

LING 692
spring 2020
day/time: m 4:30-7:10
place: innovation 137

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office hours: m: 2-4; w: 12-1:30
and by appointment

Phonology II: Exceptional Sound Systems

The aim of modern phonological theory is to reveal underlying principles that explain language sound structure in the world's languages. Research in phonological theory has traditionally limited the field of inquiry to normal adult language sources. In this course we will extend the domain of phonological theory to include more exceptional speech data -- data from language learners and from other atypical sources.

We will analyze phonological data from nine exceptional language sources: child first language acquisition, speech disorders, adult second language acquisition, pidgin and creole languages, aphasic speech, slips of the tongue, language games, speaking in tongues, and weird text language, like alien language from science fiction. These types of speech behaviors are not willy-nilly sound productions, rather they all appear to abide by the same underlying principles that normal languages do.

Prerequisite: LING 690

Text: electronically available on Blackboard (see required reading list)

Course Learning Outcomes

By the end of this course students will be able to:

1. Demonstrate a thorough theoretical understanding of modern advance phonological theory.
2. Demonstrate the ability to use this knowledge to analyze and explain exceptional behaviors in speech.
3. Be able to formulate a focused research question dealing with exceptional human speech behavior
4. Demonstrate the ability to do research to provide an answer to your question.
5. Write a suitable research paper dealing with this question.

Requirements:

1. I expect everyone to be prepared to discuss all of the assigned readings.
 - a. Before each class a clarification question or a substantive comment must be submitted for each reading via blackboard. Students are encouraged to comment upon other's submissions, but the instructor will not add comments.
2. There will be homework assignments. Students are encouraged to try out new hypotheses and to work together on these assignments, but each student will ultimately turn in original work.
All homeworks must be typed. Late homeworks are not accepted.
3. Each student will do a short research paper. (students can also work in pairs, if they wish) The project can be theoretical and/or empirical. For instance, you may choose to re-analyze some of the data from any of the assigned studies and formulate your own theory, or you may wish to test a phonological hypothesis by gathering data from some other exceptional source. The project must develop an intersection of phonological theory with exceptional language behavior. Final papers should be approximately 5000 words in length (~20 pages, double spaced). You will develop your project in steps:

- a. A 1-page paper proposal will be required from each student. The proposal should be a concise, original, focused research topic on any issue derived from the readings or from class discussions. You are encouraged to look ahead in the syllabus for research ideas. The proposal must include a tentative bibliography. Students may revise proposals and re-submit.
 - b. A first draft of 1 major heading from your paper is to be turned in.
 - c. Everyone will be required to present a short (under 15 minutes) preliminary report on the project to the class. It must be a powerpoint presentation.
- The proposal, draft, and one copy of the final paper is to be turned in electronically on Blackboard. If you will be using IPA symbols in these assignments, you must use the Doulos SIL IPA font.

If you are a student with a disability and you need academic accommodations, please see me and contact the Disability Resource Center (DRC) at 703.993.2474. All academic accommodations must be arranged through that office.

George Mason University has an Honor Code, which requires all members of this community to maintain the highest standards of academic honesty and integrity. Cheating, plagiarism, lying, and stealing are all prohibited. All violations of the Honor Code will be reported to the Honor Committee.

Students are responsible for verifying their enrollment in this class. Schedule adjustments should be made by the deadlines published in the Schedule of Classes. (Deadlines each semester are published in the Schedule of Classes available from the Registrar's Website registrar.gmu.edu.)

Last Day to Drop: 11 Feb

After the last day to drop a class, withdrawing from this class requires the approval of the dean and is only allowed for nonacademic reasons.

class due dates :

proposals due	on or before 30 march
first draft (section) due	on or before 13 april
presentations due	27 april, 4 may
final paper due:	11 may

homeworks	20%
participation	10%
Bb comments	10%
project proposal	10%
project draft	5%
presentation	5%
final paper	40%

COURSE OUTLINE

DATE		READING
	Part I: Phonological Theory	
27 january	Introduction and review Language segments and syllables	The IPA Charts Maddieson, 1986; Blevins, 1996
3 february	Sonority	Clements, 1982; Parker, 2012
10 february	The OCP	Gallagher & Graff, 2012; Pozdniakov & Segerer 2007.
	Part II: Phonological Development	
17 february	The initial State and Child syllables	Jusczyk, Smolensky, and Allocco, 2002; Levelt and van der Vijver, 2004
24 february	Child Phonological Disorders	Klopfenstein and Ball, 2010
2 march	Adult Second Language Phonology syllable structure	Carlisle, 1992; Broselow et.al., 1998
9 march	spring break	
16 march	Creole Phonology	Plag, 2009; Klein, 2011
	Part III: Phonological Corrosion	
23 march	Aphasic Phonology syllables and neologisms foreign accent syndrome	Stenneken, et.al., 2005 Laures-Gore et.al., 2006
30 march	Speech Error Phonology	Wells-Jensen, 2007
	Part IV: Phonological Innovation	
6 april	Constructed Phonologies	Weinberger, ms.
13 april	Glossolalia	Motley 1981; Goodman, 1972 (ch. 1, 4)
20 april	Phonological Games	Moreton, et. al (to appear);

- 27 april** residual issues
class presentations I
- 4 may** **class presentations II**
- 11 may** **papers due** (by 5:00 pm on Bb)

Required Readings (electronic readings)

- Blevins, J. (1996). The Syllable in Phonological Theory. In J. Goldsmith (Ed.), *The Handbook of Phonological Theory*. Oxford: Blackwell.
- Broselow, E., Chen, S., and Wang, C. (1998). The Emergence of the Unmarked in Second Language Phonology. *Studies in Second Language Acquisition*, 20, 261-280.
- Carlisle, R. (1992). Environment and Markedness as Interacting Constraints on Vowel Epenthesis. In J. Leather and A. James (Eds.), *NewSounds 92*, University of Amsterdam.
- Clements, G. (1992). The Sonority Cycle and Syllable Organization. In W. Dressler, H. Luschutzky, O. Pfeiffer, and J. Rennison (eds.) *Phonologica 1988*. Cambridge: Cambridge University Press.
- Gallagher, P., and Graff, P. (2012). The Role of Similarity in Phonology. *Lingua*, 122, 107-111.
- Goodman, F. (1972). *Speaking in Tongues*. Chicago: University of Chicago Press. (ch. 1, 4).
- Jusczyk, P., Smolensky, P., and Allocco, T. (2002). How English-Learning Infants Respond to Markedness and Faithfulness Constraints. *Language Acquisition*, 10, 31-73.
- Klein, T. (2011). Typology of Creole Phonology. *Journal of Pidgin and Creole Languages*, 26,1, 155-193.
- Klopfenstein, M., & Ball, M. (2010). An analysis of the sonority hypothesis and cluster realization in a child with phonological disorder, *Clinical Linguistics & Phonetics*, 24, 4-5, 261-270.
- Laures-Gore, J., Henson, J., Weismer, G., and Rambow M. (2006). Two Cases of Foreign Accent Syndrome: An Acoustic-Phonetic Description. *Clinical Linguistics and Phonetics*, 20, 781-790.
- Levelt, C., and van der Vijver, R. (2004). Syllable types in cross-linguistic and developmental grammars. In R. Kager, J. Pater, W. Zonneveld, (eds.), *Fixing Priorities: Constraints in Phonological Acquisition*. Cambridge University Press.
- Maddieson, I. (1986). The size and structure of phonological inventories: Analysis of UPSID. In J. Ohala and J. Jaeger (Eds.), *Experimental Phonology*. Orlando: Academic Press.
- Moreton, E., Feng, G., and Smith, J. (to appear). Syllabification, Sonority, and Perception: New Evidence from a Language Game. In *Proceedings of CLS 41* (vol. 1).
- Motley, M. (1981). A Linguistic Analysis of Glossolalia: Evidence of Unique Psycholinguistic Processing. *Communication Quarterly*, 30, 18-27.
- Parker, S. (2012). Sonority Distance vs. Sonority Dispersion - a Typological Survey. In Parker, S. (Ed.), *The Sonority Controversy*. Berlin: de Gruyter Mouton.
- Plag, I. (2009). Creole Interlanguages. *Journal of Pidgin and Creole Languages* 24,1, 119-138.
- Pozdniakov, K., & Segerer, G. (2007). Similar Place Avoidance: A statistical universal. *Linguistic Typology*, 11, 307-348
- Stenneken, P., Bastiaanes, R., Huber, W., and Jacobs, A. (2005). Syllable Structure and Sonority in Language Inventory and Aphasic Neologisms. *Brain and Language* 95, 280-292.
- Weinberger, S. (2000). (ms.) Alien Phonology: Science or Fiction?
- Wells-Jensen, S. (2007). A Cross-Linguistic Speech Error Investigation of Functional

Complexity. *Journal of Psycholinguistic Research*. 336,107-157.

ADDITIONAL READINGS

External Evidence

- Churma, D. 1985. *Arguments from External Evidence in Phonology*. NY: Garland.
- Kenstowicz, M. and C. Kisseberth. 1979. *Generative Phonology*. NY: Academic Press.(Chapter 5)
- Oblor, L., and L. Menn. (eds.) 1982. *Exceptional Language and Linguistics*. NY: Academic Press.
- Ohala, J. 1986. Consumer's Guide to Evidence in Phonology. *Phonology Yearbook* 3: 3-26.
- Ohala, J., and J. Jaeger. 1986. *Experimental Phonology*. Orlando: Academic Press.
- Singh, R. 1988. In Defense of External Evidence. *Canadian Journal of Linguistics* 33: 329-343.

General Phonology

- Archangeli, D., and Langendoen, T. 1997. *Optimality Theory*. Oxford: Blackwell.
- Archangeli, D., and D. Pulleyblank. 1994. *Grounded Phonology*. Cambridge, MA: MIT Press.
- Aronoff, M., and R. Oehrle (eds.), *Language Sound Structure*. Cambridge, MA: MIT Press.
- Borowsky, T. 1987. Antigemination in English Phonology. *Linguistic Inquiry* 18: 671-678.
- Boersma, P. 1998. Ch 18 of *Functional Phonology. Formalizing the interactions between articulatory and perceptual drives* [LOT International Series 11]. Doctoral thesis, University of Amsterdam. The Hague: Holland Academic Graphics.
- Calabrese, A. 1995. A Constraint-Based Theory of Phonological Markedness and Simplification Procedures. *Linguistic Inquiry* 26: 373-464.
- Carr, P. 1993. *Phonology*. New York: St. Martins.
- Clements, G. and S. Keyser. 1983. *CV Phonology*. Cambridge MA: MIT Press.
- Connell, B., and Arvaniti, A. 1995. *Phonology and Phonetic Evidence*. Cambridge: Cambridge University Press.
- Goldsmith, J. 1996. *The Handbook of Phonological Theory*. Oxford: Blackwell.
- Hulst, H. van der and N. Smith (eds.). 1985. *Advances in Non-linear Phonology*. Dordrecht: Foris.
- Hulst, H. van der and N. Smith (eds.). 1982. *The Structure of Phonological Representations*, Vol. I and II. Dordrecht: Foris.
- Kawasaki-Fukumori, Haruko. 1992. An Acoustical Basis for Universal Phonotactic Constraints. *Language and Speech* 35: 73-86.
- Kaye, J. 1989. *Phonology: a Cognitive View*. Hillsdale, NJ: Lawrence Erlbaum.
- Kenstowicz, M. 1994. *Phonology in Generative Grammar*. Cambridge, MA: Blackwell.
- Lombardi, L. (ed.) 2001. *Segmental Phonology in Optimality Theory : Constraints and Representations*. Cambridge: Cambridge University Press.
- McCarthy, J. 1986. OCP Effects: Gemination and Antigemination. *Linguistic Inquiry* 17: 207-263.
- McCarthy, J. 2002. *A Thematic Guide to Optimality Theory*. Cambridge: Cambridge University Press.
- Odden, D. 1986. On The Role of the Obligatory Contour Principle in Phonological Theory. *Language* 62:353-383.
- Paradis, C., and J-F. Prunet (eds.). 1991. *Phonetics and Phonology: The Special Status of Coronals*. San Diego: Academic Press.

Segments/Sounds

- Hinton, L., Nichols, J., and Ohala, J. (eds) 1994. *Sound Symbolism*. Cambridge: Cambridge University Press.
- Ladefoged, P, and Everett, D. 1996. The Status of Phonetic Rarities. *Language*. 72: 794-800.
- Ladefoged, P, and Maddiesson, I. 1996. *The Sounds of the World's Languages*. Cambridge: Blackwell.
- Lindblom, B. 1990. On the notion of "possible speech sound". *Journal of Phonetics* 18: 135-152.
- Maddiesson, I. 1984. *Patterns of Sounds*. Cambridge: Cambridge University Press.
- Newman, F. 2004. *Mouth Sounds*. NY: Workman.
- Taylor, K. 2006. *Ka-Boom: A Dictionary of Comic Book Words, Symbols, and Onomatopoeia*. Surrey: Mora.
- Walker, R. and Pullum, G. 1999. Possible and Impossible Segments. *Language*. 75: 764-780.

Syllables

- Duanmu, S. 2009. *Syllable Structure: The Limits of Variation*. New York: Oxford.
- Redford, M., Chen, C.C., and Miikkulainen, R. 2001. Constrained Emergence of Universals and Variation in Syllable Systems. *Language and Speech* 44: 27-56.

Feature Geometry

- Clements, G. 1985. The Geometry of Phonological Features. *Phonology Yearbook* 2.
- Clements, G. and E. Hume. 1996. The Internal Organization of Speech Sounds. In J. Goldsmith (ed) *The Handbook of Phonological Theory*. Oxford: Blackwell.
- Odden, D. 1991. Vowel Geometry. *Phonology* 8: 261-289.
- Sagey, E. 1990. *The Representation of Features in Non-Linear Phonology*. New York: Garland.
- Yip, M. 1989. Feature Geometry and Cooccurrence Restrictions. *Phonology* 6:349-374.

Underspecification Theory

- Abaglo, P. , and D. Archangeli. 1989. Language-Particular Underspecification: Gengbe /e/ and Yoruba /i/. *Linguistic Inquiry* 20: 457-480.
- Archangeli, D. 1988. Aspects of Underspecification Theory. *Phonology* 5:183-207.
- Halle, M. 1995. Feature Geometry and Feature Spreading. *Linguistic Inquiry* 26: 1- 46.
- Mohanan, K.P. 1991. On the Bases of Radical Underspecification. *Natural Language and Linguistic Theory* 9:285-325.
- Pulleyblank, D. 1988. Vocalic Underspecification in Yoruba. *Linguistic Inquiry* 19: 233-270.
- Steriade, D. 1996. Underspecification and Markedness. In J. Goldsmith (ed) *The Handbook of Phonological Theory*. Oxford: Blackwell.
- Yip, M. 1991. Coronals, Consonant Clusters, and the Coda Condition. In C. Paradis and J-F Prunet, (eds.), *Phonetics and Phonology 2: The Special Status of Coronals*. San Diego: Academic Press.

Phonological development

- Archibald, J. (ed.). *Phonological Acquisition and Phonological Theory*. Hillsdale, NJ: Erlbaum.
- Eckman, F. 1993. *Confluence: Linguistics, L2 Acquisition, Speech Pathology*. Amsterdam: John Benjamins.
- Ferguson, C., L. Menn, and C. Stoel-Gammon (eds.). 1992. *Phonological Development*. Timonium: York Press.
- Fletcher, P. and M. Garman. (eds.) 1986. *Language Acquisition*. Cambridge: Cambridge University Press.
- Ingram, D. 1989. *First Language Acquisition*. Cambridge: Cambridge University Press.

- Jusczyk, P., Smolensky, P., and Alallocco, T. 2002. How English-Learning Infants Respond to Markedness and Faithfulness Constraints. *Language Acquisition* 10:31-73.
- Stoel-Gammon, C. and J. Stemberger. 1994. Consonant Harmony and Underspecification in Child Speech. In M. Yavas (ed.). 1994. *First and Second Language Phonology*. San Diego: Singular.
- Strange, W. (ed). 1995. *Speech Perception and Linguistic Experience: Issues in Cross-Language Research*. Baltimore: York.
- Vihman, M. 1992. Early Syllables and the Construction of Phonology. In C. Ferguson, L. Menn, and C. Stoel-Gammon (eds.). 1992. *Phonological Development*. Timonium: York Press.
- Yavas, M. (ed.). 1994. *First and Second Language Phonology*. San Diego: Singular.
- Yeni-Komshian, G., J. Kavanagh, and C. Ferguson. (eds.) 1980. *Child Phonology* vol. 1-2. NY: Academic Press.

Phonological Disorders in Children

- Costello, J. (ed) 1984. *Speech Disorders in Children*. San Diego: College-Hill.
- Ingram, D. 1989. *Phonological Disability in Children*. London: Cole and Whurr.
- Ratner, N. 1989. Atypical Language Development, in J. Berko-Gleason, ed., *The Development of Language*. Columbus: Merrill.
- Yavas, M. (ed) *Phonological Disorders in Children*. London: Routledge.

ASL Phonology

- Corina, D. and Sandler, W. 1993. On the Nature of Phonological Structure in Sign Language. *Phonology* 10: 165-208.
- Coulter, G. (ed.) 1993. *Phonetics and Phonology: Current Issues in ASL Phonology*. San Diego: Academic Press.
- Sandler, W. 1993. A Sonority Cycle in American Sign Language. *Phonology* 10: 243- 280.

Creole Phonology

- Amastae, J. 1979. Dominican English Creole Phonology. *Anthropological Linguistics* 21: 182-204.
- Bickerton, D. 1981. *Roots of Language*. Ann Arbor: Karoma.
- Holm, J. 1988. *Pidgins and Creoles*. volume I. Cambridge: Cambridge University Press. (ch. 1, 4)
- Lipski, J. 1992. Spontaneous Nasalization in the Development of Afro-Hispanic Language. *Journal of Pidgin and Creole Languages* 7: 261-305.
- Plag, I. and Uffman, C. 1999. Phonological Restructuring in Creole: The Development of Paragoge in Sranan. (ms). [also published in: I. Neumann-Holzschuh, and E. Schneider (eds.) 2001. *Degrees of Restructuring in Creole Languages*. John Benjamins.
- Thomason, S. and T. Kaufman. 1991. Language Contact, Creolization, and Genetic Linguistics. Berkeley: University of CA Press.
- Tinelli, H. 1981. *Creole Phonology*. The Hague: Mouton.
- Todd, L. 1990. *Pidgins and Creoles*. London: Routledge.
- Usher, M. 1979. Some Features of Jamaican Phonology I. *The USF Language Quarterly* 17: 54-57.
- Usher, M. 1979. Some Features of Jamaican Phonology II. *The USF Language Quarterly* 18: 12-15, 42.

L2 Phonology

- Benson, B. 1988. Universal Preference for the Open Syllable as an Independent Process in Interlanguage Phonology. *Language Learning* 38:221-242.

- Bhatt, B. and Bhatt, R. 1997. Optimal L2 Syllables: Interactions of Transfer and Developmental Effects. *Studies in Second Language Acquisition* 19: 331-378.
- Broselow, E. 1988. Prosodic Phonology and the Acquisition of a Second Language. In S. Flynn and W. O'Neil (eds.), *Linguistic Theory in Second Language Acquisition*. Kluwer.
- Broselow, E., Chen, S., and Wang, C. 1998. The Emergence of the Unmarked in Second Language Phonology. *Studies in Second Language Acquisition* 20: 261-280.
- Cichocki, W., A. House, A. Kinloch, and A. Lister. 1993. Cantonese Speakers and the Acquisition of French Consonants. *Language Learning* 43: 43-68.
- Eckman, F. 1987. The Reduction of Word-final Consonant Clusters in Interlanguage. In A. James and J. Leather (eds.), *Sound Patterns in Second Language Acquisition*. Dordrecht: Foris.
- Eckman, F. and G. Iverson. 1993. Sonority and Markedness among Onset Clusters in the Interlanguage of ESL Learners. *Second Language Research* 9: 234-252.
- Edge, B. 1991. The Production of Word-Final Voiced Obstruents in English by L1 Speakers of Japanese and Cantonese. *Studies in Second Language Acquisition* 13:377-393.
- loup, G., and S. Weinberger (eds.). 1987. *Interlanguage Phonology*. Cambridge, MA: Newbury House.
- James, A., and J. Leather (eds.). 1987. *Sound Patterns in Second Language Acquisition*. Dordrecht: Foris.
- James, A. and J. Leather. (eds.). 1997. *Second Language Speech*. Berlin: Mouton.
- Leather, J. and Allan James. 1991. The Acquisition of Second Language Speech. *Studies in Second Language Acquisition* 13: 305-341.
- Tropf, H. 1986. Sonority as a Variability Factor in Second Language Phonology. In A. James and J. Leather (eds.), *Sound Patterns in Second Language Acquisition*. Dordrecht: Foris.

Pathological Phonology

- Barlow, J. And Dinnsen, D. 1998. Asymmetrical Cluster Dvelopment in a Disordered System. *Language Acquisition* 7: 1-49.
- Baum, S. 2002. Sensitivity to Sub-Syllabic Constituents in Brain-Damaged Patients: Evidence from Word Games. *Brain and Language* 83: 237-248.
- Blumstein, S. 1988. Neurolinguistics: An Overview of Language-Brain Relations in Aphasia. In F. Newmeyer (ed.), *Linguistics: The Cambridge Survey* vol. III. Cambridge: Cambridge University Press.
- Blumstein, S., M. Alexander, J. Ryalls, W. Katz, and B. Dworetzky. 1987. On the Nature of the Foreign Accent Syndrome: A Case Study. *Brain and Language* 31: 215-244.
- Buckingham, H. 1980. On Correlating Aphasic Errors with Slips of the Tongue. *Applied Psycholinguistics* 1: 199-220.
- Caplan, D. 1987. *Neurolinguistics and Linguistic Aphasiology*. Cambridge: Cambridge University Press.
- Chin and Pisoni. 1997. *Alcohol and Speech*. San Diego: Academic Press.
- Eckman, F. (ed) 1993. *Confluence: Linguistics, L2 Acquisition, and Speech Pathology*. Amsterdam: John Benjamins.
- Graff-Radford, N. 1986. An Unlearned Foreign Accent in a Patient with Aphasia. *Brain and Language* 28: 86-94.
- Hanlon, R. and J. Edmondson. 1996. Disconnected Phonology: A Linguistic Analysis of Phonemic Jargon Aphasia. *Brain and Language* 55: 199-212.
- Jakobson, R. 1968. *Child Language Aphasia and Phonological Disorders*. The Hague: Mouton.
- Kurowski, K., S. Blumstein, and M. Alexander. 1996. *Brain and Language* 54; 1-25.

- Lester, L. and R. Skousen. 1974. The Phonology of Drunkenness. In A. Bruck, R. Fox, and M. La Galy (eds.). *Papers from the Parasession on Natural Phonology*. Chicago: Chicago Linguistic Society.
- Nespoulous, J-L, and P. Villiard (eds). 1990. *Morphology, Phonology, and Aphasia*. New York: Springer-Verlag.
- Reeves, R., and J. Norton. 2001. Foreign Accent-Like Syndrome During Psychotic Exacerbations. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology* 14: 135-138
- Robson, J., Pring, T., and Chiat, S. 2003. Phoneme Frequency Effects in Jargon Aphasia: A Phonological Investigation of NonWord Errors. *Brain and Language* 85: 109-124.
- Valdois, S. 1990. Internal Structure of Two Consonant Clusters. In J-L Nespoulous and P. Villiard (eds). *Morphology, Phonology, and Aphasia*. New York: Springer-Verlag.

Slips of the Tongue

- Berg, T. 1987. *A Cross-Linguistic Comparison of Slips of the Tongue*. Bloomington: Indiana University Linguistics Club.
- Cutler, A. 1988. The Perfect Speech Error. In L. Hyman and C. Li (eds.), *Language, Speech, and Mind*. NY: Routledge.
- Erard, M. 2007. *Um: Slips, Stumbles, and Verbal Blunders, and What They Mean*. NY: Pantheon.
- Fromkin, V. (ed). 1973. *Speech Errors as Linguistic Evidence*. The Hague: Mouton.
- Fromkin, V. (ed). 1980. *Errors in Linguistic Performance*. NY: Academic Press.
- Fromkin, V. 1988. Grammatical Aspects of Speech Errors. In F. Newmeyer (ed.), *Linguistics: The Cambridge Survey* vol. II. Cambridge: Cambridge University Press.
- Jaeger, J. 1992. Not by the Chair of my Hinny Hin Hin: Some General Properties of Slips of the Tongue by Young Children. *Journal of Child Language* 19: 335-366.

Play Languages

- Bagemihl, B. 1988 The Morphology and Phonology of Katajjait (Inuit Throat Games). *The Canadian Journal of Linguistics* 33, 1-58.
- Bagemihl, B. 1996. Language Games and Related Areas. In J. Goldsmith (ed), *The Handbook of Phonological Theory*. Oxford: Blackwell.
- Bao, Z. 1990. Fanqie Languages and Reduplication. *Linguistic Inquiry* 27.3: 307-350.
- Barkovits, R. 1970 Secret Languages of School Children. *New York Folklore Quarterly* 26:127-152.
- Cowan, N. 1989. Acquisition of Pig Latin: A Case Study. *Journal of Child Language* 16: 365-386.
- Cowan, N, and L. Leavitt 1982 Talking Backward: Exceptional Speech Play in Late Childhood. *Journal of Child Language* 9: 481-95.
- Hammond, M. 1990. The Name Game and Onset Simplification. *Phonology* 7: 159-162.
- Davis, S. and Hammond, M. 1995. On the Status of Onglides in American English. *Phonology* 12: 159-182.
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Weinberger, S. and N. Lefkowitz. 1992. Uncovering French Syllable Structure with Verlan. In Laugefer, C. (ed.) *Theoretical Analyses in Romance Linguistics*. Philadelphia: John Benjamins. pp. 37-53.

Glossolalia

- Bryant, E. and D. O'Connell. 1971. A Phonemic Analysis of Nine Samples of Glossolalic Speech. *Psychonomic Science* 22: 81-83.
- Goodman, F. 1969. Phonetic Analysis of Glossolalia in Four Cultural Settings. *Journal for the Scientific Study of Religion* 8: 227-239.
- Meer, J. 1986. Speaking in Tongues: Inspiration or Imitation? *Psychology Today* 20 (June) p. 16.
- Osser, H., P. Ostwald, B. MacWhinney, and R. Casey. 1973. Glossolalic Speech from a Psycholinguistic Perspective. *Journal of Psycholinguistic Research* 2: 9-19.
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- Sims, P. 1996. *Can Somebody Shout Amen!* University of Kentucky Press.
- Womack, S. 1982. From Coprolalia to Glossolalia: Structural Similarities Between Gilles de la Tourette Syndrome and Speaking in Tongues. *The Journal of Mind and Behavior* 3. 1: 75-88.

Constructed Phonologies

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- Burt, B. 2001. *Star Wars Galactic Phrase Book and Travel Guide*. New York: Del Ray.
- Conley, T. and Cain, S. 2006. *Encyclopedia of Fictional and Fantastic Languages*. Westport: Greenwood Press.
- Elgin, Suzette Haden. 1984. *Native Tongue*. NY: DAW.
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- Hockett, Charles. 1955. *How to Learn Martian*. *Astounding* May: 97-106.
- Krueger, J. 1968. Language and Techniques of Communication as Theme or Tool in Science Fiction. *Linguistics* 39: 68-86.
- Libert, A. 2000. *A Priori Artificial Languages*. Muenchen: Lincom Europa.
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- Oswalt, R. 1994. Inanimate Imitatives in English. In Hinton, L., Nichols, J., and Ohala, J. (Eds.). *Sound Symbolism*. Cambridge: Cambridge University Press.
- Versteegh, K. 1993. Esperanto as a First Language. *Linguistics* 31: 539-555.
- Yaguello, M. 1991. *Lunatic Lovers of Language: Imaginary Languages and their Inventors*. Rutherford: Fairleigh Dickinson University Press.