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A BIBLIOGRAPHY OF TIMING AND RHYTHM IN SPEECH

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Abe, I. (1967) English sentence rhythm and synchronism, *Bulletin of the Phonetic Society of Japan* **125**, 9-11.

Abercrombie, D. (1964) Syllable quantity and enclitics in English, In *In Honour of Daniel Jones*, (Abercrombie, D., Fry, D. F., McCarthy, P. A. D., Scott, N. C. & Trim, J. M. L., eds.). London: Longmans.

Abercrombie, D. (1965) "A phonetician's view of verse structure", in: *Studies in Phonetics and Linguistics*, Oxford University Press, pp. 16-25.

Abercrombie, D. (1967) *Elements of General Phonetics*, Edinburgh University Press

Abercrombie, D.: (1991) Teaching Pronunciation. In: *Teaching English Pronunciation: A Book of Readings*. Ed. A. Brown. London and New York: Routledge, pp. 87-95.

Abramson, A.S. & Lisker, L. (1972). Voice-timing perception in Spanish word-initial stops. *J Phonetics* **1**, 1-8.

Adams, C. (1979) *English Speech Rhythm and the Foreign Learner*, The Hague: Mouton.

Al-Ani, S. H. (1970) *Arabic Phonology, An Acoustic and Phonological Investigation*, Mouton, The Hague, Paris.

Allen, G. D. & Ladefoged, P. (1971) Syllable Structure and Sentence Rhythm - A Cross Language Study, *Journal of the Acoustical Society of America*, **50**, 116.

Allen, G. D. (1972a) The location of rhythmic stress beats in English: an experimental study I, *Language and Speech* **15**, 72-100.

Allen, G. D. (1972b) The location of rhythmic stress beats in English: an experimental study II, *Language and Speech* **15**, 179-195.

Allen, G. D. (1973) Segmental timing control in speech production, *Journal of Phonetics* **1**, 219-222.

Allen, G. D. (1975) Speech rhythm: its relation to performance universals and articulatory timing, *Journal of Phonetics*, **3**, 75-86.

- Allen, G.D. (1978). Vowel duration measurement: A reliability study. *J Acoust. Soc. Am.* 63 (4), 1176-1185.
- Allen, J.S. & Miller, J.L. (1999). Effects of syllable-initial voicing and speaking rate on the temporal characteristics of monosyllabic words. *J Acoust. Soc. Am.* 106 (4), 2031-2039.
- Amerman, J. D. & Parnell, M. (1992) Speech timing strategies in elderly adults, *Journal of Phonetics*, 20, 65-76.
- Anderson, S. & Port, R. (1994) Evidence for syllable structure, stress and juncture from segmental durations, *Journal of Phonetics* 22, 283-315.
- Anderson-Hsieh, J, Johnson, R & Koehler, K (1992) The relationship between native speaker judgements of nonnative pronunciation and deviance in segmentals, prosody, and syllable structure. *Language Learning* 42(4), pp 529-555.
- Anderson-Hsieh, J & Venkatagiri, H (1994) Syllable duration and pausing in the speech of Chinese ESL speakers. *TESOL Quarterly* 28(4), Jan 1994, pp 807-812.
- Antipova, A. (1987) "Speech rhythm (main approaches and definitions)", In: *Proceedings of the XIth ICPHS*, August 1-7, Tallinn, Estonia, pp. 443-446.
- Antoniadis, Z. & Strube, H.W. (1984). Untersuchungen zur spezifischen Dauer deutscher Vokale. *Phonetica* 41, 72-87.
- Arnfield, S., Roach, P., Setter, J., Greasley, P. & Horton, D. (1995) Emotional stress and speech tempo variation. In *Proceedings of ESCA-NATO Tutorial and Research Workshop on Speech under Stress*, pp. 13-15. Lisbon.
- Arvaniti, A. (1991) "Rhythmic categories: a critical evaluation on the basis of Greek data". *Proceedings of the XIIth ICPHS*, Aix-en-Provence, pp. 298-301
- Arvaniti, A. (1991) *The phonetics of Modern Greek rhythm and its phonological implications*, Ph.D. Dissertation, University of Cambridge.
- Arvaniti, A. (1992) "Secondary stress: evidence from Modern Greek", In: *Papers in Laboratory Phonology II. Gesture, Segment, Prosody*. Ed. by G. J. Docherty and D. Robert Ladd, CUP, pp. 398-423.
- Arvaniti, A. (1994) Acoustic features of Greek rhythmic structure, *Journal of Phonetics* 22, 239-268.
- Attridge, D. (1982) *The Rhythms of English Poetry*, Longman.
- Bacri, N. and Banel, M-H (1993) 'Rhythmic patterns and lexical parsing in French', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 120-3.
- Bagshaw, P.C., 1993, An investigation of acoustic events related to sentential stress and accents in English, *Speech Communication*, 13 : 333-342.
- Bailey, T M, Plunkett, K & Scarpa, E (1999) A cross-linguistic study in learning prosodic rhythms: rules, constraints and similarity. *Language and Speech* 42(1), pp 1-38.
- Balasubramanian, T. (1980) Timing in Tamil, *Journal of Phonetics* 8, 449-467.

- Balasubramanian, T. (1981) Duration of vowels in Tamil, *Journal of Phonetics* **9**, 151-161.
- Baldwin, J R (1990) Some notes on rhythm in English. In Ramsaran (1990), pp 58-63.
- Bansal, R K (1966) The Intelligibility of Indian English. PhD Thesis, London University.
- Bansal, R K (1990) The pronunciation of English in India. In Ramsaran (1990), pp 219-230.
- Baptista, B O (1989) Strategies for the prediction of English word stress. *IRAL* 27(1), pp 1-14.
- Barbosa, P. and Bailly, G. (1993) 'Generation and evaluation of rhythmic patterns for text-to-speech synthesis', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 66-9.
- Barbosa, P. and G. Bailly (1994) "Characterisation of rhythmic patterns for text-to-speech synthesis", *Speech Communication* 15, pp. 127-137.
- Barden, B. (1991). Sprechgeschwindigkeit und thematische Struktur. Arbeitspapier 15 "Kontextualisierung durch Rhythmus und Intonation", University of Konstanz.
- Barik, H. C. (1977) Cross-linguistic study of temporal characteristics of different types of speech materials, *Language and Speech*, **20**, 116-126.
- Barnwell, T. P. (1971a) An algorithm for segment durations in reading machine context, *Technical Report 479*, Cambridge, Mass.: M.I.T. Research Laboratory of Electronics.
- Barnwell, T. P. (1971b) Relation of Syllable Boundaries to Vowel Durations, *Journal of the Acoustical Society of America*, **50**, 117.
- Barry, W.J., 1995, Phonetics and phonology of speaking styles, *Proceedings of the XIIIth International Congress of Phonetic Sciences* (Stockholm 1995), 2 : 4-10.
- Barry, W.J. (1998). Time as a factor in the acoustic variation of schwa. *Proc. ICSLP* Sydney, 3071-3074.
- Bártková, K. (1991) Speaking rate modelization in French: Application to speech synthesis. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 3, pp. 482-485. Aix-en-Provence.
- Bartošek, J. (1974) *Jazyk rozhlasové sportovní publicistiky*. Praha.
- Batliner, A., Kießling, A., Kompe, R., Niemann, H., Nöth, E. (1997). Tempo and its change in spontaneous speech. *Proc. Eurospeech* Rhodes, 763-766.
- Beattie, G. (1983) *Talk: An analysis of speech and non-verbal behaviour in conversation*. Milton Keynes: Open University Press.
- Beattie, G. & Butterworth, B. (1979) Contextual probability and word frequency as determinants of pauses in spontaneous speech, *Language and Speech*, **22**, 201-211.
- Beckman, M. E. (1982a) Segment Duration and the 'Mora' in Japanese, *Phonetica* **39**, 113-135.

- Beckman, M. E. (1982b) Effects of accent on vowel duration in Japanese, *Journal of the Acoustical Society of America*, **71**, S 23.
- Beckman, M. E. (1986) *Stress and Non-Stress Accent*, Foris Publications, Dordrecht - Holland/Riverton - U.S.A.
- Beckman, M. E. (1992) Evidence for Speech Rhythms across Languages, In *Speech Perception, Production and Linguistic Structure*, Tohkura, Y., Vatikiotis-Bateson & Sagisaka, Y. (eds.), IOS Press, 457-463.
- Beckman, M. & Pierrehumbert, J. (1986) Intonational structure in English and Japanese, *Phonology Yearbook*, **3**, 255-310.
- Beckman, M. E. & Edwards, J. (1990) Lengthening and shortening and the nature of prosodic constituency. In *Papers in laboratory phonology I* (J. Kingston & M. E. Beckman, editors), pp. 152-178. Cambridge, UK: Cambridge University Press.
- Beckman, M.E., Edwards, J. & Fletcher, J. (1991). Prosodic structure and tempo in a sonority model of articulatory dynamics. In: *Laboratory Phonology II* (G. Docherty & D.R. Ladd, eds) , CUP, 68-86.
- Behne, D. and Nygaard, L. (1991) 'Concurrent effects on duration: Vowels', *Progress Report 17*, Speech Research Laboratory, Indiana University, pp. 241-263.
- Belasco, S. (1953) The influence of force of articulation of consonants on vowel duration, *Journal of the Acoustical Society of America*, **25**, 1015-1016.
- Bell, A. (1977) Accent placement and perception of prominence in rhythmic structures, *Southern California Occasional Papers in Linguistics*, Ed. by L. Hyman , No. **4**, 1-13.
- Bell-Berti, F. & Harris, K. (1981) A temporal model of speech production, *Phonetica*, **38**, 9-20.
- Bell-Berti, F. (1991) Comments on 'Some observations on the organisation and rhythm of speech'. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 2, pp. 238-242. Aix-en-Provence.
- Bell-Berti, F., Gelfer, C. E. & Boyle, M. (1995) Utterance-final lengthening: the effect of speaking rate. In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 1, 162-165. Stockholm.
- Benrabah, M (1997) Word-stress – a source of unintelligibility in English. *IRAL* 35(3), pp 157-65.
- Berg, R. T. H. (1987) Effects of durational factors on the perception of voicing in Dutch two-obstruent sequences, *Journal of Phonetics* **15**, 259-271.
- Berinstein, A. (1978) A cross-linguistic study on the perception of stress, *Journal of the Acoustical Society of America*, **63**, S 55-56.
- Berkovits, R. (1984) Duration and fundamental frequency in sentence-final intonation, *Journal of Phonetics*, **12**, 255-265.
- Berkovits, R. (1993) Utterance-final lengthening and the duration of final-stop
- Berkovits, R. (1994) Durational effects in final lengthening, gapping and contrastive

stress, *Language and Speech*, **37**, 237-250.

Bertinetto, P.M. and Loporcaro, M. (2000) 'Geminate distinctive in posizione iniziale: uno studio percettivo sul dialetto di Altamura (Bari)', *Quaderni del Laboratorio di Linguistica*, Scuola Normale Superiore, Pisa, pp. 87-104.

Bezoooyen, R. van (1984) *Characteristics and Recognizability of Vocal Expressions of Emotion*, Dordrecht: Foris.

Birren, J. E., Woods, A. M. & Williams, M. V. (1979) Speed of behaviour as an indicator of age changes and the integrity of the nervous system. In *Brain function in old age* (F. Hofmeister & C. Mueller, editors). Berlin: Springer-Verlag.

Birren, J. E., Woods, A. M. & Williams, M. V. (1980) Behavioural slowing with age: causes, organization and consequences. In *Aging in the 1980's* (L. W. Poon, editor). Washington, D. C.: American Psychological Association.

Black, A. W. & Taylor, P. (1994) CHATR: a generic speech synthesis system. In *Proceedings of COLING-94*, vol.2, pp. 983-986. Kyoto, Japan.

Black, J. W. (1950) The effect of room characteristics upon vocal intensity and rate. *Journal of Acoustical Society of America*, **22**, 174-176.

Blakely, W. (1933) *The discrimination of short empty temporal intervals*, Ph.D. Dissertation, University of Illinois.

Bolinger, D. (1958) "A theory of pitch accent in English", *Word* 14, pp. 109-149.

Bolinger, D. (1965) "Pitch accent and sentence rhythm". In: *Forms of English: Accent, Morpheme, Order*, Ed. by I. Abe and J. Kanekio, Harvard University Press, Cambridge, Mass., pp. 139-180.

Bolinger, D. L. (1963) Length, vowel, juncture, *Linguistics*, **1**, 5-29.

Bolinger, D. L. (1965) Pitch accent and sentence rhythm. In *Forms of English: Accent, Morpheme, Order* (I. Abe & T. Kanekiyo, editors), pp. 139-180. Cambridge, MA: Harvard University Press.

Bolinger, D. L. (1975) *Aspects of language*. London: Harcourt Brace Jovanovich.

Bolinger, D.L. (1981) *Two kinds of vowels, two kinds of rhythm*. Bloomington, Indiana: Indiana University Linguistics Club.

Bond, Z.S. and J. Fokes (1985) "Non-native patterns of English syllable timing", *Journal of Phonetics* 13, pp. 407-420.

Boomer, D. S. & Laver, J. D. M. (1968/1973) Slips of the tongue. Reprinted in *Speech Errors as Linguistic Evidence*. (V. A. Fromkin, editor), pp. 120-131. The Hague: Mouton.

Boomer, D. S. (1965) Hesitation and grammatical encoding, *Language and Speech*, **8**, 148-158.

Boomer, D. S. (1970) Review of Goldman-Eisler (1968) Psycholinguistics: Experiments in spontaneous speech, *Lingua*, **25**, 152-164.

- Bortfeld, H., Leon, S., Bloom, J., Schober, M. and Brennan, S. (2001) 'Disfluency rates in conversation: effects of age, relationship, topic, role and gender', *Language and Speech* **44**(2), 123-148.
- Borzzone de Manrique, A. M. & Signorini, A. (1983) Segmental duration and rhythm in Spanish, *Journal of Phonetics* **11**, 117-128.
- Botinis, A., Fourakis, M., Priniou, I. (1999). Prosodic effects on segmental durations in Greek. *Proc. Eurospeech* Budapest, 2475-2478.
- Bouzon, C. & Blanchard M., 2000, The influence of prosodic factors on the duration of phonemes, Mémoire de Maîtrise, Laboratoire Parole et Langage, Aix-en-Provence : Université de Provence.
- Bouzon, C., 2001, L'influence des facteurs prosodiques sur la durée des mots en anglais britannique, Mémoire de DEA, Laboratoire Parole et Langage, Aix-en-Provence : Université de Provence.
- Boyes Braem, P. (1999) 'Rhythmic temporal patterns in the signing of deaf early and late learners of Swiss German sign language', *Language and Speech* **42**, pp. 177-208.
- Braunschweiler, N. (1997). Integrated cues of voicing and vowel length in German: a production study. *Language & Speech* **40** (4), 353-376.
- Broselow, E., Hurtig, R. R. and Ringen, C.: The Perception of Second Language Prosody. In: *Interlanguage Phonology: The Acquisition of a Second Language Sound System*. Eds. G. Ioup and S. H. Weinberger. New York: Newbury House, 1987, p. 350-362.
- Brotherton, P. (1979) Speaking and not speaking: Processes for translation of ideas into speech. In *Of Speech and Time: Temporal Speech Patterns in Interpersonal Contexts* (A.W.Siegmán & S. Feldstein, editors). Hillsdale, NJ: Lawrence Erlbaum.
- Brown, A (1988) The staccato effect in the pronunciation of English in Malaysia and Singapore. In Foley J (ed) *New Englishes: The Case of Singapore*. Singapore: Singapore University Press, pp 115-147.
- Brown, G. (1977) *Listening to Spoken English*, Longman, 2nd ed. 1990.
- Brown, W. (1911) 'Temporal and accentual rhythm', *Psychological Review* **XIII**, 336-346
- Brubaker, R. S. (1972) Rate and pause characteristics of oral reading, *Journal of Psycholinguistic Research*, **1**, 141-147.
- Bruce, G., Granström, B. & House, D. (1991) Strategies for prosodic phrasing in Swedish. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 4, pp. 182-185. Aix-en-Provence.
- Bruce, G., Granstrom, B., Gustafson, K. and House, D. (1993) 'Prosodic modelling of phrasing in Swedish', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 180-3.
- Bugárová, M.: O rytme v hovorených prejavoch. In: *Slovenská re?*, vol. 60, 1995, no. 5-6, p. 288-295.
- Butcher (1981) Phonetic correlates of perceived tempo in reading and spontaneous

speech, *Phon.Lab.Univ.Reading Work in Progress* 3, 105-117.

Butcher, A. (1981) Aspects of the speech pause: phonetic correlates and communicative function, *Arbeitsberichte*, **15**. Institut für Phonetik, Universität Kiel.

Butterworth, B. (1975). Hesitation and semantic planning in speech, *Journal of Psycholinguistic Research*, **4**, 75-87.

Butterworth, B. (1980a) Some constraints of models of language production. In *Language production: Vol. 1. Speech and talk* (B. Butterworth, editor), pp. 423-459. London: Academic Press.

Butterworth, B. (1980b) Evidence from pauses in speech. In *Language production, Vol.1: Speech and talk* (B. Butterworth, editor), pp. 155-176. London: Academic Press.

Buxton, H. (1983) "Temporal predictability in the perception of English speech". In: *Prosody: Models and Measurements*. Ed. by A. Cutler and D. R. Ladd, Springer-Verlag, Berlin, pp. 111-121.

Byrd, D. (1998) Intergestural coordination adjacent to multiple prosodic boundaries, *Journal of the Acoustic Society of America*, **103**, 2891.

Byrd, D. & Saltzman, E. (1998) Intragestural dynamics of multiple prosodic boundaries, *Journal of Phonetics* **26**, 173-199.

Byrd, D. & Tan, C.C. (1996). Saying consonant clusters quickly. *J Phonetics* 24, 263-282.

Byrd, D., Kaun, A., Narayanan, S. & Saltzman, E. (in press) Phrasal signatures in articulation, *Papers in Laboratory Phonology V*.

Caelen-Haumont, G. (1993) 'Duration and energy indices: a convergent deep organisation of grouping and phrasing', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 124-7.

Cambier-Langeveld, T. (1999). The interaction between final lengthening and accentual lengthening: Dutch versus English. *Proc. ICPhS San Francisco*, 467-470.

Campbell, W. N. (1991) Durational shortening and anaphoric reference. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 2, pp. 286-289. Aix-en-Provence.

Campbell, W.N. (1992). Syllable-based segment duration. In: Bailly, G., Benoit, C., Sawalis, T.R. (eds): *Talking Machines*. 211-224.

Campbell, W.N. (1993) 'Durational cues to prominence and grouping', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 38-41.

Campbell, W.N. and Isard, S. (1991) 'Segmental durations in a syllable frame', *Journal of Phonetics*, **19**, 37-47.

Carlson, R. & Granstrom, B. (1975) Perception of Segmental Duration, In Cohen & Nooteboom (eds.), *Structure and Process in Speech Perception*, Springer-Verlag, 90-106.

Carlson, R. & Granstrom, B. (1986) A Search for Durational Rules in a Real-Speech Data

Base, *Phonetica*, **43**, 140-154.

Carlson, R. (1991) "Duration models in use", *Proceedings of the XIIth ICPHS*, Aix-en-Provence, pp. 243-245.

Carlson, R., B. Grandstrom, and D. Klatt (1979) "Some notes on the perception of temporal patterns in speech". In: *Proceedings of the Ninth International Congress of Phonetic Sciences*, vol. 1, pp. 260-267.

Cauldwell, Richard (1996) 'Stress-timing: observations, beliefs and evidence', *Eger Journal of English Studies*, Vol. 1, pp. 33-48.

Chafe, W. (1987) Cognitive constraints on information flow. In *Coherence and Grounding in Discourse*, (R. S. Tomlin, editor), pp. 21-51. Amsterdam: Benjamin.

Chafe, W. (1994) *Discourse, Consciousness and Time: The Flow of Displacement of Conscious Experience in Speaking and Writing*. Chicago: the University of Chicago Press

Chafe, W., Du Bois, J. W. & Thompson, S. A. (1991) Towards a new corpus of spoken American English, in *English Corpus Linguistics* (K. Aijmer & B. Altenberg, editors). London: Longman.

Chatman, S. (1965) *A Theory of Meter*, Mouton & Co.

Chela Flores, B (1994) On the acquisition of English rhythm: theoretical and practical issues. *IRAL* 32(3), pp 232-242.

Chen, M. (1970) Vowel Length Variation as a Function of the Voicing of the Consonant Environment, *Phonetica*, **22**, 129-159.

Chlumsky, J. (1911) *Pokus o m??ení ?eských zvuk? a slabik v ?e?i souvislé*. Praha.

Chlumsky, J. (1928) *?eská kvantita, melodie a p?ízvuk*. Praha.

Cho, T. (1998) Acoustic correlates of articulatory prosodic strengthening in Korean, *Journal of the Acoustic Society of America* **104**, 1779.

Chung, G.Y. and Seneff, S. (1999) 'A hierarchical duration model for speech recognition based on the ANGIE framework', *Speech Communication* **27.2**, pp. 113-134.

Church, K. W. (1983) *Phrase Structure Parsing: A Method for Taking Advantage of Allophonic Constraints*. PhD thesis, MIT.

Classe, A. (1939) *The Rhythm of English Prose*, Oxford, Basil Blackwell

Coker, C. H., Umeda, N. & Browman, C. P. (1973) Automatic Synthesis from Text, *Technical Report No. 479*, MIT (unpublished).

Coleman, C. L. (1974) *A study of acoustical and perceptual attributes of isochrony in spoken English*, Ph.D. Dissertation, University of Washington.

Collier, R. (1975) Physiological correlates of intonation patterns. *Journal of Acoustical Society of America*, **58**, 249-255.

Collier, R. (1983) Physiological explanations of F0 declination. In *Abstracts of the 10th International Congress of Phonetic Sciences* (A. Cohen & M. P. R. van den Broecke,

editors). Dordrecht: Foris. 440ff.

Cooper, E. (1975) *Syntactic Control of speech Timing*, Ph.D. dissertation, Psychology Department, MIT.

Cooper, M. H. & Allen, G. D. (1973) Accuracy of timing control in speech, *ASHA* **15**, 432 (Abstract).

Cooper, W. E. & Danly, M. (1981) Segmental and Temporal Aspects of Utterance-Final Lengthening, *Phonetica* **38**, 106-115.

Cooper, W. E. & Paccia-Cooper, J. (1980) *Syntax and speech*. Cambridge, MA:Harvard University Press.

Cooper, W. E., Paccia, J. M. & Lapointe, S. G. (1978) Hierarchical coding in speech timing, *Cognitive Psychology*, **10**, 154-177.

Couper-Kuhlen (1986) *An introduction to English prosody*. London: Edward Arnold.

Couper-Kuhlen, E. (1991) 'A rhythm-based metric for turn-taking', *Proceedings of the XII International Congress of Phonetic Sciences, Aix-en-Provence*, **1**, 275-278

Couper-Kuhlen, E. (1993) *English Speech Rhythm*, John Benjamins Co.

Cowley, S. (1994) 'Conversational functions of rhythmical patterning', *Language and Communication*, vol.14.4, pp. 353-376.

Crary, M.A., Fucci, D. and Bond, Z. (1979) 'Timed auditory interruption during speech: oral sensory and temporal articulatory changes. *Journal of Phonetics*, **7**, 335-342.

Crompton, A. (1980) Timing Patterns in French, *Phonetica*, **37**, 205-234.

Crompton, A. (1981) Syllables and segments in speech production. *Linguistics*, **19-7/8**, 663-716.

Crowther, C. & Mann, V. (1990) Vocalic duration as a cue to consonant voicing, *Journal of the Acoustical Society of America*, **88**, S 80.

Cruttenden, A. (1986) *Intonation*, Cambridge: Cambridge University Press.

Crystal, D. & Quirk, R. (1964) *Systems of prosodic and paralinguistic features in English*. The Hague: Mouton.

Crystal, D. (1969) *Prosodic systems and intonation in English*. Cambridge, UK:Cambridge University Press.

Crystal, D. (1980) *A first dictionary of linguistics and phonetics*. Cambridge, UK: Cambridge University Press.

Crystal, D. (1995) "Documenting rhythmical change." In: *Studies in General and English Phonetics* (J. W. Lewis, Ed.), pp. 174-179. London:Routledge.

Crystal, D. (1985) *A Dictionary of Linguistics and Phonetics*. Oxford: Blackwell.

Crystal, D.: The Past, Present and Future of English Rhythm. In: *Changes in Pronunciation. IATEFL Newsletter*, 1996, p. 8-13.

- Crystal, T. H. & House, A. S. (1982) Segmental durations in connected speech signals: preliminary results, *Journal of the Acoustical Society of America*, **72**, 705-716.
- Crystal, T. H. & House, A. S. (1982) Segmental durations in connected speech signals: preliminary results. *Journal of the Acoustical Society of America*, **72**, 705-716.
- Crystal, T. H. & House, A. S. (1988) Segmental durations in connected-speech signals: Current results. *Journal of Acoustical Society of America*, **83**(4), 1553-1573.
- Crystal, T. H. & House, A. S. (1988) 'The duration of American-English vowels: an overview', *Journal of Phonetics* 16, 263-284
- Crystal, T. H. & House, A. S. (1988) 'The duration of American-English stop consonants: an overview', *Journal of Phonetics* 16, 285-294
- Crystal, T. H. & House, A. S. (1990) Articulation rate and the duration of syllables and stress groups in connected speech, *Journal of the Acoustical Society of America*, **88**(1), 101-112.
- Cummins, F. (1999). Some lengthening factors in English combine additively at most rates. *J Acoust. Soc. Am.* 105 (1), 476-480.
- Cummings, F. and Port, R. (1998) 'Rhythmic constraints on stress timing in English', *Journal of Phonetics* **26**, pp. 145-171
- Cutler, A. (1980) "Syllable omission: errors and isochrony", In: *Temporal Variables in Speech: Studies in honour of Frieda Goldman-Eisler*, The Hague: Mouton, pp. 183-190.
- Cutler, A (1980) Errors of stress and intonation. In Fromkin, V A (ed) (1980) *Errors in Linguistic Performance: slips of the tongue, ear, pen and hand*. New York: Academic Press, pp 67-80.
- Cutler, A (1984) Stress and accent in language production and understanding. In Gibbon & Richter (1984), pp 77-90.
- Cutler, A. (1991). Linguistic rhythm and speech segmentation. In: Sundberg, J., Nord, L. & Carlson, R. (eds): *Music, Language, Speech and Brain*. (Wenner-Gren Symposium Series 59). Macmillan: Houndsmills & London, 157-166.
- Cutler, A. (1994). Segmentation problems, rhythmic solutions. *Lingua*, 92, 81-104.
- Cutler, A. and D. R. Ladd, Eds.(1983) *Prosody: Models and Measurements*. Berlin: Springer - Verlag.
- Cutler, A & Isard, S D (1980) The production of prosody. In Butterworth, B (ed) *Language Production Volume 1: Speech and Talk*. London, New York, Toronto, Sydney & San Francisco: Academic Press, pp 245-269.
- Cutler, A., Dahan, D. and von Donselaar, W. (1997) 'Prosody in the comprehension of spoken language: a literature review', *Language and Speech*, **40**(2), 141-202.
- Czigler, P.E. (1998). Timing in Swedish VC(C) Sequences. *Phonum* **5** (Reports from the Department of Phonetics, Umeå University).
- Dalton, P. & Hardcastle, W. J. (1977) *Disorders of fluency*. London: Edward Arnold.

- Daneš, F. (1957) *Intonace a vřta ve spisovné řeřtině*. Praha.
- Daniloff, R. G. & Hammarberg, R. E. (1973) On defining coarticulation, *Journal of Phonetics* **1**, 239-248.
- Dankovicová, J. (1992) The minimum pause duration in spontaneous speech, *PROPH - Progress Reports from Oxford Phonetics*, **5**, 17-24.
- Dankovicová, J. (1994) Variability in articulation rate in spontaneous Czech speech. M. Phil. thesis. University of Oxford.
- Dankovicová, J. (1995) The domain of articulation rate variability in Czech. In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 1, pp. 346-349. Stockholm.
- Dankovicová, J. (1997) The domain of articulation rate variation in Czech, *Journal of Phonetics*, **25**, 287-312.
- Dankovicová, J. (1999). Articulation rate variation within the intonation phrase in Czech and English. *Proc. ICPhS San Francisco*, 269-272.
- Darwin, C. J. and A. Donovan (1980) "Perceptual studies of speech rhythm: isochrony and intonation". In: *Spoken Language Generation and Understanding* (ed. by J.C. Simon), D. Reidel Publishing Co., Dordrecht, Holland, pp. 77-85.
- Dauer, R. M. (1983) Stress-timing and syllable-timing reanalysed, *Journal of Phonetics*, **11**, 51-69.
- Dauer, R. M. (1987) "Phonetic and phonological components of language rhythm", *Proceedings of the XIth ICPhS*, Tallinn, Estonia, vol. 5, pp. 447-450.
- Davis, S. & Summers, W. V. (1989) Vowel length and closure duration in word-medial VC sequences, *Journal of Phonetics*, **17**, 339-353.
- Dawson, L. O. (1929) A study of the development of the rate of articulation, *Elementary School Journal*, **29**, 610-615.
- de Johnson, T., O'Connell, D. C. & Sabin, E. J. (1979) Temporal analysis of English and Spanish narratives. *Bulletin of the Psychonomic Society*, **13**, 347-350.
- de Pijper, J. R. & Sanderman, A. (1995) On the perceptual strength of prosodic boundaries and its relation to suprasegmental cues, *Journal of the Acoustical Society of America*, **96**, 2037-2047.
- de Rodriguez, B. C. (1983) "Recognising and producing English rhythmic patterns", In: *Teaching English Pronunciation. A book of readings*, Ed. by A. Brown, Routledge, 1991, pp. 350-356.
- Delattre, P. (1962) Some factors of vowel duration and their cross-linguistic validity, *Journal of the Acoustical Society of America*, **34**, 1141-1142.
- Delattre, P. (1966) A comparison of syllable length conditioning among languages, *IRAL* **4**, 183-198.
- Delattre, P. (1969) An acoustic and articulatory study of vowel reduction in four languages, *IRAL* **7**, 295-325.

- den Os, E. (1988) *Rhythm and tempo of Dutch and Italian*. Drukkerij Elinkwijk BV:Utrecht.
- Denes, P. (1955) Effects of duration on the perception of voicing, *Journal of the Acoustical Society of America*, **27**, 761-764.
- Deschamps, A. (1980) The syntactical distribution of pauses in English spoken as a foreign language by French students. In *Temporal Variables in Speech*, Dechert, H. W. and Raupach, M. (eds.), 255-262, The Hague: Mouton.
- Deterding, D (1994) The rhythm of Singapore English. Paper presented at SST-94: Fifth Australian Conference on Speech Science and Technology, University of Western Australia, 6-8 December, 1994.
- Dimitrova, S. (1997) "Bulgarian Speech Rhythm: Stress-Timed or Syllable-Timed?", *Journal of the International Phonetic Association* vol. 27, No. 1& 2, pp. 27-33.
- Dimitrova, S. (1998) "Stress shift in English, Bulgarian English and Bulgarian", *Proceedings of the International Conference "70 Years of English and American Studies in Bulgaria"*, Sofia, 1-3 October 1998.
- Di Simoni, F.G. (1974) 'Effect of vowel environment on the duration of consonants in the speech of three-, six- and nine-year old children', *JASA* **55**, 360-1.
- Di Simoni, F.G. (1974) 'Effect of consonant environment on the duration of vowels in the speech of three-, six- and nine-year old children', *JASA* **55**, 362-3.
- Docherty, G.J. (1985) 'The timing of voicing in stops and fricatives in British English', *Work in Progress* **18**, Department of Linguistics, University of Edinburgh, pp. 27 – 41.
- van Dommelen, W. (1982). A contrastive investigation of vowel duration in German and Dutch. *Phonetica* 39, 23-35.
- Dommergues, J.Y. and Grosjean, F. (1981). Performance structures in the recall of sentences. *Memory and Cognition*, 9, 478-486.
- Donovan, A. and C. J. Darwin (1979) "The perceived rhythm of speech". In: *Proceedings of the Ninth ICPhS*, vol. II, Copenhagen, pp. 268-274.
- van Donzel, M.E. & Koopmans-Van Beinum, F.J. (1996). Pausing strategies in discourse in Dutch. *Proc. ICSLP Philadelphia*, 1029-1032.
- Dressler, W. (1975). Methodisches zu Allegro-Regeln. In: Dressler, W. & Maresch, F.V. (eds): *Phonologica* 1972. Wilhelm Fink: München & Salzburg.
- Duanmu, S (1994) Syllable weight and syllabic duration: a correlation between phonology and phonetics. *Phonology* 11, pp 1-24.
- Duarte, D., Galves, A., Lopes, N. and Maronna, R. (2001) 'The statistical analysis of acoustic correlates of speech rhythm' in *Rhythmic Patterns, Parameter Setting and Language Change*, ZiF, University of Bielefeld.
- Duchet, J.-L., 1993, "La coupe syllabique en anglais", *Etudes de linguistique et de littérature en l'honneur d'André Crépin*, Reineke-Verlag-Greifswald, Wodan, pp. 137-145.

Duchet, J.-L., 1994, "Eléments pour une histoire de l'accentuation lexicale en anglais", *Etudes anglaises*, 47/2, Paris, Didier, pp. 161-170

Duchin, S.W. and Mysak, E.D. (1987) 'Disfluency and rate characteristics of young, middle-aged and older males', *Journal of Communication Disorders*, **20**, 245-257.

Duez, D. (1982) Silent and non-silent pauses in three speech styles, *Language and Speech*, **25**, 11-28.

Edwards, J. & Beckman, M. (1988). Articulatory timing and prosodic interpretation of syllabic duration, *Phonetica*, **45**, 156-174.

Edwards, J., Beckman, M.E. & Fletcher, J. (1991). The articulatory kinematics of final lengthening. *J Acoust. Soc. Am.* 89 (1), 369-382.

Eefting, Wieke (1991): Timing in Talking. Tempo Variation in Production and Its Role in Perception. Diss. Utrecht.

Eefting, W. & Nooteboom, S. (1991) The effect of information value and accentuation on the word durations: A production and a perception study. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 3, pp. 302-305. Aix-en-Provence.

Eefting, W. & Rietveld, A. C. M. (1988) Just noticeable differences of articulation rate at sentence level. In *Proceedings*, **12**, Department of Language and Speech, Phonetics section, University of Nijmegen.

Eefting, W. (1988) Temporal variation in natural speech: Some explorations. In *Proc. Speech '88: 7th FASE Symposium*, pp. 503-507. Edinburgh.

Eefting, W. (1990) Production and perception of temporal variation: An explorative study. In *OTS Yearbook 1990*, pp. 13-38. Research Institute for Language and Speech: University of Utrecht.

Eefting, W. (1991) The effect of 'information value' and 'accentuation' on the duration of Dutch words, syllables, and segments, *Journal of the Acoustical Society of America*, **89**(1), 412-424.

Eggermont (1969) Location of the syllable beat in routine scansion recitations of a Dutch poem, *IPO Annual Progress Report* (Institute for Perception Research, Eindhoven), **4**, 60-64.

Elsendoorn, B. (1980) Vowel duration as a cue to a Dutch foreign accent in English CVC words, *PRIPU* **5**, 64-86 (Institute of Phonetics, University of Utrecht).

Elsendoorn, B. (1982) Vowel duration in English sentences by native speakers and Dutch speakers of English, *PRIPU* **7**, 42-57 (Institute of Phonetics, University of Utrecht).

Engstrand, O. and Krull, D. (1994) 'Durational correlates of quantity in Swedish, Finnish and Estonian: cross-language evidence for a theory of adaptive dispersion', *PERILUS XVIII*, University of Stockholm, pp. 39-54.

Erickson, D, Akahane-Yamada, R, Tajima, K, & Matsumoto, K F (1999) Syllable counting and mora units in speech perception. *Proceedings of the 14th International Congress of Phonetic Sciences*, San Francisco, August 1996, pp 1479-1482.

Faber, D. (1986) "Teaching the rhythms of English: a new theoretical base", In: *Teaching*

English Pronunciation. A book of readings, Ed. by A. Brown, Routledge, 1991, pp. 245-258.

Fant, G. (1991) "Units of temporal organization. Stress groups versus syllables and words", *Proceedings of the XIIth ICPHS*, Aix-en-Provence, pp. 247-250.

Fant, G. (1991) Units of temporal organization, stress groups versus syllables and words. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 1, pp. 247-250. Aix-en-Provence.

Fant, G., Kruckenberg, A. & Nord, L. (1989) Preliminaries to the study of Swedish prose reading and reading style. *Speech Transmission Laboratory, Quarterly Progress and Status Report, Royal Institute of Technology (KTH), Stockholm*, **2**, 1-83.

Fant, G., A. Kruckenberg and L. Nord (1991) "Durational correlates of stress in Swedish, French and English", *Journal of Phonetics*, vol.19, No. 3/4, pp. 351-365.

Fant, G., A. Kruckenberg and L. Nord (1991) "Temporal organisation and rhythm in Swedish", *Proceedings of the XIIth ICPHS*, Aix-en-Provence, pp. 242-245.

Fant, G., Kruckenberg, A. & Nord, L.. (1991) Language specific patterns of prosodic and segmental structures in Swedish, French and English. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 4, pp. 118-121. Aix-en-Provence.

Fant, G. Kruckenberg, A. & Nord, L. (1991). Some observations on tempo and speaking style in Swedish text reading. Proc. ETRW "Phonetics & Phonology of Speaking Styles" Barcelona, paper 23.

Fant, G, Kruckenberg A & Nord, L. (1992) Prediction of syllable duration, speech rate and tempo. In *Proceedings of the 1992 International Conference on Spoken Language Processing (ICSLP)*, vol. 1, pp. 667-670. University of Alberta, Canada.

Fant, G. and Kruckenberg, A. (1993) 'Towards an integrated view of stress correlates', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 42-45.

Fant, G. and Kruckenberg A. (1994). Notes on stress and word accent in Swedish. Proceedings of the International Symposium on Prosody, Sept 18 1994, Yokohama. Also published in STL-QPSR 2-3/1994. 125-144.

Fant, G. and Kruckenberg, A. (1996). On the quantal nature of speech timing. *Proc. ICSLP 1996*. 2044-2047.

Fant, G. and Kruckenberg A. and Liljencrants, J. (2000). Acoustic-phonetic analysis of prominence in Swedish. To be published in *Intonation. Analysis, Modelling and Technology*, ed. by Antonis Botinis. Kluwer, Academic Publishers

Farinas, J. and Pellegrino, F. (2001) 'Automatic rhythm modelling for language identification', in *Proceedings of Eurospeech 01*, pp. 2539-2542, Aalborg

Farnetani, E. & Kori, S. (1990) Rhythmic Structure in Italian Noun Phrases: A Study on Vowel Durations, *Phonetica*, **47**, 50-65.

Farnetani, E. (1989) Acoustic correlates of linguistic boundaries in Italian: a study on duration and fundamental frequency, *Eurospeech*, vol. 2, pp. 332-335. Paris.

- Faure, G., Hirst, D. J., & Chafcouloff (1980) Rhythm in English: Isochronism, Pitch, and Perceived Stress, In Waugh, L. R. and Van Schooneveld, C. H. (eds.), *The Melody of Language*, Baltimore: University Park Press, 71-79.
- Fear, B D, Cutler, A & Butterfield, S (1995) The strong/weak syllable distinction in English. *Journal of the Acoustical Society of America* 97(3), pp 1893 – 1904.
- Ferreira, F. (1993) Creation of prosody during sentence production, *Psychological Review*, **100**, 233-253.
- Finegan, E. (1994) *Language: Its structure and use*. 2nd edition. USA: Harcourt Brace College Publishers.
- Fintoft, K. (1961) The duration of some Norwegian speech sounds, *Phonetica* **7**, 19-39.
- Fischer-Jørgensen, E. (1964) Sound duration and place of articulation, *Zeitschrift für Phonetik und Allgemeine Sprachwissenschaft*, **17**, 175-207.
- Fischer-Jørgensen, E. (1987) Segment Duration in Danish Words: Dependency on Higher Level Phonological Units, In *In Honor of Ilse Lehiste*, Channon, R. & Shockey, L. (eds.), Foris Publications, 51-73.
- Flege, J. E. (1982) Laryngeal timing and phonation onset in utterance-initial English stops, *Journal of Phonetics* **10**, 177-192.
- Fletcher, J. (1987) Some micro and macro effects of tempo change on timing in French, *Linguistics*, **25**, 951-967.
- Fletcher, J. (1988) *An Acoustic Study of Timing in French*, Ph. D. thesis (unpublished), University of Reading.
- Fletcher, J. (1991) "Rhythm and final lengthening in French", *Journal of Phonetics*, 19, pp. 193-212.
- Fletcher, S. (1972) Time-by-count measurement of diadochokinetic syllable rate, *Journal of Speech and Hearing Research*, **15**, 763-770.
- Fletcher, J. & McVeigh, A. (1993). Segment and syllable duration in Australian English. *Speech Communication* 13, 355-365.
- Fonagy, I. (1960) 'Die Redepausen in der Dichtung', *Phonetica* **5**, 169-203
- Fonagy, I. (1966) 'Electrophysiological and acoustic correlates of stress and stress perception', *Journal of Speech and Hearing Research* **9**, 231-244
- Fonagy, I. (1968) 'Les structures rythmiques de la poésie', In: *Les rythmes*, eds.Mounier, P. and Lafon, J.C., 308-323
- Fonagy, I. (1979), 'L'accent français: un accent probabilitaire', *Studia Phonetica* **15**: 123-233
- Fonagy, I. (1981) 'A semiotic approach to prosodic irregularities'. *Phonologica*, eds. Dressler, W. et al. Innsbruck: Institut für Sprachwissenschaft der Universität Innsbruck, pp. 137-152
- Fonagy, I. (1992) Fonctions de la durée vocalique. In: *Hommages à Pierre Léon*, ed.

Martin, Ph., 141-167. Toronto: Mélodie Toronto

Fonagy, I., Fonagy, J. and Dupuy, P. (1980), 'Duration as a function of sound pressure level', *Journal of Phonetics* **8**, 375-378

Fonagy, I. and Fonagy, J. (1983) 'L'intonation et l'organisation du discours', *Bulletin de la Société de Linguistique de Paris* **78**, 161-209

Fónagy, I. & Magdics, K. (1960) Speed of utterance in phrases of different lengths, *Language and Speech*, **3**, 179-192.

Ford, M. & Holmes, V. M. (1978) Planning units in sentence production, *Cognition*, **6**, 35-53.

Fosler-Lussier, E. and Morgan, N. (1998) 'Effects of speaking rate and word frequency on conversational pronunciations', in Strik, H., Kessens, J. and Wester, M. (1998) *Modeling Pronunciation Variation for Automatic Speech Recognition*.

Fougeron, C. & Keating, P. A. (1997) Articulatory strengthening at edges of prosodic domains, *Journal of the Acoustical Society of America*, **101**, 3728-3740.

Fougeron, C. & Jun, S.-A. (1998). Rate effects on French intonation: prosodic organization and phonetic realization. *J Phonetics* **26**, 45-69.

Fourakis, M. (1991). Tempo, stress, and vowel reduction in American English. *J Acoust. Soc. Am.* 90 (4), 1816-1827.

Fowler, C. (1979) "'Perceptual centers' in speech production and perception". *Perception and Psychophysics*, vol. 25 (5), pp. 375-388.

Fowler, C. A. (1980) Coarticulation and theories of extrinsic timing, *Journal of Phonetics*, **8**, 113-133.

Fowler, C. A. (1981) A relationship between coarticulation and compensatory shortening, *Phonetica*, **38**, 35-50.

Fowler, C. (1982) "Converging sources of evidence on spoken and perceived rhythms of speech: cyclic production of vowels in sequences of monosyllabic stress feet". *Haskins Laboratories: Status Report on Speech Research SR 71/72*, July - December.

Fowler, C. A. (1983) Converging Sources of Evidence on Spoken and Perceived Rhythms of Speech: Cyclic Production of Vowels in Monosyllabic Stress Feet, *Journal of Experimental Psychology: General* **112** (3), 386-412.

Fowler, C. (1988) Differential shortening of repeated content words produced in various communicative contexts, *Language and Speech*, **31**, 307-320.

Fowler, C.A., (1995), Acoustic and kinematic correlates of contrastive stress accent in spoken English, in Bell-Berti, F. & Raphael, L.J., (eds.), *Producing Speech: Contemporary Issues for K. Safford Harris*, Woodbury: AIP Press, 355-374.

Fowler, C. A. & Housum, J. (1987) Talkers' signalling of 'new' and 'old' words in speech and listeners' perception and use of the distinction, *Journal of Memory and Language*, **26**, 489-504.

Fowler, C. A. & Levy, E. T. (1991) Some ways in which forms arise from function in linguistic communications. In *Proceedings of 12th International Congress of*

Phonetic Sciences, vol. 2, pp. 279-282. Aix-en-Provence.

Fox, R. A. & Terbeek, D. (1977) Dental flaps, vowel duration and rule ordering in American English, *Journal of Phonetics*, **5**, 27-34.

Fox, R. A. and I. Lehiste (1985) "The effect of final consonant structure on syllable onset location", *JASA*, Supplement 1, vol. 77, S 54.

Fox, R. A. and I. Lehiste (1987) "The effect of vowel quality variation on stress-beat location", *Journal of Phonetics*, pp. 1-13.

Fraisse, P. (1963) *The Psychology of Time*, New York: Harper and Row.

Fraisse, P (1978) Time and rhythm in perception. In Carterette, E C & Friedman, M P (eds) *Handbook of Perception. Vol. 8: Perceptual coding*. New York: Academic Press.

Frackowiak-Richter, L. (1972): Czas trwania samogłosek polskich (The duration of Polish Vowels) *Biuletyn Polskiego Towarzystwa Językoznawczego*.30, 151-172

Frackowiak-Richter, L.(1973): The duration of Polish Vowels, *Speech Analysis and Synthesis* vol . 3, 87-116, PWN: Warszawa.

Frackowiak-Richter, L. (1974): Porównanie iloczasu samogłosek polskich wymówionych w logatomach oraz w wyrazach (Comparison of the duration of Polish vowels spoken in nonsense words and meaningful words) *Biuletyn Polskiego Towarzystwa Językoznawczego* vol. 32, 173-178.

Frackowiak-Richter, L. (1976): Duration of Polish Consonants. *Speech Analysis and Synthesis* vol. 4, 219-241. PWN, Warszawa

Frackowiak-Richter, L. (1975): Wstępna charakterystyka iloczasu spółgłosek polskich dla celów syntezy mowy (A preliminary description of consonant duration for the purposes of speech synthesis) *Archiwum akustyki*, vol 10, No.2, 131-149

Frackowiak-Richter, L. (1978): Wpływ tempa mowy na czas trwania głosek w języku polskim. (The effect of speech tempo on the duration of speech sounds in Polish) *Z zagadnień fonetyki i fonologii współczesnego języka polskiego*. Toruń 127-131.

Frackowak-Richter, L. (1987):Modelling the rhythmic structure of utterances in Polish, *Studia Phonetica Posnaniensia* vol 1, 91-125

Fromkin, V. A. (1973) *Speech Errors as Linguistic Evidence*. The Hague: Mouton.

Frota, S. and Vigário, M. (2001) 'On the correlates of rhythmic distinctions: the European/Brazilian Portuguese case', *Probus*, **13**, 247-275.

Fry, D.B. (1955) "Duration and intensity as physical correlates of linguistic stress", *JASA* 27, pp. 765-768.

Fry, D.B. (1958) "Experiments in the perception of stress", *Language and Speech* 1, pp. 126-152; reprinted in D.B.Fry (1976).

Fry, D. B.(1973): Linguistic Theory and Experimental Research. In: *Phonetics in Linguistics*. Eds. W. E. Jones and J. Laver. London: Longman Group Ltd, 1973, p. 66-87.

Fudge, E., 1994, "Higher level prosodic units and the rhythm of spoken English", in J.-L.

- Duchet, J.-M. Fournier, J. Humbley et p. Larreya (éds), 7ème Colloque d'avril sur l'anglais oral 1994 : les contraintes en phonologie, ALOES, Université de Paris-Nord, pp. 7-24.
- Fujimura, O. (1986) Evaluating the Task Dynamic model, *Journal of Phonetics*, **14**, 105-108.
- Fukui, S. (1978) Perception for the Japanese stop consonants with reduced and extended durations. *Bull. Phonetic Society of Japan* **159**, 9-12.
- Gaitenby, J.H., (1965). The elastic word. *Haskins Report SR-2*, 3.1-3.12.
- Galves, A., Garcia, J., Duarte, D. and Galves, C. (2002) 'Sonority as a basis for rhythmic class discrimination' in *Speech Prosody 2002*. Aix-en-Provence.
- Gandour, J., Weinberg, B. and Rutkowski, D. (1980) Influence of postvocalic consonants on vowel duration in esophageal speech, *Language and Speech*, **23**, part **2**, 149-158.
- Garcia, J. and Galves, A. (2001) 'Automatic identification of vocalic intervals in the speech signal' in *Rhythmic Patterns, Parameter Setting and Language Change*, ZiF, University of Bielefeld.
- Gårding, E. (1975). The influence of tempo on rhythmic and tonal patterns in three Swedish dialects. *Working Papers Phonetics Lab Lund* 12, 71-83.
- Gårding, E. & Zhang, J. (1997). Tempo effects in Chinese prosodic patterns. ESCA Intonation Workshop Athens, 145-148.
- Garrett, M. F. (1980) Levels of processing in sentence production. In *Language Production, vol.1: speech and talk* (B. Butterworth, editor) London: Academic Press.
- Garrido J.M., Llisterri, J., Marín, R., de la Mota, C. & Ríos, A. (1995) Prosodic markers at syntactic boundaries in Spanish. In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 2, pp. 370-373. Stockholm.
- Gay, T. (1978) Effect of speaking rate on vowel formant movements, *Journal of the Acoustical Society of America*, **63**, 223-230.
- Gay, T. (1981) Mechanisms in the control of speech rate, *Phonetica*, **38**, 148-158.
- Gay, T., Ushijima, T., Hirose, H. & Cooper, F. S. (1974) Effects of speaking rate on labial consonant-vowel articulation, *Journal of Phonetics*, **2**, 47-63.
- Gee, J.P. & Grosjean, F., (1983): Performance structures: a psycholinguistic and linguistic appraisal. *Cognitive Psychology* 15, 411-458.
- Gee, J. and Grosjean, F. (1984). Empirical evidence for narrative structure. *Cognitive Science*, 8, 59-85.
- Ghalib, G.B.M. (1984) *An Experimental Study of Consonant Gemination in Iraqi Colloquial Arabic*, Unpublished PhD thesis, University of Leeds, U.K.
- Gibson, J. J. (1968) What gives rise to the perception of motion?, *Psychological Review* **75**, 335-346.
- Giegerich, H.J. (1985) *Metrical Phonology and Phonological Structure: German and*

English, CUP.

Giegerich, H. J. (1992) *English Phonology. An Introduction*, CUP

Gilbert, J.(1987) Pronunciation and Listening Comprehension. In: *Current Perspectives on Pronunciation: Practices Anchored in Theory*. Ed. J. Morley. Washington, D. C.: TESOL.

Gilbert, J.H. & Burk, K.W. (1969). Rate alterations in oral reading. *Language and Speech* 12, 192-201.

Giles, H. (1992) 'Speech tempo' in W.Bright (ed.) *The Oxford International Encyclopedia of Linguistics*, Oxford University Press.

Gili Gaya, S. (1940) *La cantidad silabica en la frase*, Castilla (Valladolid), **I**, 287-298.

Gimson, A. C. (1989) *An introduction to the pronunciation of English*, 4th ed, Revised by Ramsaran, S. London: Edward Arnold; (1994) 5th Ed. revised by A. Cruttenden.

Goldman-Eisler, F. (1954) On the variability of speed of talking and on its relation to the length of utterances in conversation, *British Journal of Psychology*, **45**, 45-94.

Goldman-Eisler, F. (1956) The determinants of the rate of speech output and their mutual relations, *Journal of Psychosomatic Research*, **1**, 137-143.

Goldman-Eisler, F. (1961a) The significance of changes in the rate of articulation, *Language and Speech*, **4**, 171-174.

Goldman-Eisler, F. (1961b) The continuity of speech utterance, its determinants and its significance, *Language and Speech*, **4**, 220-231.

Goldman-Eisler, F. (1967) Sequential temporal patterns and cognitive processes in speech, *Quarterly Journal of Experimental Psychology*, **10**, 96-106.

Goldman-Eisler, F. (1968) *Psycholinguistics: Experiments in Spontaneous Speech* (Academic, New York).

Goldman-Eisler, F. (1972) Pauses, clauses, sentences, *Language and Speech*, **15**, 103-113.

Goldsmith, J.A. (1990) *Autosegmental and Metrical Phonology*, Basil Blackwell.

Gopal, H. (1990) 'Effects of speaking rate on the behaviour of tense and lax vowel duration', *Journal of Phonetics* **18**, pp. 497-518.

Gopal, H.S. (1996): Generalizability of current models of vowel duration. *Phonetica* 53, 1-32.

Grabe, E., Warren, P. and Nolan, F. (1993) 'Resolving category ambiguities - evidence from stress-shift', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 24-27.

Grabe, E. and P. Warren (1995) "Stress shift: do speakers do it or do listeners hear it?", In: *Phonology and Phonetic Evidence. Papers in Laboratory Phonology IV*, Ed. by B. Connell and A. Arvaniti, CUP, pp. 95-110.

- Grabe, E., Post, B., & Watson, I. (1999), "The acquisition of rhythm in English and French", *Proceedings of the 14th International Congress of Phonetic Sciences*, Vol.2, 1201-1204.
- Greenberg, S. (1995). The ears have it: The auditory basis of speech perception. In K. Elenius, & P. Branderud (Eds.), *XIIIth International Congress of Phonetic Sciences (ICPhS 95)* (Vol. 3, pp. 34-41). Stockholm: KTH and Stockholm University.
- Greisbach, R. (1992). Reading aloud at maximal speed. *Speech Communication* 11, 469-473.
- Grigorova, E. (1996) Rhythmische und intonatorische Besonderheiten des Bulgarischen und des Deutschen im Map-Task-Experiment, Habil. Im Druck, Sofia.
- Gronnum, N. (1993) 'Rhythm in regional variants of Standard Danish', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 20-24.
- Grosjean, F. (1980) Comparative studies of temporal variables in spoken and sign languages, In H. W. Dechert and M. Raupach (eds.), *Temporal Variables in Speech, Studies in Honour of Frieda Goldman Eisler*, The Hague: Mouton, 307-312.
- Grosjean, F. (1980). Temporal variables within and between languages. In Dechert, H. and Raupach, M. (Eds.). *Towards a Cross-Linguistic Assessment of Speech Production*. Bern: Peter Lang.
- Grosjean, F. (1980) Linguistic structures and performance structures: Studies in pause distribution. In *Temporal variables in speech: Studies in honour of F. Goldman-Eisler* (H. W. Dechert & M. Raupach, editors). The Hague: Mouton Publishers.
- Grosjean, F. (1983). How long is the sentence? Prediction and prosody in the on-line processing of language. *Linguistics*, 21, 501-529.
- Grosjean, F. & Deschamps, A. (1972) Analyse des variables temporelles du français spontané, *Phonetica*, 26, 129-156.
- Grosjean, F. and Deschamps, A. (1973). Analyse des variables temporelles du français spontané II. Comparaison du français oral dans la description avec l'anglais (description) et avec le français (interview radiophonique). *Phonetica*, 28(3-4), 191-226.
- Grosjean, F. and Lane, H. (1974). Effects of two temporal variables on the listener's perception of reading rate. *Journal of Experimental Psychology*, 102(5), 893-896.
- Grosjean, F. & Deschamps, A. (1975) Analyse contrastive des variables temporelles de l'anglais et du français: vitesse de parole et variables composantes, phénomènes d'hésitation, *Phonetica*, 31, 144-184.
- Grosjean, F. and Lane, H. (1976). How the listener integrates the components of speaking rate. *Journal of Experimental Psychology*, 2(4), 538-543.
- Grosjean, F. & Lane, H. (1977) Pauses and syntax in American Sign Language, *Cognition*, 5, 101-117.
- Grosjean, F. and Lass, N. (1977). Some factors affecting the listener's perception of reading rate in English and French. *Language and Speech*, 20(3), 198-208.

Grosjean, F., Grosjean, L. and Lane, H. (1979). The patterns of silence: Performance structures in sentence production. *Cognitive Psychology*, 11, 58-81.

Grosjean, F. & Collins, M. (1979) Breathing, pausing and reading, *Phonetica*, 36, 98-114.

Grosjean, F. (1979) A study of timing in manual and a spoken language: American Sign Language and English, *Journal of Psycholinguistic Research*, 8, 379-405.

Grosjean, F. and Lane, H. (1981). Temporal variables in the perception and production of spoken and sign languages. In Eimas, P. and Miller, J. (Eds.). *Perspectives on the Study of Speech*. Hillsdale, New Jersey: Lawrence Erlbaum.

Grosjean, F. and Dommergues, J.Y. (1983). Les structures de performance en psycholinguistique. *L'Année Psychologique*, 83, 513-536.

Grosjean, F. and Itzler, J. (1984). Can semantic constraint reduce the role of word frequency during spoken word recognition? *Bulletin of the Psychonomic Society*, 22, 180-182.

Grosjean, F. & Gee, J. P. (1987) Prosodic structure and spoken word recognition. In *Spoken word recognition* (U. H. Frauenfelder & L. K. Tyler, editors), pp. 135-156. MIT Press.

Grosjean, F. and Hirt, C. (1996). Using prosody to predict the end of sentences in English and French: Normal and brain-damaged subjects. *Language and Cognitive Processes*, 11(1/2), 107-134.

Grover, C N & Terken, J M B (1995) The role of stress and accent in the perception of speech rhythm. *IPO Annual Progress Report 30*, pp 30-37.

Grunwald, T. (1983). *Reduktion und Kompensation als Funktion der Sprechgeschwindigkeit im Deutschen*. (Forum Phonetikum 28). Hamburg: Buske.

Guaïtella, I., 1991, Rythme et Parole : Comparaison critique du rythme de la lecture oralisée et de la parole spontanée, Thèse de Doctorat, Laboratoire Parole et Langage, Aix-en-Provence : Université de Provence.

Guaïtella, I. (1993) 'Functional, acoustical and perceptual analysis of vocal hesitations in spontaneous speech', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 128-131.

Guierre, Lionel,(1979), L'accentuation en anglais contemporain. Eléments pour une synthèse, Thèse de doctorat d'Etat, Université Paris VII, 878 p.

Gussenhoven, C. (1991) The English rhythm as an accent deletion rule, *Phonology*, 8, pp. 1-35.

Gussenhoven, C. & Rietveld, A. C. M. (1992) Intonation contours, prosodic structure and preboundary lengthening, *Journal of Phonetics*, 20, 283-303.

Gustafson, K. (1988). The graphical representation of rhythm. *PROPH 3*, Progress Reports from Oxford Phonetics Laboratory, 6-26.

Haggard, M. (1973) Abbreviation of consonants in English pre- and post-vocalic clusters, *Journal of Phonetics* 1, 9-24.

- Hála, B. (1962). Uvedení do fonetiky češtiny na obecně fonetickém základě. Praha.
- Hallé, P., de Boysson-Bardies, B. & Vihman, M. M. (1991) Beginnings of prosodic organization: Intonation and duration patterns of disyllables produced by Japanese and French infants, *Language and Speech*, **34**, 299-318.
- Halliday, M. A. K. (1967) *Intonation and Grammar in British English*, The Hague: Mouton.
- Halliday, M.A.K. (1970) *A Course in Spoken English: Intonation*, OUP
- Hammarberg, R. (1976) The metaphysics of coarticulation, *Journal of Phonetics* **4**, 353-363.
- Han, M. S. (1962b) The feature of duration in Japanese, *Study sounds* **10**, 65-80.
- Han, M. S. (1992) The timing control of geminate and single stop consonants in Japanese: a challenge for non-native speakers, *Phonetica* **49**, 102-127.
- Handel, S. (1993) *Listening. An Introduction to the Perception of Auditory Events*, The MIT Press, Cambridge, Massachusetts.
- Harding, D.W. (1976) *Words into Rhythm: English Speech Rhythm in Verse and Prose*, Cambridge University Press.
- Harris, K. S., Tuller, B. and Kelso, J. A. S. (1986) Temporal invariance in the production of speech, In Perkell, J. & Klatt, D. H. (eds.) *Invariance and variability in speech processes*, Hillsdale, N. J.: Lawrence Erlbaum Associates, 243-252.
- Harris, M. S. & Umeda, N. (1974) Effect of speaking mode on temporal factors in speech: vowel duration, *Journal of the Acoustical Society of America*, **56**, 1016-1018.
- Haselager, G. J. T., Slis, I. H. & Rietveld, A. C. M. (1991) An alternative method of studying the development of speech rate, *Clinical Linguistics and Phonetics*, **5**, 53-63.
- Hawkins, S. (1979) 'Temporal coordination of consonants in the speech of children: further data', *Journal of Phonetics*, **7.3**, pp. 235-266.
- Hawkins, S. & Warren, P. (1994) Phonetic influences on the intelligibility of conversational speech, *Journal of Phonetics*, **22**, 493-511.
- Hayes, B. (1984) "The phonology of rhythm in English", *Linguistic Inquiry*, 15.1, pp. 33-74.
- Heike, A. E., Kowal, S. & O'Connell, D. C. (1983) The trouble with "articulatory" pauses, *Language and Speech*, **26**, 203-214.
- Henze, R. (1951) Experimentelle Untersuchungen zur Phänomenologie der Sprechgeschwindigkeit. PhD thesis, Universität Göttingen.
- Hertrich, I. & Ackermann, H. (1995). The influence of slowed speech rate on coarticulation: acoustic analysis of durational and spectral parameters. *Proc. ICPHS Stockholm*, 590-593.
- Hertrich, I. and Ackerman, H. (1995) 'Coarticulation in slow speech: durational and spectral analysis', *Language and Speech* **38(2)**, 159-188.

- Hertrich, I. & Ackermann, H. (1997). Articulatory control of phonological vowel length contrasts: kinematic analysis of labial gestures. *J Acoust. Soc. Am.* 102 (1), 523-536.
- Hertz, S.R. (1991). Streams, phones and transitions: toward a new phonological and phonetic model of formant timing. *J Phonetics* 19, 91-109.
- Hewlett, N. and Rendall, M. (1998) 'Rural versus urban accent as an influence on the rate of speech', *Journals of the International Phonetic Association*, **28**, pp. 63-72.
- van Heuven, V.J. (1993) 'On the temporal domain of focal accent', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 132-5.
- Hiramatsu, K. (1990) Timing acquisition by Japanese speakers of English, Speech Research Laboratory, *Work in Progress* **6**, 49-76 (Department of Linguistic Science, Reading University).
- Hirst, D. (1991) Intonation models. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 1, pp. 305-310. Aix-en-Provence.
- Hirst, D. (1993) 'Peak, boundary and cohesion characteristics of prosodic grouping', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 32-7.
- Hirst, D.J., 1999, The symbolic coding of duration and timing : an extension to the INTSINT system, *Proceedings Eurospeech '99*, 1639-1642.
- Hockett, C. (1955) *A manual of phonology*, Memoir 11, Indiana University Publication in Anthropology and Linguistics, Bloomington.
- Hockey, B.A. & Fagyal, Z. (1999). Phonemic length and pre-boundary lengthening: an experimental investigation on the use of durational cues. *Proc. ICPhS San Francisco*, 313-316.
- Hoequist, C. (1983) "Durational correlates of linguistic rhythm categories", *Phonetica* 40, pp. 19-31.
- Hoequist, C. (1983) "Syllable duration in stress-, syllable- and mora-timed languages", *Phonetica* 40, pp. 203-237.
- Hoequist, C. J. (1983) The Perceptual Center and Rhythm Categories, *Language and speech* **26** (4), 367-376.
- Hoequist, C. (1983). Parameters of speech rate perception. *Aipuk* 20 (Arbeitsberichte Institut für Phonetik Kiel), 99-124.
- Hofhuis, E. (1993) Establishing prosodic structure by measuring segment duration. *Working papers*, vol. 42, pp. 136-139. Lund University, Department of Linguistics.
- Hofhuis, E., Gussenhoven, C. & Rietveld, A. (1995) Final lengthening at prosodic boundaries in Dutch. In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 1, pp. 154-157. Stockholm.
- Hofrichter, W. (1986) Bemerkungen zu phonologischen Problemen des Deutschen, *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* - 35, Jahrgang, Gesellschaftswissenschaftliche Reihe, Heft 8, 70-73.

- Hogg, R. and C. B. McCully (1987) *Metrical Phonology: a coursebook*, CUP.
- Homma, Y. (1981) Durational relationship between Japanese stops and vowels, *Journal of Phonetics* **9**, 273-281.
- Horne, M. (1990) Empirical evidence for a deletion analysis of the rhythm rule in English, *Linguistics*, **28**, pp. 959-981.
- Horne, M., Strangert, E. & Heldner, M. (1995) Prosodic boundary strength in Swedish: final lengthening and silent interval duration. In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 1, pp. 170-173. Stockholm.
- House, A. S. (1961) On vowel duration in English, *Journal of the Acoustical Society of America*, **33**, 1174-1178.
- House, A. S. & Fairbanks, G. (1953) The influence of consonant environment upon the secondary acoustical characteristics of vowels, *Journal of the Acoustical Society of America*, **25**, 105-113.
- Huggins, A. W. F. (1972a) Just noticeable differences for segment duration in natural speech, *Journal of the Acoustical Society of America*, **51**, 1270-1278.
- Huggins, A. W. F. (1972b) On the perception of temporal phenomena in speech, *Journal of the Acoustical Society of America*, **51**, 1279-1290.
- Huggins, A. W. F. (1975) On isochrony and syntax, In *Auditory Analysis and Perception of Speech*, Fant, G. & Tatham, M. A. A. (eds.), Academic Press, 455-464.
- Huggins, A. W. F. (1978) Speech timing and intelligibility. In *Attention and Performance*, VII. (J. Requin, editor). Hillsdale, N.J.: Erlbaum.
- Hung, F.-S., & Peters, A. M. (1997). The role of prosody in the acquisition of grammatical morphemes: evidence from two Chinese languages. *Journal of Child Language*, 24(3), 627-650.
- Idson, W.L. and Massaro, D.W. (1980) 'The role of perceived duration in the identification of vowels', *Journal of Phonetics*, **8.4**, pp. 407-426.
- Hunnicut, S. (1985) Intelligibility versus redundancy - Conditions of dependency, *Language and Speech*, **28**, 45-56.
- Hyman, L. M. (1977) "On the nature of linguistic stress". In: *Studies in Stress and Accent*, Ed. by L. Hyman, Los Angeles, pp. 37-82.
- Iivonen A., Niemi. T. & Paananen, M., (1995). Comparison of prosodic characteristics in English, Finnish and German radio and TV newscasts. *Proc. ICPHS Stockholm* (2), 382-385.
- Imaizumi, S. and Kiritani, S. (1989) 'Effects of speaking rate on formant trajectories and inter-speaker variations', *Annual Bulletin of RILP*, University of Tokyo, **23**, pp. 27-38.
- Imaizumi, S. & Kiritani, S. (1992). A generation model of formant trajectories at variable speaking rates. In: Bailly, G., Benoit, C., Sawalis, T.R. (eds): *Talking Machines*, 61-75.
- Inkelas, S. (1989). Prosodic Constituency in the Lexicon. Unpublished Ph.D. thesis, University of Massachusetts.

- Jakobson, R. and Halle, M. (1964). Tenseness and Laxness in *In Honour of Daniel Jones*, London: Longman.
- Jakobson, R., Fant, G. & Halle, M. (1952). *Preliminaries to Speech Analysis; the Distinctive Features and Their Correlates*, Cambridge, Massachusetts: M.I.T.
- Janson, T. (1979) 'Vowel duration, vowel quality and perceptual compensation', *Journal of Phonetics*, **7.2**, pp. 93-104.
- Jassem, W. (1952) *Intonation of Conversational English (Educated Southern British)*, Prace Wrocławskiego Towarzystwa Naukowego, Seria A No. 45, Wrocław
- Jassem, W. (1987) *The Phonology of Modern English*, Państwowe Wydawnictwo Naukowe, Warszawa
- Jassem, W. (1999): English stress, accent and intonation revisited, *Speech and Language Technology vol 3*, 33-50, Polish Phonetic Association, Poznan
- Jassem, W. and D. Gibbon (1980) "Re-defining English accent and stress", *JIPA*, vol. 10, nos. 1-2, pp. 2-16.
- Jassem, W., D. R. Hill and I.H. Witten (1984) "Isochrony in English Speech: its statistical validity and linguistic relevance. In: *Intonation, Accent and Rhythm. Studies in Discourse Phonology*. Ed. by D. Gibbon and H. Richter, Berlin: de Gruyter.
- Jenkins, J.: Changing Priorities. In: *Changes in Pronunciation. IATEFL Newsletter*. Ed. M. Vaughan - Rees. 1996, p. 33-40.
- Jenner, B.: The phonology of International English. In: *New Sounds '97. Proceedings of the Third International Symposium on the Acquisition of Second-Language Speech*. Eds. J. Leather and A. James. Klagenfurt: University of Klagenfurt, 1997, p. 158-166.
- Joh, W.-I. (1994) *An Experimental Phonetic Study on the Rhythm of Daegue and Standard Korean*, M. A. thesis, Seoul National University.
- Johns-Lewis, C. (editor) (1986) *Intonation in Discourse*. College-Hill Press, Inc.
- Johnson, R., Moore, R: (1997) A link between reading proficiency and native-like use of pausing in speaking. In: *Applied Language Learning (Monterey, CA)*, vol.8, 1997, no.1, p. 25-42. In: *Language teaching, The international abstracting journal for language teachers, educators and researchers*. Cambridge: Cambridge University Press.
- Jokisch, O., Hirschfeld, D., Eichner, M. & Hoffmann, R. (1998). Creating an individual speech rhythm: a data driven approach. *3rd ESCA/COCOSDA Synthesis Workshop*, Jenolan Caves, Australia, 115-119.
- Jones, D. (1947) *An Outline of English Phonetics*, 6th ed., 9th ed. 1960 (First published 1918), Heffer & Co, Cambridge.
- Jones, D. (1966) *The Pronunciation of English*, 4th ed., CUP
- de Jong, K. (2001) 'Rate-induced resyllabification revisited', *Language and Speech* **44(2)**, pp. 197-216.
- Juffs, A (1990) Tone, syllable structure and interlanguage phonology: Chinese learners' stress errors. *IRAL* 28(2), pp 99-117.

- Jun, S.-A. (1990) The prosodic structure of Korean - in terms of voicing, In E-J, Baek (ed.), *Proceedings of the Seventh International Conference on Korean Linguistics*, Toronto: University of Toronto Press, 87-104.
- Jun, S.-A. (1993) *The phonetics and phonology of Korean prosody*, Ph.D. dissertation, The Ohio State University.
- Jun, S.-A. (1995) Asymmetrical prosodic effects on the laryngeal gesture in Korean, *Phonology and Phonetic Evidence, Papers in Laboratory Phonology IV*, Cambridge: Cambridge University Press, 235-253.
- Kager, R. and Visch, E. (1988) Metrical constituency and rhythmic adjustment, *Phonology*, **5**, pp. 21-71.
- Kahn, D. (1976) *Syllable-based generalizations in English phonology*. PhD thesis, University of Massachusetts.
- Kaiki, N., Takeda, K. & Sagisaka, Y. (1990) Statistical analysis for segmental duration rules in Japanese speech synthesis. In *Proceedings of International Conference on Spoken Language Processing*. Kobe, Japan.
- Kaika, N., Takeda, K. & Sagisaka, Y. (1992). Linguistic properties in the control of segmental duration for speech synthesis. In: Bailly, G., Benoit, C., Sawalis, T.R. (eds): *Talking Machines*. 255-263.
- Kaltenbacher, E.: German speech rhythm in L2 acquisition. In: *New Sounds '97. Proceedings of the Third International Symposium on the Acquisition of Second-Language Speech*. Eds. J. Leather and A. James. Klagenfurt: University of Klagenfurt, 1997, p. 158-166.
- Katamba, F. (1989) *An Introduction to Phonology*, Longman
- Katwijk, A. Van & Berg, B. L. S. van der (1968) Perceptual and motoric synchronisation with syllable beats, *IPO Annual Progress Report* (Institute for Perception Research, Eindhoven), **3**, 35-39.
- Kehoe, M, Stoel-Gammon, C & Budner, E H (1995) Acoustic correlates of stress in young children's speech. *Journal of Speech and Hearing Research* **38**, pp 338-350.
- Keller, E., Zellner, B., Werner, S. and Blanchoud, N. (1993) 'The prediction of prosodic timing: rules for final syllable lengthening in French', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 212-4.
- Keller, E., & Zellner, B. (1995). A statistical timing model for French. XIIIème Congrès International des Sciences Phonétiques, 3 (pp. 302-305). Stockholm.
- Keller, E., & Zellner, B. (1996). A timing model for fast French. *York Papers in Linguistics*, **17**, University of York. 53-75.
- Keller E., & Zellner, B. (1998). Motivations for the Prosodic Predictive Chain. ESCA/COCOSDA. Third International Workshop on Speech Synthesis. (pp. 137.141), November 1998, Jenolan Caves (Australia).
- Kelso, J A S & Munhall, K G (1988) *R H Stetson's Motor Phonetics: a retrospective*

edition. Boston, Toronto & San Diego: College-Hill Press. (Originally published as Stetson, R H (1928) *Motor Phonetics, a Study of Speech Movements in Action*. The Hague: Archives Néerlandaises de Phonétique Experimentale (Vol. III) and (1951) *Motor Phonetics* (2nd Edn). Amsterdam: North Holland.)

Kent, R. D. & Moll, K. L. (1975) Articulatory timing in selected consonant sequences, *Brain and Language* **2**, 304-323.

Kent, R.D. and Forner, L.L. (1980) 'Speech segment durations in sentence recitations by children and adults', *Journal of Phonetics*, **8.2**, pp. 157-168.

Kent, R. D. & Burkard, R. (1981) Changes in acoustic correlates of speech production. In *Aging: Communication processes and disorder* (D. S. Beasley & G. A. Davis, editors). New York: Grune and Stratton.

Kent, R. D. & Netsell, R. (1971) Effects of stress contrast on certain articulatory parameters, *Phonetics* **24**, 23-44.

Kent, R. D., Adams, S. G. & Turner, G. S. (1996) Models of Speech Production. In *Principles of experimental phonetics* (N. J. Lass, editor), pp. 30-45. USA: Mosby.

Kent, R. D., Carney, P. J. & Severeid, L. R. (1974) Velar movement and timing: Evaluation of a model for binary control, *Journal of Speech and Hearing Research* **17**, 470-488.

Kessinger, R H & Blumstein, S E (1998) Effects of speaking rate on voice-onset time and vowel production: some implications for perception studies. *Journal of Phonetics* **26**, pp 117-128.

Kim, D. W. (1989) The relationship between full voicing and the oral closure interval of a lax intervocalic stop, *Journal of Phonetics*, **17**, 239-243.

Kim, D. W. (1994) An Acoustic Study of Word-timing with reference to Korean, *SCAS* **11-(1)**, 323-327.

Kim, J.-W. (1995) *A Study on the Duration of Korean Fricatives /s, s'/ between Vowels*, M. A. thesis, Seoul National University.

Kim, K. O. (1975) The nature of temporal relationship between adjacent segments in spoken Korean, *Phonetica*, **31**, 259-273.

Kiparsky, P. (1966) Über den deutschen Akzent, *Studia Grammatica* **7**, 69-98.

Kiparsky, P. (1977) "The Rhythmic Structure of English Verse", *Linguistic Inquiry*, vol. 8, no. 2, pp. 189-247.

Klatt, D. (1975) Vowel lengthening is syntactically determined in a connected discourse, *Journal of Phonetics*, **3**, 332-335.

Klatt, D. H. (1971). On predicting the duration of the phonetic segment [s] in English, *Quarterly Progress Report* No. 103, M.I.T.

Klatt, D. H. (1973) Interaction between two factors that influence vowel duration, *Journal of the Acoustical Society of America*, **54**, 1102-1104.

Klatt, D.H., 1975, Vowel lengthening is syntactically determined in a connected

discourse, *Journal of Phonetics* 3, 129-140.

Klatt, D. H. (1976) Linguistic uses of segmental duration in English: Acoustic and perceptual evidence, *Journal of the Acoustical Society of America*, **59**, No. 5, 1208-1221.

Klatt, D. H. (1979) Synthesis by rule of segmental durations in English sentences, In Lindblom, B. & Öhman, S. (eds.) *Frontiers of speech Communication Research*, New York: Academic Press, 287-299.

Klatt, D. & Cooper, W. E. (1975) Perception of segment duration in sentence context. In *Structure and process in speech perception* (A. Cohen & S. Nooteboom, editors), pp. 69-89. Heidelberg: Springer-Verlag.

Kloker, D. (1975) Vowel and Sonorant Lengthening as Cues to Phonological Phrase Boundaries, *Journal of the Acoustical Society of America*, **57**, S 33.

Kluender, K. R., Diehl, R. L. & Wright, B. A. (1988) Vowel-length differences before voiced and voiceless consonants, an auditory explanation, *Journal of Phonetics*, **16**, 153-169.

Knowles, G. (1974) "The rhythm of English syllables", *Lingua* 34, pp. 115-147.

Knowles, G. (1987) *Patterns of Spoken English*, Longman, Chapter 5.

Knowles, G. (1991) Prosodic labelling: the problem of tone group boundaries, In *English computer corpora: selected papers and research guide* (S. Johansson & A-B. Stenström, editors). Berlin: Mouton de Gruyter.

Kohler, K. (1983) Prosodic boundary signals in German. *Phonetica*, **40**, 89-134.

Kohler, K. J. (1983) "Stress-timing and speech rate in German. A production model", *Arbeitsberichte des Instituts für Phonetik der Universität Kiel*, pp. 7-53.

Kohler, K.J. (1982). Rhythmus im Deutschen. *Aipuk* 19 (Arbeitsberichte Institut für Phonetik Kiel), 89-105.

Kohler, K.J. (1983) "F0 in speech timing", *Arbeitsberichte des Instituts für Phonetik der Universität Kiel*, pp. 55-97.

Kohler, K. (1986) Invariance and variability in speech timing: from utterance to segment in German, In Perkell, J. & Klatt, D. H. (eds.), *Invariance and variability in speech processes*, Lawrence Erlbaum Associates, 268-289.

Kohler, K. (1991) Isochrony, units of rhythmic organization and speech rate. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 1, pp. 257-261. Aix-en-Provence.

Kohler, K. (1995) *Einführung in die Phonetik des Deutschen*, Berlin: Erich Schmidt Verlag.

Kohno, M. (1995). Two different systems for rhythm processing and their hierarchical relation. In K. Elenius, & P. Branderud (Eds.), XIIIth International Congress of Phonetic Sciences (ICPhS 95) (Vol. 1, pp. 94-97). Stockholm: KTH and Stockholm University.

Koiso, H., Shimojima, A. & Katagiri, Y. (1998). Collaborative signaling of informational structures by dynamic speech rate. *Language & Speech* **41(3-4)**, 323-350.

- Kondo, K. (1971) 'Palmer Kyozaï to Sono Rizumum Bunpo no Hakken (The rhythm-notation and educational method of the Japanese and English)', *The Study of Sounds*, **XV**, 147-163
- Koopmans-Van Beinum, F.J. & Van Donzel, M.E. (1996). 'Relationship between discourse structure and dynamic speech rate'. *Proc. ICSLP Philadelphia*, 1724-1727.
- Kowal, S. (1991). *Über die zeitliche Organisation des Sprechens in der Öffentlichkeit*. Bern: Huber.
- Kowal, S., O'Connell, D. C. & Sabin, E. F. (1975) Development of temporal patterning and vocal hesitations in spontaneous narratives. *Journal of Psycholinguistic research*, **4**, 195-207.
- Kowal, S., Wiese, R. & O'Connell, D. C. (1983) The use of time in storytelling, *Language and Speech*, **26**, 377-392.
- Kozhevnikov & Chistovitch (1965) *Speech: Articulation and perception*, Joint publications Research Service 30, 543. U.S. Department of Commerce, Washington D. C.
- Kozhevnikov, V. & Chistovich, L. (1965) Rech' Artikuliacia i vosprilatie. Moscow-Leningrad. (Trans. in *Speech: Articulation and Perception*. Washington: Joint Publications Research Service, 1966, **30**, 543ff.).
- Krishnan, G. & Ward, W. (1998). Temporal organization of speech for normal and fast rates. *Proc. ICSLP (3) Sydney*, 617-618.
- Kruckenbergh, A. , G. Fant and L. Nord (1991) "Rhythmical structures in poetry reading", *Proceedings of the XIIth ICPHS*, Aix-en-Provence, pp. 242-245.
- Kruckenbergh, A. and Fant, G. (1993). Iambic versus trochaic patterns in poetry reading. *Nordic Prosody VI*, Almquist & Wiksell International, 123-135, (1993).
- Kruckenbergh, A and Fant G.. (1995). Notes on syllable duration in French and Swedish. *Proc. ICPHS 1995*, Stockholm. Vol 1. 158-161.
- Krull, D. (1992) 'Temporal and tonal correlates to quantity in Estonian', *PERILUS XV*, University of Stockholm, pp. 17-36.
- Krull, D. (1993) 'Word-prosodic features in Estonian conversational speech: some preliminary results', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 148-151. (see also *PERILUS XVII*, University of Stockholm, 1993, pp. 45-54.)
- Kubozono, H. (1989) The mora and syllable structure in Japanese, evidence from speech errors, *Language and Speech* 32, 249-278.
- Kubozono, H. (1993) *The Organisation of Japanese Prosody*, Kuroshio
- Kuehn, D.P. & Moll, K.L. (1976). A cineradiographic study of VC and CV articulatory velocities. *J Phonetics* 4, 303-320.
- Kuriyagawa, F. (1987) 'Duration of vowels in the construct state of modern Hebrew', *Annual Bulletin of RILP*, **21**, University of Tokyo, pp. 53-68.
- Kuriyagawa, F. and Sawashima, M. (1987) 'Word accent and the duration of vowels in

/C1u1C2u2/ in Japanese', *Annual Bulletin of RILP*, **21**, University of Tokyo, pp. 41-52.

Kuriyagawa, F. and Sawashima, M. (1989) 'Word accent, devoicing and duration of vowels in Japanese', *Annual Bulletin of RILP*, **23**, University of Tokyo, pp. 85-108.

Kuwabara, H. (1996): Acoustic properties of phonemes in continuous speech for different speaking rates. *Proc. ICSLP Philadelphia*, 2435-2438.

van Kuijk, D. and Boves, L. (1999) 'Acoustic characteristics of lexical stress in continuous telephone speech', *Speech Communication*, **27.2**, pp. 95-112.

Ladd, D. R. (1984) Declination: a review and some hypotheses, *Phonology Yearbook*, **1**, 53-74.

Ladd, D. R. (1986) Intonational phrasing: The case for recursive prosodic structure, *Phonology Yearbook*, **3**, 311-340.

Ladd, D. R. (1992) An introduction to intonational phonology. In *Laboratory Phonology II* (G. J. Docherty & D. R. Ladd, editors), pp. 331-334. Cambridge, UK: Cambridge University Press.

Ladd, D.R. (1993) Notes on the phonology of prominence, *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 10-15.

Ladd, D.R. (1996) *Intonational Phonology*. Cambridge, UK: Cambridge University Press.

Ladd, D. R. & Campbell, W. N. (1991) Theories of prosodic structure: Evidence from syllable duration. In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 2, pp. 290-293. Aix-en-Provence.

Ladd, D.R., Faulkner, D., Faulkner, H., Schepman, A. (1999): Constant "segmental anchoring" of F0 movements under changes in speech rate. *J Acoust. Soc. Am.* **106** (3, Pt. 1), 1543-1555.

Ladefoged, P. (1975) *Three Areas of Experimental Phonetics* (4th impression), London: Oxford University Press.

Laeufer, C. (1992) 'Patterns of voicing-conditioned vowel duration in French and English', *Journal of Phonetics*, **20**, pp. 411-440.

Laeufer, C. (1995). Effects of tempo and stress on German syllable structure. *J Linguistics* **31**, 227-266.

Lahiri, A. and Hankamer, J. 'The timing of geminate consonants', *Journal of Phonetics*, **16**, 327-338.

Landschultz, K. (1971) 'Quantite vocalique en francais: relations quantitatives des voyelles accentuees suivies d'une fricative', *Revue Romane*, **3**, pp. 25-51.

Lane, H. & Grosjean, F. (1973). Perception of reading rate by speakers and listeners. *J Experimental Psychology* **97** (2), 141-147.

van Lancker, D., Kreiman, J., & Bolinger, D. (1988). Anticipatory lengthening. *Journal of Phonetics*, **61**, 339-347.

- Laver, J. (1994) *Principles of Phonetics*, CUP.
- Lea, W. (1977) "Acoustic correlates of stress and juncture". In: *Studies in Stress and Accent*, Ed. by Larry M. Hyman, University of Southern California, Los Angeles, pp. 83-120.
- Lebrun, Y. (1970) On tension, *Linguistique contemporaine, Hommage à Eric Buysens*, Bruxelles, Ed. De sociologie, U.L.B.
- Lee, H. B. & Kim, D. W. (1991) The effect of position in utterance on the duration of segment in Korean, *Linguistic Journal of Korea* **16-1**, 95-107.
- Lee, H. B. (1982a) An acoustic study of rhythm in Korean, *Phonetics* **4**, *The Phonetic Society of Korea*, 31-48.
- Lee, H. B. (1982b) Phonetic variation of Korean speech sounds as conditioned by tempo and rhythm, *Language Research*, **18**, No. 1, 115-120.
- Lee, H. B. (1985) A vis-pitch analysis of rhythm properties with reference to Korean, English and French, *Phonetics* **9-10**, *The Phonetic Society of Korea*, 6-20.
- Lee, H. Y. (1990) *The Structure of Korean Prosody*, PhD thesis, University College London, Hanshin Publishing Co. Seoul.
- Leech, G. (1980) *A Linguistic Guide to English Poetry*, 8th impression, Longman.
- van Leeuwen, T. (1992). Rhythm and social context: accent and juncture in the speech of professional radio announcers. In Tench, P. (ed): *Studies in Systemic Phonology*. (Open Linguistics Series) London & New York, 231-261.
- Lehiste, I. (1970) *Suprasegmentals*, Cambridge, Mass.: MIT Press.
- Lehiste, I. (1972) The timing of utterances and linguistic boundaries, *Journal of the Acoustical Society of America*, **51**, 2018-2024.
- Lehiste, I. (1973) "Rhythmic units and syntactic units in production and perception", *JASA*, vol. 54, No. 5, pp. 1228-1234.
- Lehiste, I. (1973) Phonetic disambiguation of syntactic ambiguity, *Glossa* **7**, 107-122.
- Lehiste, I. (1975) The role of temporal factors in the establishment of linguistic units and boundaries. In Dressler, W. U. & Mares, F. V., (eds.), *Phonologica 1972*, Wilhelm Fink Verlag: München-Salzburg 115-122.
- Lehiste, I. (1975) The Phonetic Structure of Paragraphs, In Cohen, A. & Nootboom, S. (ed.) *Structure and Process in Speech Perception*, Springer-Verlag, Heidelberg, 195-206.
- Lehiste, I. (1977) "Isochrony reconsidered", *Journal of Phonetics*, **5**, pp. 253-263.
- Lehiste, I. (1979) "Temporal relations within speech units", In: *Proceedings of the Ninth ICPHS*, vol. II, Copenhagen, pp. 241-244.
- Lehiste, I. (1979) "The perception of duration within sequences of four intervals", *Journal of Phonetics*, **7**, pp. 313-316.
- Lehiste, I. (1980) Interaction between Test Words Duration and Length of Utterance, In

- Waugh, L. R. and Van Schooneveld, C. H. (eds.), *The Melody of Language*, Baltimore: University Park Press, 169-176.
- Lehiste, I. (1985) "Rhythm of poetry, rhythm of prose", In: *Phonetic Linguistics*, Ed. by V. Fromkin, Academic Press, pp. 145-155.
- Lehiste, I. (1987a) "Rhythm in spoken sentences and read poetry", *Phonologica 1984*, ed. by W.U. Dressler, H.C. Luschutzky, O. Pfeiffer and J. R. Rennison, CUP, pp. 165-173
- Lehiste, I. (1987b) "Stress-timing and syllable-timing: evidence from foreign accents", *The Nordic Languages and Modern Linguistics 6*, Helsinki Univ. Press, pp. 225-233.
- Lehiste, I. (1989) "Experimental studies of poetic rhythm", *Proceedings: Speech Research '89*, Budapest.
- Lehiste, I. (1990) "Phonetic investigation of metrical structure in orally produced poetry", *Journal of Phonetics*, 18, pp. 123-133.
- Lehiste, I. and G. Peterson (1960), "Vowel amplitude and phonemic stress in American English", *JASA*, vol. 32, pp. 693-703.
- Lehiste, I. and R. A. Fox (1992) "Perception of prominence by Estonian and English listeners", *Language and Speech*, 35 (4), pp. 419-434.
- Lehiste, I., Olive, J. P. & Streeter, L. A. (1976) The role of duration in disambiguating syntactically ambiguous sentences, *Journal of the Acoustical Society of America*, **60**, 1199-1202.
- Lehtonen, J. (1970) Stud. Phil., *Jyvask* **VI**.
- Lehtonen, J. (1974) Word Length and Sound Durations, English summary of Finnish paper, *Viritäjä* **78**, 160.
- Lehtonen, J. (1979) Speech rate and pauses in the English of Finns, Swedish-speaking Finns and Swedes. In *Perception and production of English: papers on interlanguage* (R. Palmberg, editor). Åbo: Publications of the department of English, Åbo Akademi.
- Lenneberg, E. (1967) *Biological Foundations of Language*, John Wiley & Sons, New York - London.
- Levelt, W. J. M. (1989) *Speaking: From intention to articulation*. Cambridge, MA:MIT Press.
- Liberman, A. M. (1970) The grammars of speech and language, *Cognitive Psychology*, **1**, 301-323.
- Liberman, M. & Pierrehumbert, J. (1984) Intonational invariance under changes in pitch range and length. In *Language Sound Structure* (M. Aronoff & R. T. Oehrle, editors). MIT.
- Liberman, M. and A. Prince (1977) "On stress and linguistic rhythm", *Linguistic Inquiry*, vol. 8, No. 2, pp. 249-336.
- Liberman, M.Y. (1975) *The intonational system of English*. PhD thesis. MIT. Reproduced by Indiana University Linguistics Club, 1978, Bloomington, Indiana.

- Lickey, S.A. and A. Weibel, *Perceptual stress assignment*, Carnegie Mellon University, Computer Science Department.
- Lickey, S.A. and Bard, E. (1998) 'When can listeners detect disfluency in spontaneous speech?', *Language and Speech*, **41(2)**, 203-226.
- Lieberman, P. (1960) "Some acoustic correlates of word stress in American English", *JASA*, vol. 32, pp. 451-454; reprinted in D.B. Fry (ed.) (1976).
- Lieberman, P. (1965) "On the acoustic basis of perception of intonation by linguists", *Word*, vol. 21, pp. 40-54.
- Lieberman, P. (1967) *Intonation, Perception, and Language*, Cambridge, Mass.: MIT Press.
- Lindblom, B. (1963a) "Spectrographic study of vowel reduction", *JASA* 35/11, pp. 1773-1781.
- Lindblom, B. (1963b) *On Vowel Reduction*, Stockholm: Royal Institute of Technology.
- Lindblom, B. (1968) Temporal organization of syllable production, *Speech Transmission Laboratory, Quarterly Progress and Status Report, Stockholm*, **2(3)**, 1-5.
- Lindblom, B. E. F. (1975) Some Temporal Regularities of Spoken Swedish, In *Auditory Analysis and Perception of Speech*, Fant, G. & Tatham, M. A. A. (eds.), Academic Press, 387-396.
- Lindblom, B.E.F. (1983) 'Economy of speech gestures', in P.F. MacNeilage (ed.) *The Production of Speech*, Springer-Verlag.
- Lindblom, B. E. F. (1987) Adaptive variability and absolute constancy in speech signals: two themes in the quest for phonetic invariance, *Proceedings of the eleventh international congress of phonetic sciences*, Tallinn, Estonia, **3**, 9-18.
- Lindblom, B. E. F. & MacNeilage, P. (1986) Action theory: problems and alternative approaches, *Journal of Phonetics* **14**, 117-132.
- Lindblom, B. E. F. & Rapp, K. (1972) Reexamination of the compensatory adjustment of vowel duration in Swedish words, *Occasional Papers* **13**, University of Essex, 204-224.
- Lindblom, B. E. F. & Rapp, K. (1973) Some temporal regularities of spoken Swedish, *Papers from the Institute of Linguistics, University of Stockholm* **21**. 1-59.
- Lindblom, B., Lyberg, B & Holmgren K. (1981) Durational patterns of Swedish phonology: Do they reflect short memory processes? Bloomington, IN: IULC.
- Lindfield, K, Wingfield, A, & Goodglass, H (1999) The contribution of prosody to spoken word recognition. *Applied Psycholinguistics* **20**: 395-405.
- Lisker, L. & Abramson, A. S. (1967) Some effect of context on voice onset time in English stops, *Language and Speech* **10**, 1-28.
- Lisker, L. (1957) Closure duration and the intervocalic voiced-voiceless distinction in English, *Language* **33**, 42-49.
- Lisker, L. (1974) On "explaining" vowel duration variation, *Glossa* **8**, 233-246.

- Lisker, L. (1986) "Voicing" in English: A catalogue of acoustic features signalling /b/ versus /p/ in trochees, *Language and Speech* **29**, 3-11.
- Local, John (1992) 'On the phonetic interpretation of rhythm in non-segmental speech synthesis', *Proceedings of the Institute of Acoustics*, vol.14.6, pp. 473-480.
- Low, E.L. (2000) Is lexical stress placement different in Singapore English and British English? In A. Brown, D. Deterding and E. L. Low (eds.). *The English Language in Singapore: Research on Pronunciation*. Singapore: Singapore Association of Applied Linguistics, Chapter 3, 22-34.
- Low, E.L. and Grabe, E. (1995). "Prosodic patterns in Singapore English", *Proceedings of the 13th International Congress of Phonetic Sciences*, Vol.3, 636-639.
- Low, E.L., and Grabe, E. (1999), "A contrastive study of prosody and lexical stress placement in Singapore English and British English", *Language and Speech* **42 (1)**.
- Low, E.L., Grabe, E. and Nolan, F. (2000) 'Quantitative characterizations of speech rhythm: syllable-timing in Singapore English', *Language and Speech* **43(4)**, pp. 377-402.
- Luce, P.A. & Charles-Luce, J. (1985). Contextual effects on vowel duration, closure duration, and the consonant/vowel ratio in speech production. *J Acoust. Soc. Am.* 78 (6), 1949-1957.
- Lyberg, B. (1979) 'Final lengthening – partly a consequence of restrictions on the speed of fundamental change?', *Journal of Phonetics* **7.2**, pp. 187-196.
- Lyberg, B. (1981) 'Temporal properties of spoken Swedish'. *MILUS*, vol. 6, Stockholm University.
- Lyberg, B. & Ekholm B (1994) The final lengthening phenomenon in Swedish - a consequence of default sentence accent? In *Proceedings of the 1994 International Conference on Spoken Language Processing (ICSLP)*, pp. 135-138. Yokohama.
- Mack, M. (1982) Voicing-dependent vowel duration in English and French: Monolingual and bilingual production, *Journal of the Acoustical Society of America* **71**, 173-178.
- MacNeilage, P. (1970) Motor control of serial ordering of speech, *Psychological Review* **77**, 182-196.
- Maddieson, I. & Gandour, J. (1975) Vowel length before stops of contrasting series, *Journal of the Acoustical Society of America* **58**, S61.
- Maddieson, I. (1985) Phonetic Cues to Syllabification, In *Phonetic Linguistics: Essays in honor of Peter Ladefoged*, (Edited by V. A. Fromkin) 203-221. Academic Press, Inc.
- Magen, H. S. & Blumstein, S. E. (1993) Effects of speaking rate on the vowel length distinction in Korean, *Journal of Phonetics* **21**, 387-409.
- Mairs, J L (1989) Stress assignment in interlanguage phonology: an analysis of the stress system of Spanish speakers learning English. In Gass, S M & Schachter, J (eds) *Linguistic Perspectives on Second Language Acquisition*. New York: Cambridge University Press, pp 260-283.
- Major, R. C. (1981) Stress-timing in Brazilian Portuguese, *Journal of Phonetics* **9**, 343-

351.

Major, R. (1987a): A Model for Interlanguage Phonology. In: *Interlanguage Phonology: The Acquisition of a Second Language Sound System*. Eds. G. Ioup and S. H. Weinberger. New York: Newbury House, pp. 101-124.

Major, R. (1987b): Foreign Accent: Recent Research and Theory. In: *IRAL*, vol. XXV, no. 3, p. 185-201.

Malécot, A. (1969) The effect of syllabic rate and loudness on the force of articulation of American stops and fricatives, *Phonetica* **19**, 205-216.

Malécot, A., Johnston, R. & Kizziar, P. A. (1972) Syllabic rate and utterance length in French, *Phonetica*, **26**, 235-251.

Marcus, S. M. (1980) "Acoustic determinants of perceptual center (P-center) location", *Perception and Psychophysics*, 30 (3), pp. 247-256.

Marks, J. (1996) 'Is stress-timing real?', (abstract) in K.Head *ELT Links: The Vienna Symposium*, IATEFL/British Council, Vienna, p. 80.

Marks, J (1999) Is stress-timing real? *ELT Journal* 53(3), pp 191-199.

Martin, J. (1972) "Rhythmic (hierarchical) versus serial structure in speech and other behavior", *Psychological Review*, vol. 79, No.6, pp. 487-509.

Martin, J. G. (1970) On judging pauses in spontaneous speech, *Journal of Verbal Learning and Verbal Behaviour* **9**, 75-78.

Martin, J. G. (1975) Rhythmic Expectancy in Continuous Speech Perception, In Cohen, A. & Nooteboom, S. (ed.) *Structure and Process in Speech Perception*, Springer-Verlag, Heidelberg, 161-177.

Massaro, D. W. (1986) A new perspective and old problems, *Journal of Phonetics*, **14**, 69-74.

Masuko, Y. and Kiritani, S. (1990) 'Perception of mora sounds in Japanese by non-native speakers of Japanese', *Annual Bulletin of RILP*, University of Tokyo, **24**, pp. 113-120.

Mauroux, S. (2002) 'Les mots composés: analyse de schémas accentuels de l'anglais britannique standard', Unpublished PhD thesis, University of Poitiers.

McAllister, J., Potts, A. & Mason, K. (1994) Word duration in monologue and dialogue speech, *Language and Speech*, **37**, 393-405.

McQueen, J. and Cutler, A. (1997) 'Cognitive processes in speech perception', in Hardcastle, W. and Laver, J. (eds) *Handbook of Phonetic Sciences*, Blackwell, pp.566-586.

Medress, M.F., T.E. Skinner and D.E. Anderson (1971) "Acoustic correlates of word-stress", paper presented to the 82nd Meeting Acoustical Society of America, Denver, Colorado, Paper K3.

Meinhold, G. (1967). Quantität und Häufigkeit von Pausen in gelesenen deutschen Texten im Zusammenhang mit dem Sprechtempo. Gesellschafts- u. Sprachwissensch. Reihe, Jg. 16 (1) (Wiss. Zeitschrift Universität Jena), 107-111.

- Mettas, O. (1978) 'Quantité et rythme dans le français parlé à Paris', *Rapport d'Activités de l'Institut de Phonétique*, 12/2, Université Libre de Bruxelles, pp. 57 - 70
- Meyer, A.S. (1994). Timing in sentence production *J Memory and Language* 33, 471-492.
- Meyer, E.A. (1904). Zur Vokaldauer im Deutschen. *Nordiska Studier*, Uppsala, 348-356.
- Michon, J. A. (1967) *Timing in Temporal Tracking*, Institute for Perception RVO-TNO. Soesterberg, The Netherlands.
- Miles, D. W. (1937) Preferred rates in rhythmic responses, *Journal of Genetic Psychology* 16, 427-469.
- Miller, J. L. (1981) Effects of speaking rate on segmental distinctions. In *Perspectives on the study of speech* (P. D. Eimas & J. L. Miller, editors), pp. 39-74. Hillsdale, New Jersey: Lawrence Erlbaum Associates.
- Miller, J. and Grosjean, F. (1979). Further studies on the influence of sentence rate on the closure duration cue for voicing. In Wolf, J. and Klatt, D. (Eds.). *Speech Communication Papers Presented at the 97th Meeting of the Acoustical Society of America*. New York: Acoustical Society of America.
- Miller, J.L. & Grosjean, F. (1981). How the components of speaking rate influence perception of phonetic segments. *J Experimental Psychology: Human Perception and Performance* 7 (1), 208-215.
- Miller, J., Grosjean, F. & Lomanto, C. (1984) Articulation rate and its variability in spontaneous speech: A reanalysis and some implications, *Phonetica*, 41,215-225.
- Miller, J. and Grosjean, F. (1997). Dialect effects in vowel perception: The role of temporal information in French. *Language and Speech*, 40(3), 277-288.
- Miller, M. (1984) "On the perception of rhythm", *Journal of Phonetics*, 12, pp. 75-83
- Misono, Y. and Kiritani, S. (1990) 'The distribution pattern of pauses in lecture-style speech', *Annual Bulletin of the RILP*, University of Tokyo, 24, pp. 101-112.
- Mitsuya, F. & Sugito, M. (1978) A study of accentual effect on segmental and moraic duration in Japanese, *Annual Bulletin of the Research Institute of Logopedics and Phoniatrics*, University of Tokyo, 12, 97-112.
- Miyake, I. (1902) Researches on rhythmic action, *Studies from the Yale Psychological Laboratory* (E. W. Scripture Ed).
- Mochizuki-Sudo, M. and Kiritani, S. (1989) 'Production and perception of the rhythmic pattern of English by Japanese learners', *Annual Bulletin of RILP*, 23, University of Tokyo, pp. 75-84.
- Moftah, A.A. (1988) *A Comparative Study of some Prosodic Features of British English and Cairene Arabic*, Unpublished PhD thesis, University of Leeds, UK.
- Molbaek-Hansen, P., Reinholt Petersen, N. and Spang-Hanssen, E. (1993) 'Syntax, pauses, and temporal relations in the final part of the sentence', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 160-163.

- Monnin, P. and Grosjean, F. (1993). Les structures de performance en français: caractérisation et prédiction. *L'Année Psychologique*, 9, 9-30.
- Monsen, R.B. (1974) 'Durational aspects of vowel production in the speech of deaf children', *Journal of Speech and Hearing Research*, **17**, 386-98.
- Morton, J. and W. Jassem (1965) "Acoustic correlates of stress", *Language and Speech* 8, pp. 159-181.
- Morton, J., Marcus, S. & Frankish, C. (1976) Theoretical Note, Perceptual Centers (P-centers), *Psychological Review* **83** (5), 405-408.
- Mouria-Beji, F. (1998) 'Context and speed dependent phonemic models for continuous speech recognition', in Strik, H., Kessens, J. and Wester, M. (1998) *Modeling Pronunciation Variation for Automatic Speech Recognition*.
- Munhall, K., Fowler, C., Hawkins, S. & Saltzman, E. (1992) "Compensatory shortening" in monosyllables of spoken English, *Journal of Phonetics* **20**, 225-239.
- Munro, M J & Derwing, T M (1995) Processing time, accent, and comprehensibility in the perception of native and foreign-accented speech. *Language and Speech* 38(3), pp 289-306.
- Murray, I.R., Baber, C. and South, A. (1996) 'Towards a definition and working model of stress and its effects on speech', *Speech Communication*, **20**, pp. 3-12.
- Nagano-Madsen, Y. (1993) 'The grouping function of F0 and duration in two prosodically diverse languages - Eskimo and Yoruba', *Proceedings of the ESCA Workshop on Prosody*, Lund University Working Papers in Phonetics, eds. D. House and P. Touati, pp. 46-9.
- Nakatani, L. H., O'Connor, K. D. & Aston, C. H. (1981) Prosodic aspects of American English speech rhythm, *Phonetica*, **38**, 84-106.
- Navarro Tomas, T. (1916) Cantidad de las vocales acentuadas, *Revista de Filologia Espanola* **III**, 387-408.
- Navarro Tomas, T. (1918) Diferencias de duracion entre las consontes espanolas, *Revista de Filologia Espanola* **V**, 367-393.
- Navarro Tomas, T. (1922) La cantidad silabica en unos versos de Ruben Dario, *Revista de Filologia Espanola* **IX**, 1-29.
- Nespor, M. (1990) 'On the rhythm parameter in phonology', in I.M. Roca, ed., *Logical Issues in Language Acquisition*, pp. 157-175: Foris, Dordrecht.
- Nespor, M. and I. Vogel (1986) *Prosodic Phonology*, Dordrecht: Foris.
- Nespor, M. and I. Vogel (1989) "On clashes and lapses", *Phonology* 6, pp. 69-116.
- Neufeld, G. G.: On the Acquisition of Prosodic and Articulatory Features in Adult Language Learning. In: *Interlanguage Phonology: The Acquisition of a Second Language Sound System*. Eds. G. Ioup and S. H. Weinberger. New York: Newbury House, 1987, p. 321-332.
- Neweklowsky, G. (1975). Spezifische Dauer und spezifische Tonhöhe der Vokale.

Phonetica 32, 38-60.

Nooteboom, S. (1997) 'The prosody of speech: melody and rhythm', in *The Handbook of Phonetic Sciences*, eds. W. Hardcastle and J. Laver, Blackwell, pp. 640-673

Nooteboom, S. G. & Eefting, W. (1994) Evidence for the adaptive nature of speech on the phrase level and below, *Phonetica*, **51**, 92-98.

Nooteboom, S. G. & Slis, J. H. (1969) A note on rate of speech, *Institute for Perception Research, Eindhoven, Annual Progress Report* **4**, 58-60.

Nooteboom, S. G. & Slis, J. H. (1972) The phonetic feature of vowel length in Dutch, *Language and Speech* **15**, 301-316.

Nooteboom, S. G. (1972) The interaction of some intra-syllable and extra-syllable factors acting on syllable nucleus durations, *Institute for Perception Research, Eindhoven, Annual Progress Report* **7**, 30-39.

Nooteboom, S. G. (1973) The perceptual reality of some prosodic durations, *Journal of Phonetics*, **1**, 25-45.

Nooteboom, S. G. (1975) Temporal organization of connected speech, In: G. Fant and M. Tatham (eds.) *Auditory analysis and perception of speech*, London: Academic Press, 383-386.

Nooteboom, S. G., Brokx, J. P. L. & Rooij, J. J. de. (1978) Contributions of prosody to speech perception, In: W. Levelt and G. Flores-d'Arcais (eds.) *Studies in the perception of language*, Chichester: Wiley and Sons.

Nooteboom, S.G. (1991) "Some observations on the temporal organisation and rhythm of speech", *Proceedings of the XIIth ICPHS*, Aix-en-Provence, pp. 228-237.

Nord, L. (1986) Acoustic studies of vowel reduction in Swedish, Royal Institute of Technology, Stockholm, Sweden, *Speech Transmission Laboratory Quarterly Progress and Status Report (STL-QPSR)* **4**, 19-36.

Nord, L., A. Kruckenberg and G. Fant (1990) "Some timing studies of prose, poetry and music", *Speech Communication*, vol. 9, No. 5/6, pp. 477-483.

O'Connell, D.C. & Kowal, S. (1972). Cross-linguistic pause and rate phenomena in adults and adolescents. *J Psycholinguistic Research* **1** (2), 155-164.

O'Connell, D. C. & Kowal, S. (1983) Pausology. In *Computers in Language Research 2* (W. A. Sedelow, Jr. & S. Yeates Sedelow, editors), pp. 221-301. Berlin-New York: Walter de Gruyter & Co.

O'Connor, J. D. & Arnold, G. F. (1973) *Intonation of colloquial English*. London: Longman.

O'Connor, J. D. (1965) The perception of time intervals, *Progress Report* **2**, Phonetics Laboratory, University College, London, 11-15.

O'Connor J D (1967/1980) *Better English Pronunciation*. Cambridge: CUP

O'Connor, J. D. (1968) The duration of the foot in relation to the number of component sound-segments, *Progress Report* **3**, Phonetics Laboratory, University College, London,

1-6.

O'Connor, J. D. (1973) *Phonetics*, Harmondsworth, Middlesex: Penguin Books.

O'Malley, M H, Kloker, D R & Dara-Abrams, B (1973) Recovering parentheses from spoken algebraic expressions. *IEEE Transactions on Audio and Electro-acoustics* AU-21, pp 217-220.

O'Shaughnessy, D. (1995) Timing patterns in fluent and disfluent spontaneous speech. In *Proceedings of the International Conference on Acoustics, Speech and Signal processing*, pp. 600-603. Detroit, Michigan, USA.

O'Shaughnessy, D. (1981) A study of French vowel and consonant durations, *Journal of Phonetics* **9**, 385-406.

O'Shaughnessy, D. (1984) A multispeaker analysis of durations in read French paragraphs, *Journal of the Acoustical Society of America*, **76**, 1664-1672.

Ofuka, E. (1996) *Acoustic and perceptual analyses of politeness in Japanese speech*. Unpublished PhD thesis. University of Leeds.

Ofuka, E., McKeown, D., Waterman, M. and Roach, P. (2000), 'Prosodic cues for rated politeness in Japanese': *Speech Communication*, Vol. 32.3, pp. 199-217

Ohala, J.J. (1975) "The temporal regulation of speech", In: *Auditory Analysis and Perception of Speech*, Ed. by G. Fant and M.A.A. Tatham, Academic Press, London, pp. 431-453.

Ohala, J.J. (1977) "The physiology of stress", In: *Studies in Stress and Accent*, Ed. by L. Hyman, Southern California Occasional Papers in Linguistics No. 4, pp. 145-168.

Ohala, J. (1981). Speech timing as a tool in phonology. *Phonetica* **38**, 204-212.

Ohala, J. & Ewan, W. G. (1973) Speed of pitch change. *Journal of the Acoustical Society of America*, **53**, 345ff.

Ohala, J. J. & Lyberg, B. (1976) Comments on 'Temporal interactions within a phrase and sentence context' [JASA 56, 1258-1265 (1974)], *Journal of the Acoustical Society of America*, **59**, 990-992.

Oller, D. K. (1973) The duration of speech segments: the effect of position in utterance and word length. *Journal of the Acoustical Society of America*, **54**, 1235-1273.

Oller, D. K. (1973) The effect of position in utterance on speech segment duration in English, *Journal of the Acoustical Society of America*, **54**, 1235-1247.

Oller, D. K. (1979) Syllable timing in Spanish, English and Finnish, In H. Hollien and P. Hollien (eds.): *Current Issues in the Phonetic Sciences*, Amsterdam: J. Benjamins, 331-343.

Olsen, C. L. (1972) Rhythmical patterns and syllabic features of the Spanish sense-group, *Proceedings of the Ninth International Congress of Phonetic Sciences*, 990-995. The Hague: Mouton.

Ondrácková, J. (1954a) O mluvním rytmu v češtině I, *Slovo a slovesnost*, **15**, 24-29.

- Ondrácková, J. (1954b) O mluvním rytmu v češtině II, *Slovo a slovesnost*, **15**, 145-157.
- Os, E. Den (1985) Vowel reduction in Italian and Dutch, *Progress Report Institute of Phonetics, University of Utrecht* **10** (2), 3-12.
- den Os, E. (1985). Perception of speech rate of Dutch and Italian utterances. *Phonetica* 42, 124-134.
- Osser, H. & Peng, F. (1964) A cross cultural study of speech rate. *Language and Speech*, **7**, 120-125.
- Otake, T. (1989) A cross linguistic contrast in the temporal compensation effect, *Bull. Phonetic Society of Japan*, **191**, 14-19.
- Otake, T., Hatano, G., Cutler, A. and Mehler, J. (1993) 'Mora or syllable?', *Journal of Memory and Language*, **32**, 258-278
- Paccia, J. M. & Cooper, W. E. (1981) The processing of phrase structures in speech production. In *Perspectives on the study of speech* (P. D. Eimas & J. L. Miller, editors), pp. 311-336. Hillsdale, New Jersey: Lawrence Erlbaum Associates.
- Palková, Z. & Ptáček, M. (1995) Rhythmical segmentation of synthetic speech. Paper at the Colloquium on Theories of Circuits, Systems and Signals. Charles University, Prague.
- Palková, Z. (1974) *Rytmičká v?stavba prozaického textu*. Praha: Academia.
- Palková, Z. (1984) Syntactic dispositions as a factor in discourse segmentation. In *Proceedings of the 10th International Congress of Phonetic Sciences*. Utrecht.
- Palková, Z. (1987) Einige Beziehungen zu linearen Eigenschaften der Phonischen Einheiten im Spontangespräch. In *Probleme und sprachwissenschaftliche Methoden der Kommunikationsbefähigung* (E. Stock, editor), pp. 75-80. Wiss. Beiträge, 51, Univ. Halle/Saale.
- Palková, Z. (1994) *Fonetika a fonologie češtiny*. Praha: Karolinum.
- Park, Y.M. (1989) 'Aspects syntaxique et rythmique de l'organisation prosodique des phrases en français: étude acoustique des variables temporelles et mélodiques', *Travaux de l'Institut de Phonétique de Strasbourg*, **21**, pp. 1-210.
- Patel, A.D., Löfqvist, A., and Naito, W. (1999). "The acoustics and kinematics of regularly-timed speech: A database and method for the study of the P-center problem", *Proceedings of the 14th International Congress of Phonetic Sciences*, San Francisco, Volume 1, pp.405-408.
- Pavel, O. (1974) *Jak jsem potkal ryby*. Prague: Mladá fronta.
- Pensom, R. (1999) *Accent and Metre in French*, Bern, Peter Lang
- Peterson, G. E. & Lehiste, I. (1960) Duration of syllable nuclei, *Journal of the Acoustical Society of America*, **32**, 693-703.
- Petr, J. (editor) (1986) *Mluvnice češtiny I-III*. Praha: Academia.
- Petřík, S. (1938) O hudební stránce středoevropské v?ty. Praha.

- Pettersson, Thore and Sidney Wood (1988) "Vowel reduction in Bulgarian", *Folia Linguistica* XXII/3-4, pp. 239-262.
- Pfitzinger, H.R. (1998). Local speech rate as a combination of syllable and phone rate. *Proc. ICSLP* Sydney, 1087-1090.
- Pfitzinger, H.R. (1999). Local speech rate perception in German speech. *Proc. ICPHS* San Francisco, 893-896.
- Picheny, M. A., Durlach, N. I. & Braida, L. D. (1985) Speaking clearly for the Hearing Impaired I: Intelligibility Differences between Clear and Conversational Speech, *Journal of Speech and Hearing Research* **28**, 96-103.
- Picheny, M. A., Durlach, N. I. & Braida, L. D. (1986) Speaking clearly for the Hearing Impaired II: Acoustic Characteristics of Clear and Conversational Speech, *Journal of Speech and Hearing Research* **29**, 434-446.
- Pickett, J. M. (1980) *The Sounds of Speech Communication, A Primer of Acoustic Phonetics and Speech Perception*, Baltimore: University Park Press.
- Pierrehumbert, J. (1980) *The phonology and phonetics of English intonation*. PhD thesis, MIT. Published by Indiana University Linguistics Club.
- Pierrehumbert, J. (1981) Synthesizing intonation, *Journal of the Acoustical Society of America*, **70**(4), 985-995.
- Pike, K. (1945) *Intonation of American English*. University of Michigan Press: Ann Arbor.
- Pike K L (1962) 'Practical Phonetics of Rhythm Waves', *Phonetica* 8; 9 - 30
- Pike K L (1967) *Language in relation to a unified theory of the structure of human behavior*. 2nd ed The Hague: Mouton
- Pirker, H. & Kramer, S. (1999). Listening to lists: studying durational phenomena in enumerations. *Proc. ICPHS* San Francisco, 273-276.
- Pisoni, D.P. (1993). Long-term memory in speech perception: some new findings on talker variability, speaking rate and perceptual learning. *Speech Communication* 13, 109-125.
- Pitrelli, J. F., Beckman, M. E. & Hirschberg, J. (1994) Evaluation of prosodic transcription labelling reliability in the ToBI framework. In *Proceedings of the 1994 International Conference on Spoken Language Processing (ICSLP)*, pp. 123-126. Yokohama.
- Pointon, G. E. (1980) Is Spanish really syllable-timed? *Journal of Phonetics*, **8**, 293-304.
- Polivanov, E. D. (1936) "Zur Frage der Betonungsfunktionen", in *Etudes Dediees au Quatrieme Congres de Linguistes, TCLP*, **6**, 75-81.
- Port, R. F. (1977) The influence of speaking tempo on the duration of stressed vowel and medial stop in English trochee words, *Indiana University Linguistics Club, Bloomington*.
- Port, R. F. (1979). The influence of tempo on stop closure duration as a cue for voicing and place, *Journal of Phonetics* **7**, 45-56.

- Port, R. F. (1981) Linguistic timing factors in combination, *Journal of the Acoustical Society of America*, **69** (1), 262-274.
- Port, R. F., Al-Ani, S. & Maeda, S. (1980) Temporal compensation and universal phonetics, *Phonetica*, **37**, 235-252.
- Port, R. F. & Dalby, J. (1982) Consonant/vowel ratio as a cue for voicing in English, *Perception and Psychophysics* **32**, 141-152.
- Port, R. F., Dalby, J. & O'Dell, M. (1987) Evidence for mora-timing in Japanese, *Journal of the Acoustical Society of America*, **81**, 1574-1585.
- Port, R., Tajima, K., & Cummins, F. (1998). 'Speech and Rhythmic Behavior', in G. J. P. Savelsbergh, H. v. d. Maas, & P. C. L. v. Geert (Eds.), *The Non-linear Analyses of Developmental Processes*. Amsterdam: Royal Dutch Academy of Arts and Sciences.
- Porter, R. J. (1986) Speech messages, modulations and motions, *Journal of Phonetics* **14**, 83-88.
- Potapova, R. K. (1979) Auditory Estimate of Syllable and Vowel Duration in Sentence, In Hollien, H. and Hollien, P. (eds.), *Current Issues in the Phonetic Sciences*, Amsterdam: J. Benjamins, 465-475.
- Prince, A. (1983) "Relating to the grid", *Linguistic Inquiry*, 14.1, pp. 19-100.
- Quene, H. and Koster, M. (1998) 'Metrical segmentation in Dutch: vowel quality or stress', *Language and Speech* **41**(2) 185-202.
- Ramig, L.A. (1983) 'Effects of physiological aging on speaking and reading rates', *Journal of Communication Disorders*, **16**, 217-226.
- Ramus, F., Nespors, M. and Mehler, J. (1999) "Correlates of linguistic rhythm in the speech signal", *Cognition*, **73**, pp. 265-292.
- Raphael, L. J., Dorman, M. F., Freeman, F. & Tobin, C. (1975) Vowel and nasal duration as cues to voicing in word-final stop consonants: spectrographic and perceptual studies, *Journal of Speech and Hearing Research*, **18**, 389-400.
- Rapp, K. (1971) A study of syllable timing, *STL-QPSR* **1**, 14-19.
- Raupach, M. (1980) Temporal variables in first and second language speech production. In *Temporal variables in speech: Studies in honour of F. Goldman-Eisler* (H. W. Dechert & M. Raupach, editors). The Hague: Mouton Publishers.
- Rees, M. (1975) The domain of isochrony. *Work in Progress*, **8**, pp. 14-28. Edinburgh University, Department of Linguistics.
- Repp, B., 1992, Probing the cognitive representation of musical time : structural constraints on the perception of timing perturbations, *Haskins Laboratories Status Report on Speech research*, 111/112, New Haven, Connecticut, 293-320.
- Rieber, R.W., Breskin, S. & Jaffe, J. (1972). Pause time and phonation time in stuttering and cluttering. *J Psycholinguistic Research* 1 (2), 149-154.
- Rietveld, A.C.M. (1975). Untersuchungen zur Vokaldauer im Deutschen. *Phonetica* 31, 248-258.

- Rietveld, A.C.M. & Gussenhoven, C. (1987). Perceived speech rate and intonation. *J Phonetics* 15, 273-285.
- Rietveld, A. C. M. & Eefting, W. (1988) Temporal variation in natural speech. In *Proceedings*, 12, pp. 12-13. Department of Language and Speech, Phonetics section. University of Nijmegen.
- Rietveld, T., Kerkhoff, J. & Gussenhoven, C. (1999). Prosodic structure and vowel duration in Dutch. *Proc. ICPhS San Francisco*, 463-466.
- Riley, M., 1992, Tree-based modelling of segmental durations, in Bailly, G. & Benoît, C. (eds.), *Talking Machines*, Amsterdam : North-Holland, 265-273.
- Ritt, N. (1999) 'The prosodic evolution of English word forms or The Great Trochaic Conspiracy', *VIEWZ (Vienna English Working Papers)* 8.2, University of Vienna, pp. 85-107.
- Roach, P. (1980) Reaction time measurements of laryngeal closure, *Journal of Phonetics* 8, 305-315.
- Roach, P. (1982) On the distinction between 'stress-timed' and 'syllable-timed' languages. In *Linguistic controversies* (D. Crystal, editor), pp. 73-79. London: Edward Arnold.
- Roach, P. (1991) *English Phonetics and Phonology: A practical course*. 2nd ed, Cambridge Univ. Press.
- Roach, P. (1994) Conversion between prosodic transcription systems: 'Standard British' and ToBI. *Speech Communication*, 15, 91-99.
- Roach, P. (1998) "Some Languages are Spoken More Quickly Than Others", in 'Language Myths', ed. P. Trudgill and L. Bauer, pp. 150-8, Penguin.
- Roach, P., Miller, D. and Sergeant, P. (1992) 'Syllabic consonants at different speaking rates: A problem for automatic speech recognition', *Speech Communication*, 11, pp. 475-479.
- Rochester, S. R. (1973) The significance of pauses in spontaneous speech, *Journal of Psycholinguistic Research*, 2, 51-81.
- Rogerson, P. and J. Gilbert (1990) *Speaking Clearly*, CUP.
- Rokošná, D., Mervová, I.: Štýly, typy a variety výslovnosti. In: *Jazykovedný časopis*, vol. 31, 1980, no. 2, p. 159-167.
- Romportl, M. (1958) *Zvuková stránka souvislé řeči v nářečích na Těšínsku*. Ostrava.
- Romportl, M. (1973) *Studies in Phonetics*. Praha.
- Romportl, M. (1973) *Základy fonetiky*. Praha.
- Rose, A. & Pew, R. W. (1972) Motor programs and time sharing in skilled performance, *44th Annual meeting of the Midwestern Psychological Association*, Cleveland, Ohio, May 5.
- Rosenhouse, J. (1980) 'Duration in infants' communication by cries', *Journal of Phonetics* 8.2, pp. 135-156.

- Ružišková, E.: Fluency Through Suprasegmentals. In: *Philologica*, vol. **XXLVI**. Bratislava: Univerzita Komenského, 1997, p. 81-92.
- Sabin, E. J., Clemmer, E. J., O'Connell, D. C. & Kowal, S. (1979) A pausological approach to speech development. In *Of Speech and Time: Temporal Speech Patterns in Interpersonal Contexts* (A.W.Siegmán & S. Feldstein, editors), pp. 35-55. Hillsdale, NJ: Lawrence Erlbaum.
- Sabol, J.: Prízvuk v slovenšine. In: *Studia Academica Slovaca*, 15. Ed. J. Mistrík. Bratislava: Alfa, 1986, p. 391-412.
- Sabol, J.: Rytmus a metrum v preklade veršovaného textu. In: *Acta Facultatis philosophicae universitatis Šafarikanae. Konfrontačný a komparatívny výskum jazykovej a literárnej komunikácie*. Bratislava: Slovenské pedagogické nakladateľstvo, 1988, p. 199-204.
- Sanderman, A. A (1995) Phonetic realisation of prosodic boundaries in synthetic speech. In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 2, pp. 342-345. Stockholm.
- Sanderman, A. A. & Collier, R. (1994) Prosodic phrasing at the sentence level. *Festschrift for K. Harris of Physics, Modern Acoustics and Signal Processing Series*. American Institute of Physics.
- Sanderman, A.A. and Collier, R. (1997) 'Prosodic phrasing and comprehension', *Language and Speech*, **40(4)**, 391-410.
- van Santen, J.P.H. & Olive, J.P. (1990). The analysis of contextual effects on segmental duration. *Computer Speech & Language* 4, 359-390.
- van Santen, J., Shih, C., Möbius, B., Tzoukermann, E. & Tanenblatt, M. (1997). Multi-lingual duration modelling. *Proc. Eurospeech Rhodes*, 2651-2654.
- Sato, Y. (1993) The durations of syllable-final nasals and the mora hypothesis in Japanese, *Phonetica*, 50, 44-67.
- Savithri, S. R. (1995) "On speech rhythm in Kannada", *Journal of Phonetics*, 23, pp. 273-289.
- Sawusch, J.R. (1996). Effects of duration and formant movements on vowel perception. *Proc. ICSLP Philadelphia*, 2482-2485.
- Schane, S. (1979a) "Rhythm, accent and stress in English words", *Linguistic Inquiry*, vol. 10, No. 3, pp. 483-502.
- Schane, S. (1979b) "The rhythmic nature of English word accentuation", *Language*, 55, pp. 559-602.
- Schlichter, H. (1999) "Débit et pauses dans le discours de Jacques Chriac et dans trois de ses imitations", *Travaux de l'Institut de Phonétique de Strasbourg*, **29**, pp. 41-72.
- Schuetze-Coburn, S., Shapley, M. & Weber, E. G. (1991) Units of intonation in discourse: A comparison of acoustic and auditory analyses, *Language and Speech*, **34**, 207-234.
- Schwartz, M.F. (1969) 'Influence of vowel environment upon the duration of /s/ and /ʔ/' ,

JASA, **46**, 480-1.

Schwarzlose, R., & Bradlow, A. (2001). What happens to segment durations at the end of a word? *Journal of the Acoustical Society of America*, 109(5, Pt. 2), 2292.

Scott, D. (1982) "Duration as a cue to the perception of a phrase boundary", *JASA*, vol. 71, No. 4, pp. 996-1007.

Scott, D. R., Isard, S. D. & De Boysson-Bardies, B. (1985) Perceptual isochrony in English and in French, *Journal of Phonetics* **13**, 155-162.

Scully, C (1973) Rhythmical and physiological constraints in the production of some English speech. Paper to the Spring meeting of the British Acoustical Society, 25-27 April 1973.

Sedláková, J. (1989) *Variability of speech tempo in monologues*. Unpublished undergraduate thesis. Charles University, Prague.

Selkirk, E. (1978). On prosodic structure and its relation to syntactic structure. In T. Fretheim (Ed.), *Nordic Prosody II*, (pp. 111-140). Trondheim: TAPIR.

Selkirk, E. (1980) The Role of Prosodic Categories in English Word Stress, *Linguistic Inquiry* **11**, 563-605.

Selkirk, E. (1980b) Prosodic domains in phonology: Sanskrit revisited. In *Juncture*, Saratoga (M. Aronoff & M. L. Kean, editors). Ca.: Anma Libri.

Selkirk, E. (1984) *Phonology and Syntax: The relation between Sound and Structure*, MIT Press.

Selkirk, E. (1984) *Phonology and syntax: the relation between sound and structure*. Cambridge, MA: MIT Press.

Selkirk, E. (1995) Sentence prosody: Intonation, stress, and phrasing. In *The handbook of phonological Theory* (J. A. Goldsmith, editor), pp. 550-569. Oxford: Blackwell.

Seong, C.-J. (1995) *The Experimental Phonetic Study of the Standard Current Korean Speech Rhythm - with respect to its temporal structure -*, Ph.D. thesis, Seoul National University.

Setter, J.(1997): Rhythm and timing in Hong Kong English: speaker systems. In: *New Sounds '97. Proceedings of the Third International Symposium on the Acquisition of Second-Language Speech*. Eds. J. Leather and A. James. Klagenfurt: University of Klagenfurt, pp.158-166.

Setter, J (1998) Vowel Duration in Hong Kong English. 1st Asia-Pacific Conference on Speech, Language and Hearing, University of Hong Kong Department of Speech & Hearing Sciences, October 1-3, 1998.

Setter, J. and Roach, P. (1996) 'Timing in Hong Kong pronunciation of English: evidence from speech database techniques', in K.Head *ELT Links: The Vienna Symposium*, IATEFL/British Council, Vienna, pp. 89-90.

Sharf, D. J. (1962) Duration of post-stress inter-vocalic stops and preceding vowels, *Language and Speech*, **5**, 26-30.

- Shattuck-Hufnagel, S. (1991) "Acoustic correlates of stress shift", *Proceedings of the XIIIth ICPHS, Aix-en-Provence*, vol. 4, pp. 266-269.
- Shattuck-Hufnagel, S. (1995) "The importance of phonological transcription in empirical approaches to "stress shift" versus "early accent": comments on Grabe and Warren, and Vogel, Bunnell and Hoskins, In: *Phonology and Phonetic Evidence. Papers in Laboratory Phonology IV*, Ed. by B. Connell and A. Arvaniti, CUP, pp. 128-140.
- Shattuck-Hufnagel, S., M. Ostendorf and K. Ross (1994) "Stress shift and early pitch accent placement in lexical items in American English", *Journal of Phonetics*, 22, pp. 357-388.
- Shattuck-Hufnagel, S. & Turk, A.E. (1996). A prosody tutorial for investigators of auditory sentence processing. *J Psycholinguistic Research* 25 (2), 193-247.
- Shen, Yao & Peterson, G. G. (1962) Isochronism in English, University of Buffalo, *Studies in Linguistics, Occasional Papers* 9, 1-36.
- Shields, L. & Balota, D. (1991). Repetitions and associative context effects in speech production, *Language and Speech*, **31**, 135-156.
- Shockey, L.: (1997) Perception of reduced forms by native and non-native speakers of English. In: *New Sounds '97. Proceedings of the Third International Symposium on the Acquisition of Second-Language Speech*. Eds. J. Leather and A. James. Klagenfurt: University of Klagenfurt, pp. 314-320.
- Shockey, L. (2003) *Sound Patterns of Spoken English*, Blackwell.
- Shockey, L, Gregorski, R. & Lehiste, I. (1971) Word-Unit Temporal Organization, *Journal of the Acoustical Society of America*, **50**, 117.
- Shriberg, E. (2001) To 'errrr' is human: ecology and acoustics of speech disfluencies, *Journal of the I.P.A.*, **31**, 1, pp.: 153-169.
- Silva, D. J. (1992) *The Phonetics and Phonology of Stop Lenition in Korean*. Doctoral dissertation, Cornell University.
- Silverman, K., Beckman, M., Pitrelli, J., Ostendorf, M., Wightman, C., Price, P., Pierrehumbert, J. & Hirschberg, J. (1992) ToBI: A standard for labelling English prosody. In *Proceedings of the 1992 International Conference on Spoken Language Processing (ICSLP)*, vol. 2, 867-870. Banff, Alberta, Canada.
- Skalicková, A. (1954) K otázce podstaty slabiky. In *Slovo a slovesnost*, **15**, 19-24.
- Slis, I. H. (1975) Consequences of Articulatory Effort on Articulatory timing, In *Auditory Analysis and Perception of Speech*, Fant, G. & Tatham, M. A. A. (eds.), Academic Press, 397-412.
- Slis, I. H., Haselager, G. J. T. & Rietveld, A. C. M. (1988) Development of speech rate in Dutch children. *Proceedings*, **12**, Department of Language and Speech, Phonetics section, University of Nijmegen.
- Smith, A. (1975) Syllable-structure and rhythm in Japanese, *Work in Progress* (Department of Linguistics, Edinburgh University), **8**, 1-8.
- Smith, A. (1976) The timing of French, with reflections on syllable timing, *Work in*

Progress (Department of Linguistics, Edinburgh University), **9**, 97-108.

Smith, B. C., Wasowicz, T. & Preston, T. (1987) Temporal characteristics in the speech of normal elderly adults, *Journal of Speech and Hearing Research*, **30**, 522-528.

Smith, B.L. (1978) 'Temporal aspects of English speech production: a developmental perspective', *Journal of Phonetics*, **6.1**, pp. 37-68.

Smith, R.M. and C.A. Fowler (1985) "The effects of speaking rate on the isochrony of monosyllables", *JASA, Supplement 1*, vol. 77, s52-s53.

van Son, R.J.J.H. & Pols, L.C.W. (1989): Comparing formant movements in fast and normal rate speech. *Proc. Eurospeech Paris* (2), 665-668.

van Son, R.J.J.H. & Pols, L.C.W. (1992): Formant movements of Dutch vowels in a text, read at normal and fast rate. *J Acoust. Soc. Am.* 92 (1), 121-127.

van Son, R.J.J.H. & van Santen, J.P.H. (1997). Strong interaction between factors influencing consonant duration. *Proc. Eurospeech Rhodes*, 319-322.

Sonoda, Y. (1987) 'Effect of speaking rate on articulatory dynamics and motor event', *Journal of Phonetics*, **15.2**, pp. 145-156.

Sorensen, J. M. & Cooper, W. E. (1980) Syntactic coding of fundamental frequency in speech production. In *Perception and production of fluent speech* (R. A. Cole, editor). Hillsdale, N. J.: New Jersey: Lawrence Erlbaum Associates.

Starkweather, C. W. (1980) Speech fluency and its development in normal children. In *Speech and Language: Advances in Basic Research and Practice* (N. J. Lass, editor). New York: Academic Press.

Stathopoulos, E. T. and Weismer, G. (1983). Closure duration of stop consonants, *Journal of Phonetics* **11**, 395-400.

Steele, J. (1779) *Prosodia Rationalis, or An Essay towards Establishing the Melody and Measure of Speech, to be Expressed and Perpetuated by Peculiar Symbols*, 2nd Edition amended and enlarged, London: J. Nichols.

Stenström, A. (1990) Pauses in Monologue and Dialogue. In *The London-Lund corpus of spoken English: Description and research* (J. Svartvik, editor), Lund University Press, Lund.

Stetson, R.H. (1905) 'Motor theory of rhythm and discrete succession' I and II, *Psychological Review* **XII**, 250-269, 293-335

Stetson, R.H. (1951) *Motor Phonetics*, 2nd ed., Amsterdam: North-Holland.

Strangert, E. (1987) "Major determinants of speech rhythm: a preliminary model and some data", *Proceedings of the XIth ICPhS*, Tallinn, Estonia, vol. 2, pp. 149-152.

Strangert, E. (1991). Pausing in texts read aloud. *Proc. ICPhS Aix-en-Provence* (2), 238-241.

Strangert, E. (1993) Speaking style and pausing. In *Reports from the Department of Phonetics - PHONUM*, **2**, pp. 121-137. University of Umeå.

- Streeter, L. (1978). Acoustic determinants of phrase boundary perception *J Acoust. Soc. Am.* 64 (6), 1582-1592.
- Strik, H., Kessens, J. and Wester, M. (1998) *Modeling Pronunciation Variation for Automatic Speech Recognition*, University of Nijmegen.
- Sugito, M., Ohyama, G. and Hirose, H. (1990) 'A preliminary study on pauses and breaths in reading speech materials', *Annual Bulletin of RILP*, **24**, University of Tokyo, pp. 121-130.
- Summerfield, Q. (1981). Articulatory rate and perceptual constancy in phonetic perception. *J Experimental Psychology: Human Perception & Performance* 7 (5), 1074-1095.
- Swerts, M. (1997). Prosodic features at discourse boundaries of different strength. *J Acoust. Soc. Am.* 101, 514-521.
- Swerts, M. & Geluykens, R. C. (1994) Prosody as a marker of intonation flow in spoken discourse, *Language and Speech*, **37**, 21-43.
- t'Hart, J., Collier, R. & Cohen, A. (1990) *A perceptual study of intonation*. Cambridge, UK: Cambridge University Press.
- Tajima, K. (1998). Speech Rhythm in English and Japanese: Experiments in Speech Cycling. Unpublished PhD thesis, Indiana University.
- Tajima, K., R. Port and J. Dalby (1997) "Effects of temporal correction on intelligibility of foreign-accented English", *Journal of Phonetics*, 25, pp. 1-24.
- Takefuta, Y. (1973) 'Onseieigo ni Okeru Hatsuonsokudo no Bunsekiteki Kenkyu (A controlled study of speech rate in American English)', *The Study of Sounds*, **XVI**, 231-247
- Tamaki, T. (1990) 'Rhythm in Japanese: a perceptual approach', *Working Papers in Linguistics & Phonetics* **5**, University of Leeds, pp. 63-76.
- Tarui, T. (1983) *Effect of Production practice on Acquisition of English Rhythm*, Sophia University
- Tarui, T. (1993) 'The acquisition of English features at the sentence level by Japanese learners of English', *Bulletin of Akenohoshi Women's Junior College*, **11**, 35-60
- Tauroza, S. and Allison, D. (1990) 'Speech rates in British English', *Applied Linguistics*, 11, pp.90-105.
- Taylor, D.S. (1981) "Non-native speakers and the rhythm of English", *IRAL*, vol. XIX/3.
- Tench, P. (1997) review of Couper-Kuhlen (1993) in *Functions of Language* **4.1**; 119-124.
- Thilly, C., (1992) 'Description acoustique des variations de la duree vocalique en francais: etat de la question', *Rapport d'Activites de l'Institut de Phonetique*, Universite Libre de Bruxelles, **28**, pp.31-51.
- Thilly, C. (1993) 'Influence of prevocalic consonant on vowel duration in French CV [p] utterances', *Rapport d'Activites de l'Institut de Phonetique*, Universite Libre de Bruxelles,

29, pp. 97-108.

Thompson, W. (1923) *The Rhythm of Speech*, Glasgow: Maclehose, Jackson & Co.

Thorsen, N. (1980) A study of the perception of sentence intonation: evidence from Danish, *Journal of the Acoustical Society of America*, **67**, 1014-1030.

Tingley, B. M. & Allen, G. D. (1975) Development of speech timing control in children, *Child Development*.

Treisman, M. (1963) Temporal discrimination and the indifference interval, *Psychological Monographs* **77**, 1-31.

Trim, J. L. M. (1959) Major and minor tone-groups in English, *Le Maître Phonétique*, **112**, 26-29.

Triplet, N. and Sanford, E.C. (1901) 'Studies of rhythm and metre', *American Journal of Psychology*, **XII**, 361-387

Trouvain, J. (1999): Phonological aspects of reading rate strategies. *Phonus* 4 (Research Report Phonetics Saarbrücken), 15-35.

Trouvain, J. & Grice, M. (1999): The effect of tempo on prosodic structure. *Proc. ICPHS* (2) San Francisco, 1067-1070.

Tsao, Y.-C. & Weismer, G. (1997). Interspeaker variation in habitual speaking rate: evidence for a neuromuscular component. *J Speech, Language and Hearing Research* **40**, 858-866.

Tuller, B. & Fowler, C. (1980) Some articulatory correlates of perceptual isochrony, *Perception & Psychophysics* **27** (4), 277-283.

Tuller, B., Harris, K. S. & Kelso, J. A. S. (1982) Stress and rate: differential transformation of articulation, *Journal of the Acoustical Society of America* **71**, 1534-1543.

Turk, A.E. (1999). Structural influences on boundary-related lengthening in English. *Proc. ICPHS San Francisco*, 237-240.

Turk, A. E. and J.R. Sawusch (1997) "The domain of accentual lengthening in American English", *Journal of Phonetics*, **25**, pp. 25-41.

Turk, A., & Shattuck-Hufnagel, S. (2000). Word-boundary-related duration patterns in English. *Journal of Phonetics*, **28**, 397-440.

Turk, A E & White, L (1999) Structural influences on accentual lengthening in English. *Journal of Phonetics* **27**, pp 171-206.

Uhmann, S. (1989). On some forms and functions of speech rate changes in everyday conversation. Working Paper 7 "Kontextualisierung durch Rhythmus und Intonation", University of Konstanz.

Uhmann, S. (1996) "On rhythm in everyday German conversation. Beat clashes in assessment utterances", in: *Prosody in Conversation*, E. Couper-Kuhlen and M. Selting (eds), Cambridge Univ. Press 1996 (2nd printing 1999).

- Uldall, E. T. (1971) Isochronous stresses in RP, In *Forms and Substance: Phonetic and Linguistic Papers Presented to Eli Fischer-Jorgensen*, (Hammerich, L. L. Jakobson, Roman & Zwirner, Eberhard, Eds), 205-210, Copenhagen: Akademisk Forlag.
- Uldall, E. T. (1972) Relative durations of syllables in two-syllable rhythmic feet in RP. In connected speech, Edinburgh University Department of Linguistics, *Work in Progress* **5**, 110-111.
- Umeda, N. (1972) Vowel duration in Polysyllabic Words in American English, *Journal of the Acoustical Society of America* **52**, 133 (A).
- Umeda, N. (1975) Vowel duration in American English, *Journal of the Acoustical Society of America* **58** (2), 434-445.
- Umeda, N. (1977) Consonant duration in American English, *Journal of the Acoustical Society of America* **61**, 846-858.
- Urbanová, L.: Poznámky k funkcii slovesa v angličtine z hľadiska funkčnej vnútornej perspektívy. In: *Acta Facultatis Philosophicae Šafarikanae. Konfrontačný a komparatívny výskum jazykovej a literárnej komunikácie*. Bratislava: Slovenské pedagogické nakladateľstvo, 1988, p. 109-114.
- Urbanová, L.: Zvuková rovina anglického konverzačného štýlu. In: *Cizí jazyky ve škole, vol. 21, 1985/86, p. 356-358*.
- Vaane, E. (1982) Subjective estimation of speech rate, *Phonetica*, **39**, 136-149.
- Vaissière, J. (1971) *Contribution à la synthèse par règles du Français*. PhD thesis, Université des Langues et Lettres de Grenoble.
- Vaissière, J. (1983) Language-independent prosodic features. In *Prosody: Models and Measurements* (A. Cutler & D. R. Ladd, editors), pp. 53-66. Heidelberg: Springer-Verlag.
- Vaissière, J. (1991) Perceiving rhythm in French? In *Proceedings of 12th International Congress of Phonetic Sciences*, vol. 4, pp. 258-261. Aix-en-Provence.
- van Lancker, D., Kreiman, J., & Bolinger, D. (1988). Anticipatory lengthening. *Journal of Phonetics*, **61**, 339-347.
- van Santen, J. P. H. (1992) Contextual effects on vowel duration, *Speech Communication*, **11**(6), 513-546.
- van Santen, J.P.H. (1992) 'Deriving text-to-speech durations from natural speech', in G. Bailly, C. Beniot (eds) *Talking Machines*, Elsevier, pp. 275-287.
- van Kuijk, D. and Boves, L. (1999) 'Acoustic characteristics of lexical stress in continuous telephone speech', *Speech Communication*, **27.2**, pp. 95-112.
- Vaughan - Rees, M.: Priorities in Pronunciation Teaching. In: *Practical English Teaching*. London: Mary Glasgow Publications Ltd, March 1991, p. 50-52.
- Vayra, M., Avesani, C. & Fowler, C. A. (1983) Patterns of temporal compression in spoken Italian, *Proceedings of the tenth international congress of Phonetic sciences*, Utrecht, 541-546.
- Vierordt, K. (1868) *Der Zeitsinn nach Versuchen*, Tübingen: H. Laupp.

- Vincent, M., Di Cristo, A. & Hirst, D. (1995) Prosodic features of finality for intonation units in French. In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 2, pp. 718-721. Stockholm.
- Visch, E. (1990) *A Metrical Theory of Rhythmic Stress Phenomena*, Dordrecht: Foris.
- Vogel, I., H.T. Bunnell and S. Hoskins (1995) "The phonology and phonetics of the Rhythm Rule", In: *Phonology and Phonetic Evidence. Papers in Laboratory Phonology IV*, Ed. by B. Connell and A. Arvaniti, CUP, pp. 111-127.
- Wajskop, M. (1978) 'Indices temporels des occlusives intervocaliques en français', *Rapport d'Activités de l'Institut de Phonétique*, 12/2, Université Libre de Bruxelles, pp. 71-85.
- Wajskop, M. (1979) 'Les durees segmentales des plosives intervocaliques en francais', *Frontiers of Speech Communication Research*, B.Lindblom and S. Ohman (eds), Academic Press, pp. 109-123.
- Walsh, T. & Parker, F. (1981) Vowel length and 'voicing' in a following consonant, *Journal of Phonetics* **9**, 305-308.
- Walker, V.G. (1988) 'Durational characteristics of young adults during speaking and reading tasks', *Folia Phoniatica*, **40**, 12-20.
- Walker, J.F., Archibald, L.M.D., Cherniak, S.R. & Fish, V.G. (1992). Articulation rate in 3- and 5-year-old children. *J Speech and Hearing Research* **35**, 4-13.
- Wang, M. Q. & Hirschberg, J. (1992) Automatic classification of intonational phrase boundaries, *Computer Speech and Language*, **6**, 175-196.
- Waniek-Klimczak, E (1999) Vowel duration in interlanguage. *Speak Out!* **23**, pp26-30.
- Warren, P. (1985) *The temporal organization and perception of speech*. Unpublished PhD thesis, Cambridge University.
- Warren, P (ed) (1996) Prosody and Parsing. A special edition of *Language and Cognitive Processes* **11**(1/2). East Sussex, UK: Psychology Press.
- Warren, Paul (1998) Timing patterns in New Zealand English rhythm. *Te Reo*, **48**.
- Webb, J. T. (1969) Subject speech rates as function of interviewer's behaviour, *Language and Speech*, **12**, 54-67.
- Weismer, G. & Ingrisano, D. (1979) Phrase-level timing patterns in English: effects of emphatic stress location and speaking rate, *Journal of Speech and Hearing Research*, **22**, 516-533.
- Weitzman, R. S. (1969) *Japanese Accent: An Analysis Based on Acoustic Phonetic Data*, PhD dissertation, University of Southern California.
- Welford, A.T. (1977) Causes of slowing performance with age. *Interdisciplinary Topics in Gerontology*, **11**, 43-51.
- Wells, J. C.: Syllabification. In: *Studies in Pronunciation of English. A Commemorative Volume in Honour of A. C. Gimson*. Ed. S. Ramsaran. London: Routledge, 1991, p. 76-86.

- Wenk, B. and F. Wioland (1982) "Is French really syllable-timed?", *Journal of Phonetics*, 10, pp. 193-216.
- Wenk, B.J. (1985) "Speech rhythms in second language acquisition", *Language and Speech*, vol. 28, part 2, pp. 157-175.
- Westbury, J., Severson, E. and Lindstrom, M. (2000) 'Kinematic event patterns in speech: special problems', *Language and Speech* **43(4)**, 403-428.
- Wetzell, W.B. (2000) 'Rhythm, Dialects and the Southern Drawl', unpublished master's thesis, North Carolina State University.
- White, L. & Turk, A.E. (1997). The domain of the durational effects of accent in Scottish English. Proc. Eurospeech Rhodes, 795-798.
- Whitehead, R.L. and Jones, K.O. (1978) 'The effect of vowel environment on duration of consonants produced by normal-hearing, hearing-impaired and deaf adult speakers', *Journal of Phonetics*, **6.1**, pp. 77-81.
- Whiteside, S. (1996). Temporal-based acoustic-phonetic patterns in read speech: some evidence for speaker sex differences. *J Intern. Phonetic Assoc.* 26 (1), 23-40.
- Wichmann, A. & Knowles, G. (1995) How determinable are intonation units? In *Proceedings of 13th International Congress of Phonetic Sciences*, vol. 2, pp. 222-225. Stockholm.
- Wieneke, G., Janssen, P. and Belderbos, H. (1987) 'The influence of speaking rate on the duration of jaw movements', *Journal of Phonetics*, **15.2**, pp. 111-126.
- Wightman, C. W., Shattuck-Hufnagel, S., Ostendorf, M. & Price, P. (1992) Segmental durations in the vicinity of prosodic phrase boundaries, *Journal of the Acoustical Society of America*, 91, 1707-1717.
- Wiik, K. (1991) "On a third type of speech rhythm: foot timing", *Proceedings of the XIIth ICPHS*, Aix-en-Provence, vol. 3, 298-301.
- Wilbur, R. & Zelaznik, H. (1997) Kinematic correlates of stress and phrase position in ASL. Talk presented at the 1997 meeting of the Linguistic Society of America.
- Williams, B. & Hiller, S. M. (1994) The question of randomness in English foot timing: a control experiment, *Journal of Phonetics* **22**, 423-439.
- Williams, C. & Stevens, K. N. (1972) Emotions and Speech: Some Acoustical Correlates, *Journal of the Acoustical Society of America*, **52**, 1238-1250.
- Williams, P.D. and Sharf, D.J. (1979) 'Effect of adaptation on the perception and production of vowel duration preceding stop consonants', *Journal of Phonetics*, **7.2**, pp. 81-92.
- Wish, M. and J.D. Carroll (1974) "Perception of rhythm and accent in words and phrases", In: Carterette, E. (Ed.), *Handbook of Perception II*, pp. 462-470.
- Wong, R (1987) *Teaching Pronunciation: Focus on English rhythm and intonation*. Englewood Cliffs, NJ: Prentice Hall Regents.
- Wood, S. (1973). Speech tempo. *Working Papers Phonetics Lund* 9, 99-147.

- Woodrow, H. (1951) Time Perception, *Handbook of Experimental Psychology*, (Stevens, S. S. Ed.), New York: Wiley, 1224-1236.
- Wundt, W. (1911) *Grundzuge der physiologischen Psychologie*, 6th ed. Leipzig: Engelmann.
- Yun, I. (1992) *A Comparative Investigation into the Intonation of Rhythmic Units in Korean, Japanese and English*, M. A. thesis, Seoul National University.
- Yun, I. (1995) *Comparison of stressed and unstressed Korean vowels with reference to rhythm*, Department of Linguistic Science, Reading University.
- Yun, I. (1996) *Voicing and tenseness in English and Korean intervocalic stops*, Department of Linguistic Science, Reading University.
- Yun, I. (1998) *A Study of Timing in Korean Speech*, Ph.D. thesis, Reading University.
- Zee, E. (1978) 'Duration and intensity as correlates of F0', *Journal of Phonetics*, **6.3**, pp. 213-220.
- Zellner, B. (1994) Pauses and the temporal structure of speech. In *Fundamentals of speech synthesis and speech recognition* (E. Keller, editor), pp. 41-62. John Wiley & Sons Ltd.
- Zellner, B. (1996). Structures temporelles et structures prosodiques en français lu. *Revue Française de Linguistique Appliquée: La communication parlée*. 1. (pp.7-23).Paris.
- Zellner, B. (1997). Improving Speech Fluency in French through Psycholinguistic Principles. 14th CALICO Annual Symposium, ISBN 1-890127-01-9. New-York.
- Zellner, B. (1998). Caractérisation et prédiction du débit de parole en français. Une étude de cas. Thèse de Doctorat. Faculté des Lettres, Université de Lausanne.
- Zellner, B. (1998). Caractérisation du débit de parole en français. Acte des XXIIèmes Journées d'Etude sur la Parole (JEP 98). Martigny, Suisse.
- Zellner, B. (1998). Temporal structures for Fast and Slow Speech Rate. ESCA/COCOSDA. Third International Workshop on Speech Synthesis. (pp. 143 - 146), November 1998, Jenolan Caves (Australia).
- Zellner, B. (1998). Fast and Slow Speech Rate: a Characterisation for French. ICSLP, 5th International Conference on Spoken Language Processing. (Volume 7, pp. 3159 - 3163), December 1998, Sydney (Australia).
- Zellner Keller, B. & Keller, E. (Forthcoming). Representing Speech Rhythm. Working Papers of COST 258. Université de Lausanne.
- Zellner Keller, B. (Forthcoming). Prediction of Temporal Structures for Various Speech Rates. In N. Campbell. (Ed). Volume on Speech Synthesis. Springer-Verlag.
- Zellner Keller, B., & Keller, E. (Forthcoming). The primordial nature of speech rhythm. In Ph. Delcloque and V. M. Holland (Eds). Integrating Speech Technology in Language Learning. Swets & Zeitlinger
- Zhi, M., Lee, Y.-J, Lee, J.-C, & Bang, M.-W. (1990) *Acoustic Phonetic Studies for Speech Synthesis by Rule of Korean II: An experiment on speech rhythm in Korean*, A

Study of the Development of Text-to-Speech Conversion Technique for Communication Processing, Electronics & Telecommunications Research Institute.

Zima, P. (1959) O otázce klasifikace mluvního tempa. In *Slovo a slovesnost*, **20**, 96ff.

Zimmerman, S. A. & Sapon, S. M. (1958) Note on vowel duration seen crosslinguistically, *Journal of the Acoustical Society of America*, **30**, 152-153.

Zlatin, M. A. (1974) voicing contrast: Perceptual and productive VOT characteristics of adults, *Journal of the Acoustical Society of America*, **56**, 981-994.

Zlatoustova, L. V. (1975) Rhythmic Structure Types in Russian Speech, In *Auditory Analysis and Perception of Speech*, Fant, G. & Tatham, M. A. A. (eds.), Academic Press, 477-483.