sonority cycle in core syllabification. In John Kingston & Mary E. Beckman (eds) *Papers in Laboratory Phonology I: Between the Grammar and Physics of Speech* pp. 283~333. Cambridge: Cambridge University Press.
- Clements, George N. (1991) Place of articulation in consonants and vowels: A unified theory. In *Working Papers of the Cornell Phonetics Laboratory* **5**: 37~76. Ithaca, NY: Cornell University.
- Clements, George N. & Hume (1995) The internal organization of speech sounds. In John G. Goldsmith (ed) *The Handbook of Phonological Theory* pp. 245~306. Cambridge: Basil Blackwell Inc.
- Davis, Katharine (1994) Stop voicing in Hindi. *Journal of Phonetics* **22**: 177~193.
- Davis, Katharine (1995) Phonetic and phonological contrasts in the acquisition of voicing: voice onset time production in Hindi and English. *Journal of Child Language* **22.2**.

- Farnetani, Edda (1997) Coarticulation and connected speech processes. In William J. Hardcastle & John Laver (eds) *The Handbook of the Phonetic Sciences*. Oxford: Blackwell Publishers Ltd.
- Goldstein, Louis M. (1990) On articulatory binding: Comments on Kingston's paper. In John Kingston & Mary Beckman (eds) *Papers in Laboratory Phonology I: Between the Grammar and Physics of Speech* pp. 445~450. Cambridge: CUP.
- Gravetter, Frederick J. & Larry B. Wallnau (1996) *Statistics for the Behavioral Sciences* 4th ed. St. Paul, MN: West Publishing Co.
- Gynan, Shaw N., & Rudolph Weiss (1995) Naturalistic elicitation of acoustical parameter shift of /r/ and /l/ in the speech of Japanese ESL students. In Kjell Elenius & Peter Branderud (eds) *Proceedings of the XIIIth International Congress of Phonetic Sciences: ICPHS 95* 1: 290~293. Stockholm: Swedish Royal Institute of Technology and Stockholm University.
- Hahn, Reinhart F. (1991) *Spoken Uyghur*. Seattle: University of Washington Press.
- Hall, Tracy A. (1990) *Syllable Structure and Syllable-related Processes in German*. Doctoral dissertation, University of Washington.
- Halle, Morris (1992) Phonological features. *International Encyclopedia of Linguistics* vol. 3. W. Bright (ed). pp. 207~212. Oxford: Oxford University Press.
- Halle, Morris & Jean-Roger Vergnaud (1987) *An Essay on Stress*. Cambridge: MIT Press.
- Han, Mieko S. (1962a) The feature of duration in Japanese. *Onsei no Kenkyuu (Phonetic Research)* 10: 65~80.
- Han, Mieko S. (1962b) Unvoicing of vowels in Japanese. *Onsei no Kenkyuu (Phonetic Research)* 10: 81~100.
- Han, Mieko S. (1994) Acoustic manifestations of mora timing in Japanese. *JASA* 96.1: 73~82.
- Haraguchi, Shosuke (1977) *The Tone Pattern of Japanese: An Autosegmental Theory of Tonology*. Tokyo: Kenkyuusha.
- Hasegawa, Nobuko (1979) Fast Speech vs. Casual Speech. In P.R. Clyne, W.F. Hanks & C.L. Hofbauer (eds) *Papers from the Fifteenth Regional Meeting of the Chicago Linguistic Society* pp. 126~137. Chicago: Chicago Linguistic Society.

- Hatch, Evelyn & Anne Lazaraton (1991) *The Research Manual: Design and Statistics for Applied Linguistics*. Boston: Heinle & Heinle Publishers.
- Hattori, Shiroo (1954) Oninron kara mita Nihongo no akusento. (Japanese accent as seen from phonology.) *Kokugo Kenkyuu (Japanese Research)* **2**.
- Hayes, Bruce (1989) Compensatory Lengthening in moraic phonology. *Linguistic Inquiry* **20**: 253~306.
- Hayes, Bruce (1990) Precompiled Phrasal Phonology. In Sharon Inkelas & Draga Zec (eds) *The Phonology-Syntax Connection* pp. 85~108. Chicago: UCP.
- Hayes, Bruce (1992) Comments on chapter 10. (Nolan 1992) In Gerard J. Docherty & D. Robert Ladd (eds) *Papers in Laboratory Phonology II: Gesture, Segment, Prosody* pp. 280~285. Cambridge: CUP.
- Higashikawa, M., K. Nakai, A. Sakakura & H. Takahashi (1996) Perceived Pitch of whispered voice—Relationship with formant frequencies: a preliminary study. *Journal of Voice* **10.2**: 155~158.
- Hirose, Hajime (1971) The activity of the adductor laryngeal muscles in respect to vowel devoicing in Japanese. *Phonetica* **23**: 156~170.
- Holst, Tara & Francis Nolan (1995) The influence of syntactic structure on [s] to [ʃ] assimilation. In Bruce Connel & Amalia Arvaniti (eds) *Phonology and Phonetic Evidence: Papers in Laboratory Phonology IV* pp. 315~333. Cambridge: CUP.
- Homma, Yayoi (1973) An acoustic study of Japanese vowels: Their quality, pitch, amplitude and duration. *Study of Sounds* **16**: 347-368.
- Homma, Yayoi (1980) Voice Onset Time in Japanese stops. *Onsei Gakkai Kaihoo (Bulletin of the Phonetic Society of Japan)* **163**: 3~9.
- Homma, Yayoi (1981) Durational relationship between Japanese stops and vowels. *Journal of Phonetics* **9**: 273~281.
- Hume, Elizabeth (1992) *Front vowels, coronal consonants, and their interaction in nonlinear phonology*. Ph. D. dissertation, Cornell University.
- Imaizumi, Satoshi, Akiko Hayashi & Toshisada Deguchi (1995) Listener adaptive characteristics of vowel devoicing in Japanese dialogue. *JASA* **98.2.1**: 768~778.
- Iverson, Gregory K. (1989) On the category Supralaryngeal. *Phonology* **6**: 285~303.

- Iverson, Gregory K. & Joseph C. Salmons (1995) Aspiration and laryngeal representation in Germanic. *Phonology* **12**: 369~396.
- Jannedy, Stefanie (1995) Gestural phrasing as an explanation for Vowel Devoicing in Turkish. *Ohio State Working Papers in Linguistics* **45**: 56~84.
- Jun, Sun-Ah, & Mary E. Beckman (1993) A gestural-overlap analysis of vowel devoicing in Japanese and Korean. Paper presented at the 1993 Annual Meeting of the Linguistic Society of America, January 1~10, 1993, Los Angeles, CA.
- Kaisse, Ellen M. (1985) *Connected Speech: The Interaction of Syntax and Phonology*. Orlando, FL: Academic Press.
- Kaisse, Ellen M. (1990) Toward a typology of Postlexical rules. In Sharon Inkelas & Draga Zec (eds) *The Phonology-Syntax Connection*, pp. 127~143. Chicago: UCP.
- Kaisse, Ellen M. (1992) Can [consonantal] spread? *Language* **68**: 313~332.
- Kaisse, Ellen M. (1993) Rule Reordering and Rule Generalization in Lexical Phonology: A Reconsideration. In Sharon Hargus & Ellen M. Kaisse (eds) *Phonetics & Phonology: Studies in Lexical Phonology* pp. 343~363. New York: Academic Press.
- Kaisse, Ellen M., & Patricia Shaw (1985) On the theory of Lexical Phonology. *Phonology Yearbook* **2**: 1~30.
- Kamprath, Christine (1986) The syllabification of post-consonantal glides: Post-peak distinctions. *NELS* **16**: 217~229.
- Kari, James (1990) *Ahtna Athabaskan Dictionary*. Fairbanks: Alaska Native Language Center, University of Alaska.
- Kawakami, Shin (1977) *Nihongo Onsei Gaisetsu (An Overview of Japanese Phonetics)*. Tokyo: Oofuusha.
- Kawasaki, H. (1983) Models and data on the temporal regulation of speech: Isochrony in Japanese and English. *Journal of the Acoustical Society of Japan* **39.6**: 389~397. (in Japanese)
- Keating, Patricia A. (1988) Palatals as complex segments: X-ray evidence. *UCLA Working Papers in Phonetics* **69**: 77~91.
- Keating, Patricia A. (1993) Phonetic representation of palatalization versus fronting. *UCLA Working Papers in Phonetics* **85**: 6~21.

- Kenstowicz, Michael J. (1994) *Phonology in Generative Grammar*. Cambridge: Blackwell Publishers.
- Kenstowicz, Michael & Charles Kisseberth (1979) *Generative Phonology*. Orlando, FL: Academic Press.
- Keyser, Samuel Jay & Kenneth N. Stevens (1994) Feature geometry and the vocal tract. *Phonology* **11**: 207~236.
- Kim, Chin-Wu (1970) A theory of aspiration. *Phonetica* **21**: 107~116. Reprinted in *Sojourns in Language I (Collected Papers by Chin-Wu Kim)* Seoul: Tower Press, 1988, pp. 73~82.
- Kingston, John (1990) Articulatory binding. In John Kingston & Mary Beckman (eds) *Papers in Laboratory Phonology I: Between the Grammar and Physics of Speech* pp. 406~434. Cambridge: CUP.
- Kingston, John & Randy Diehl (1994) Phonetic knowledge. *Language* **70.3**: 419~454.
- Kiritani, Shigeru, Hajime Hirose, Kikuo Maekawa, H. Kawashima & Tsutomu Sato (1991) Electromyographic studies on the production of pitch contour in accentless dialects in Japanese. *Annual Bulletin of the RILP* **27**: 1~16; University of Tokyo.
- Kitahara, Mafuyu (1997) Pitch accent, phrase tones, and vowel devoicing in Tokyo Japanese. *JASA* **101.5**: 3195.
- Kitahara, Mafuyu (1998) Vowel devoicing and the loss of lexical accent in Tokyo Japanese. Paper presented at the 1998 ASA meeting, Seattle, WA, U.S.A., June 22~26, 1998.
- Klatt, D.H. (1976) Linguistic uses of segment duration in English: Acoustic and perceptual evidence. *JASA* **59**: 1208~1221.
- Kondo, Mariko (1993) The effects of blocking factors and constraints on consecutive vowel devoicing in Standard Japanese. Poster presented at the Fourth Conference on Laboratory Phonology, Oxford, England, August 11~14, 1993.
- Kondo, Mariko (1994) Mechanisms of vowel devoicing in Japanese. In *Proceedings of the 1994 International Conference on Spoken Language Processing*. Acoustical Society of Japan., pp. 61~64.
- Kondo, Mariko (1997) *Mechanisms of vowel devoicing in Japanese*. Ph. D. dissertation, University of Edinburgh.

- Kubozono, Haruo (1995) Perceptual evidence for the mora in Japanese. In Bruce Connel & Amalia Arvaniti (eds) *Phonology and Phonetic Evidence: Papers in Laboratory Phonology IV* pp. 141~156. Cambridge: CUP.
- Kuhl, Patricia K., K. A. Williams, Fransisco Lacerda, K. N. Stevens & B. Lindblom (1992) Linguistic experience alters phonetic perception in infants by 6 months of age. *Science* **255**: 606~608.
- Kuriyagawa, Fukuko & Masayuki Sawashima (1989) Word accent, devoicing and duration of vowels in Japanese. *Annual Bulletin of the RILP* **23**: 85~108; University of Tokyo.
- Ladefoged, Peter (1993) *A Course in Phonetics* 3rd ed. Orlando, FL: Hartcourt Brace Jovanovich College Publishers.
- Ladefoged, Peter (1996) *Elements of Acoustic Phonetics* 2nd ed. Chicago: UCP.
- Ladefoged, Peter & Ian Maddieson (1990) Vowels of the world's languages. *Journal of Phonetics* **18**: 93~122.
- Ladefoged, Peter & Ian Maddieson (1996) *The Sounds of the World's Languages*. Oxford: Blackwell Publishers.
- Lahiri, Aditi, & Vincent Evans (1991) Palatalization and Coronality. In Paradis, Carole, & Jean-François Prunet (eds) *The Special Status of Coronals: Internal and External Evidence* pp. 79~100. San Diego: Academic Press.
- Lange, Roland A. (1973) *The Phonology of Eighth-Century Japanese: A Reconstruction Based Upon Written Records*. Tokyo: Sophia University Press.
- Liberman, Philip & Sheila E. Blumstein (1988) *Speech Physiology, Speech Perception, and Acoustic Phonetics*. Cambridge: CUP.
- Liberman, Mark & Janet B. Pierrehumbert (1984) Intonational invariance under changes in pitch range and length. *Language Sound Structure: Studies in Phonology Presented to Morris Halle* pp. 157~233. Cambridge: MIT Press.
- Lisker, Leigh & Arthur S. Abramson (1964) A cross-language study of voicing in initial stops: Acoustical measurements. *Word* **20**: 384-422.
- Locke, John L. (1979) *Phonological Acquisition and Change*. New York: Academic Press.

- Löfqvist, Anders (1997) Theories and models of speech production. In William J. Hardcastle & John Laver (eds) *The Handbook of the Phonetic Sciences* pp. 405~426. Oxford: Blackwell Publishers Ltd.
- Maddieson, Ian (1997) Phonetic Universals. In William J. Hardcastle & John Laver (eds) *The Handbook of the Phonetic Sciences* pp. 619~639. Oxford: Blackwell Publishers Ltd.
- Maekawa, Kikuo (1989) Statistical tests for the study of vowel merger. *Quantitative Linguistics* **39**: 200~219.
- Maekawa, Kikuo (1990) *Hatsuwa sokudo niyoru yuusei kukan no hendoo* (Speech Rate effects on Japanese vowel devoicing) Technical Report SP89-148, *Denshi Joohoo Tsuusin Gakkai*, pp. 47~53.
- Maekawa, Kikuo (1994) Is there 'dephrasing' of the accentual phrase in Japanese? *Ohio State Working Papers in Linguistics* **44**: 146~165.
- Maekawa, Kikuo, Shigeru Kiritani & Hajime Hirose (1995) Electromyographic study of focus and accent in Japanese. *Journal of the Acoustic Society of Japan* **16.5**: 291~298.
- Major, Roy C. (1992) Losing English as a first language. *Modern Language Journal* **76**: 190~208.
- Martin, Samuel (1952) Morphophonemics of Standard Colloquial Japanese. *Language* **28.3.2**: 115.
- Martin, Samuel (1988) *A Reference Grammar of Japanese*. Rutland, VT: Charles E. Tuttle Co., Inc.
- McCarthy, John J. (1986) OCP effects: Gemination and antigemination. *Linguistic Inquiry* **17.2**: 207~263.
- McCarthy, John J. (1988) Feature Geometry and dependency. *Phonetica* **43**: 84~108.
- McCawley, James D. (1968) *The Phonological Component of a Grammar of Japanese*. Mouton: The Hague.
- McCawley, James D. (1977) Accent in Japanese. *Studies in Stress and Accent (Southern California Occasional Papers in Linguistics 4)* LA: Dept. of Linguistics, UCLA.

- McGlone, R.E. & W.H. Manning (1979) Role of second formant in pitch perception of whispered and voiced vowels. *Folia Phoniatr (Basel)* **31**: 9~14.
- Meyer-Eppler, W. (1957) Realization of prosodic features in whispered speech. *JASA* **29**: 104~106.
- Miller, Roy A. (1967) *The Japanese Language*. Chicago: CUP.
- Milton, J. Susan (1992) *Statistical Methods in the Biological and Health Sciences*, 2nd ed. NY: McGraw-Hill, Inc.
- Miyakawa, Kuniko, Winifred Strange, Robert Verbrugge, Alvin M. Liberman, James J. Jenkins & Osamu Fujimora (1975) An effect of linguistic experience: The discrimination of [r] and [l] by native speakers of Japanese and English. *Perception & Psychophysics* **18.5**: 331~340.
- Nathan, Geoffrey S. (1987) On second-language acquisition of voiced stops. *Journal of Phonetics* **15**: 313~322.
- Nespor, Marina & Irene Vogel (1986) *Prosodic Phonology*. Dordrecht, Holland: Foris Publications.
- Newman, John (1997) *Coursebook in Feature Geometry*. München, Newcastle: LIMCOM EUROPA.
- Newton, Brian (1972) *Cypriot Greek: Its Phonology and Inflections*. The Hague: Mouton.
- NHK (Nippon Hoosoo Kyoukai [Japanese Broadcasting Company]) (1985) *Nihongo Hatsuon Akusento Jiten (Japanese Pronunciation Accent Dictionary)*. Tokyo: Nihon Hoosoo.
- Ní Chasaide, Ailbhe & Christer Gobl (1997) Voice Source Variation. In William J. Hardcastle & John Laver (eds) *The Handbook of the Phonetic Sciences* pp. 427~461. Oxford: Blackwell Publishers Ltd.
- Nolan, Francis (1992) The descriptive role of segments: evidence from assimilation. In Gerard J. Docherty & D. Robert Ladd (eds) *Papers in Laboratory Phonology II: Gesture, Segment, Prosody* pp. 261~280. Cambridge: CUP.
- Odden, David (1991) Vowel Geometry. *Phonology* **8**: 261~289.
- Odden, David & Elizabeth Hume (1996) Reconsidering [consonantal]. *Phonology* **13**: 345~376.

- Ohala, John J. (1978) The production of tone. In Victoria A. Fromkin (ed) *Tone: A Linguistic Survey*. NY: Academic Press.
- Ohso, Mieko (1973) A phonological study of some English loan words in Japanese. *Ohio State University Working Papers in Linguistics* **14**: 1~26.
- Perkell, Joseph S. (1997) Articulatory Process. In William J. Hardcastle & John Laver (eds) *The Handbook of the Phonetic Sciences* pp. 333~370. Oxford: Blackwell Publishers Ltd.
- Pesetsky, David (1982) *Paths and Categories*. Ph. D. dissertation; MIT.
- Pierrehumbert, Janet B. (1980) *The Phonology and Phonetics of English Intonation*. Ph. D. dissertation, MIT, Cambridge, MA. Distributed by the Indiana University Linguistics Club, Bloomington, IN.
- Pierrehumbert, Janet & Mary Beckman (1988) *Japanese Tone Structure*. Cambridge: MIT Press.
- Pirello, Karen, Sheila E. Blumstein & Kathleen Kurowski (1997) The characteristics of voicing in syllable-initial fricatives in American English. *JASA* **101.6**: 3754~3765.
- Port, R.F., J. Dalby & M. O'Dell (1987) Evidence for mora timing in Japanese. *JASA* **81**: 1574~1585.
- Poser, William J. (1984) *The Phonetics and Phonology of Tone and Intonation in Japanese*. Ph. D. dissertation, MIT.
- Roach, Peter (1991) *English Phonetics and Phonology: A Practical Course* 2nd ed. Cambridge: CUP.
- Rosenthal, Robert, & Ralph L. Rosnow (1991) *Essentials of Behavioral Research* 2nd ed. NY: McGraw-Hill, Inc.
- Sagisaka, Yoshinori & Yoh'ichi Tohkura (1984) Phoneme duration control for speech synthesis by rule. *Institute of Electronics, Information and Communication Engineers of Japan* **67A~7**: 629~636.
- Sagey, Elizabeth C. (1986) *The Representation of Features and Relations in Non-Linear Phonology*. Ph. D. dissertation, MIT.
- Sagey, Elizabeth (1988) Degree of closure in complex segments. In van der Hulst, Harry, and Norval Smith (eds) *Features, Segmental Structure and Harmony Processes. Part I*. pp. 169~208. Dordrecht: Foris Publications.

- Sakuma, Kanae (1929) *Nihon Onseigaku. (Japan Phonetics.)* Tokyo: Hokuseido.
- Sato, Tsutomu & J. Kevin Varden (1997) Taiwanjin ryuugakusei ni yoru Nihongo boin museika no shuutoku ni tsuite. (On the acquisition of Japanese vowel devoicing by Taiwanese exchange students). *The Meiji Gakuin Review* **98**: 41~51.
- Sawashima, Masayuki (1971) Devoicing of vowels. *Annual Bulletin of the RILP* **5**: 7~13.
- Schmidt, Deborah (1994) Against the universality of feature geometry. *Word* **45.3**: 287~291.
- Selkirk, Elizabeth & Koichi Tateishi (1988) Constraints on Minor Phrase Formation in Japanese. In *Proceedings of the Chicago Linguistics Society* **24**: 316~336.
- Simada, Zyun'ichi B., Satoshi Horiguchi, Seiji Niimi & Hajime Hirose (1991) Devoicing of Japanese /u/: An Electromyographic study. *Proceedings of the 12th ICPHS* 1991. Aix-en-Provence, France.
- Small, Arnold M. Jr. & Raymond G. Daniloff (1967) Pitch of noise bands. *JASA* **41**: 506~512.
- Sugito, Miyoko (1966) Musei boin to akusento. (Voiceless vowels and accent.) *Nihon Onsegakkai (Japan Acoustic Society)* **123**.
- Sugito, Miyoko (1969) Kusakou akusento no aru museika boin. (Reflections on the accent of voiceless vowels.) *Nihon Onsegakkai (Japan Acoustic Society)* **132**.
- Sugito, Miyoko (1971) Musei haku to akusento no mondai. (Problems related to voiceless mora and accent.) *Oosaka Shouin Jyoushi Daigaku Ronshuu (Osaka Shouin Women's College Review)* **9**.
- Sugito, Miyoko (1982) *Nihongo Akusento no Kenkyuu (Study of Japanese Accent)*. Tokyo: Sanseido.
- Sugito, Miyoko & Hajime Hirose (1988) Production and perception of accented devoiced vowels in Japanese. *Annual Bulletin of the RILP* **22**: 21~39.
- Takeda, Kazuya & Hisao Kuwabara (1987) Boin museika no yooiin bunseki to yosoku syuhoo no kentoo. (Analysis and prediction of devocalizing phenomena.) *Nihon Onkyoo Gakkai Kooen Ronbunshu (Proceedings of the Acoustical Society of Japan)* **3~3~8**: 105~106.
- Thomas, I.B. (1969) Perceived pitch of whispered vowels. *JASA* **46** 468~470.

- Trask, R.L. (1996) *A Dictionary of Phonetics and Phonology*. London: Routledge.
- Tsuchida, Ayako (1994) Fricative-vowel coarticulation in Japanese devoiced syllables: Acoustic and perceptual evidence. In *Working Papers of the Cornell Phonetics Laboratory* **9**: 183-222.
- Tsuchida, Ayako (1997) *The Phonetics and Phonology of Japanese Vowel Devoicing*. Ph. D. dissertation, Cornell University.
- Tsuchida, Ayako, Shigeru Kiritani, & Seiji Niimi (1997) Two types of vowel devoicing in Japanese: Evidence from articulatory data. *JASA* **101.5**: 3177.
- Unger, J. Marshall (1993) *Studies in Early Japanese Morphophonemics* 2nd ed. Bloomington, IN: Indiana University Linguistics Club Publications.
- Vaissiere, J. (1983) Language-independent prosodic features. In Anne Culter & John Ladd (eds) *Prosody: Models and Measurements*. Berlin: Springer Verlag.
- Vance, Timothy J. (1987) *An Introduction to Japanese Phonology*. Albany, NY: SUNY Press.
- Varden, J. Kevin & Tsutomu Sato (1996) Devoicing of Japanese vowels by Taiwanese learners of Japanese. *Proceedings of ICSLP* **96.2**: 618~621. Philadelphia, PA; October 3~6, 1996.
- Varden, J. Kevin (1997) High Vowel Devoicing in Standard Modern Japanese: A 'slow-speech' rule in the making? *Meiji Gakuin Ronsoo* **98**: 53~80.
- Varden, J. Kevin (1998) Acoustic correlates of 'devoiced' vowels in Standard Modern Japanese. Poster to be presented at the 1998 meeting of the ASA, Seattle, WA, U.S.A; June 22~26, 1998.
- Warner, Natasha (1997) Japanese final-accented and unaccented phrases. *Journal of Phonetics* **25**: 43~60.
- Werker, Janet & Richard Tees (1984) Cross-language speech perception: Evidence for perceptual reorganization during the first year of life. *Infant Behavior and Development* **7**: 49~63.
- Willerman, Raquel & Patricia K. Kuhl (1996) Cross-language speech perception: Swedish, English, and Spanish speakers' perception of front rounded vowels. In H. Timothy Bunnell & William Idsardi (eds) *Proceedings of ICSLP* **96.1**: 442~445.

Yip, Moira (1987) *Tone contours as melodic units: Tonal affricates*. Manuscript, Boston University, Waltham, MA.

Yip, Moira (1989) Contour tones. *Phonology* 6: 149~174.

Yuen, Chris L-K & Kathleen Hubbard (1998) Vowel devoicing and gender in Japanese. Paper presented at the 1998 Annual Meeting of the LSA; NY, NY; January 8~11, 1998.