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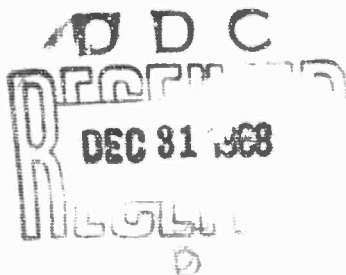
A SELECTED PSYCHOLINGUISTIC BIBLIOGRAPHY

Bruce Fraser
Mary M. Klatt

Scientific Report No. 9
Contract No. F19628-68-C-0125
Project No. 8668
Contract Monitor: Hans H. Zschirnt, Data Sciences Laboratory

Prepared for:

AIR FORCE CAMBRIDGE RESEARCH LABORATORIES
Office of Aerospace Research
United States Air Force
Bedford, Massachusetts 01730



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BOLT BERANEK AND NEWMAN INC
50 Moulton Street
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PREFACE

The compilation of this bibliography was born from the frustration in locating relevant references in the organization and teaching of a graduate course in psycholinguistics during the 1967-68 academic year. To alleviate this lack of collected references, we have attempted in this document to provide a representative, un-dogmatic, and fairly thorough coverage of selected areas of the psycholinguistic literature which are not adequately covered in existing bibliographies. Because of our view that psycholinguistics consists of the study of the acquisition, production and understanding of a natural language, we have deliberately excluded from consideration any literature in areas such as language and culture, phonetic symbolism, paired association testing, concept formation, anthropological linguistics, and speech pathology. This is not to deny the importance of any of these but to indicate that they appear to us to lie well on the periphery of the field of psycholinguistics. We have, however, included short sections on animal communication and language disorder, mostly because the material was interesting to us. Since there are a number of good and reasonably current bibliographies in the area of syntax and phonology, we have omitted these references and have cited the reviews in Sec. I. Moreover, a forthcoming very complete and up-to-date bibliography by Daniel I. Slobin on child language acquisition has permitted us to leave this area less complete than we ordinarily would have done. Each citation occurs only once in this bibliography, and in each case we have attempted to place it in the most obvious section even though two or more sections might be applicable.

At the top of each page appears an abbreviated section title (e.g., Anthologies, Bibliographies, Surveys; Psychology, Psycholinguistics;

Speech Analysis; Semantics; etc.). We believe that this referencing system will facilitate access to the subject bibliographies.

We would like to acknowledge the kind assistance given us by Kenneth N. Stevens and Merrill Garrett in editing earlier versions of this bibliography. The final decision for inclusion rests solely with the authors.

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SECTION I: ANTHOLOGIES, BIBLIOGRAPHIES, AND SURVEYS OF
THE LITERATURE

- Belasco, S., P. Delattre, and A. Valdman (1966). "Bibliography: Phonetics." *American Speech*, 41, pp. 225-234.
- Bever, T. and W. Weksel (eds.) (in press). *The Structure and Psychology of Language*. New York: Holt, Rinehart and Winston.
- Bright, W. (ed.) (1966). *Sociolinguistics*. The Hague: Mouton & Co.
- Busnel, R.-G. (ed.) (1963). *Acoustic Behavior of Animals*. Amsterdam: Elsevier.
- Cofer, C.N. (ed.) (1961). *Verbal Learning and Verbal Behavior*. New York: McGraw-Hill.
- Cofer, C.N. and B. Musgrave (eds.) (1963). *Verbal Behavior and Learning: Problems and Processes*. New York: McGraw-Hill.
- 1967 Conference on Speech Communication and Processing, 6-8 November. Sponsored by Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, Bedford, Mass., and IEEE Audio and Electroacoustics Group. Selected papers published in *IEEE Transactions on Audio and Electroacoustics*, Part 1, AU-16 (Mar. 1968); Part 2, AU-16 (June 1968).
- Diebold, A.R., Jr. (1965). "A Survey of Psycholinguistic Research, 1954-1964." In C.E. Osgood and T.A. Sebeok (eds.), *Psycholinguistics: A Survey of Theory and Research Problems*, pp. 205-291. Bloomington: Indiana University Press.
- Dingwall, W.O. (1965). *Generative Transformational Grammar: A Bibliography*. Washington, D.C.: Center for Applied Linguistics.
- Dixon, T.R., and D.L. Horton (eds.) (1968). *Verbal Behavior and General Behavior Theory*. Englewood Cliffs, N.J.: Prentice-Hall.
- Ervin-Tripp, S.M., and D.I. Slobin (1966). "Psycholinguistics." *Annual Review of Psychology*, 17, pp. 435-474.

ANTHOLOGIES
BIBLIOGRAPHIES
SURVEYS

Bolt Beranek and Newman Inc

- Feigenbaum, E.A., and J. Feldman (eds.) (1963). *Computers and Thought*. New York: McGraw-Hill.
- Fodor, J.A., and J.J. Katz (eds.) (1964). *The Structure of Language: Readings in the Philosophy of Language*. Englewood Cliffs, N.J.: Prentice-Hall.
- Garvin, P.L. (1965). "An Informal Survey of Modern Linguistics." In *A Syntactic Analyzer Study*, Final Report, July. Canoga Park, Calif.: The Bunker-Ramo Corporation.
- Greenberg, J.H. (1963). *Universals of Language*. Cambridge, Mass.: The MIT Press.
- Hays, D.G. (1965). *An Annotated Bibliography of Publications on Dependency Theory*, Report No. RM-4473-PR, March. Santa Monica, Calif.: The RAND Corporation.
- Hays, D.G. (1966). *Computational Linguistics: Bibliography, 1964, 1965, 1966*. Santa Monica, Calif.: The RAND Corporation.
- Jakobovits, L.A., and M.S. Miron (eds.) (1967). *Readings in the Psychology of Language*. Englewood Cliffs, N.J.: Prentice-Hall.
- de Reuck, A.V.S., and M. O'Connor (eds.) (1964). *Ciba Foundation Symposium: Disorders of Language*. Boston: Little, Brown & Co.

SECTION II: PHILOSOPHY OF LANGUAGE, GENERAL LANGUAGE,
AND LINGUISTICS

Alston, W.P. (1964). *Philosophy of Language*. Englewood Cliffs, N.J.: Prentice-Hall.

Austin, J.L. (1962). *How to Do Things with Words*. Cambridge, Mass: Harvard University Press (paperback edition, 1965).

Bach, E. (1964). *An Introduction to Transformational Grammars*. New York: Holt, Rinehart and Winston.

Bar-Hillel, Y.A. (1953). "A Quasiarithmetical Notation for Syntactic Description." *Language*, 29, pp. 47-58.

Bar-Hillel, Y.A. (1966). "On a Misapprehension of the Status of Theories in Linguistics." *Foundations of Language*, 2, pp. 394-399.

Bar-Hillel, Y.A. (1967). "Dictionaries and Meaning Rules." *Foundations of Language*, 3, pp. 409-414.

Bever, T.G., J.A. Fodor, and W. Wexsel (1965). "Is Linguistics Empirical?" *Psychological Review*, 72, pp. 493-500.

Black, M. (1949). *Language and Philosophy, Studies in Method*. Ithaca, N.Y.: Cornell University Press.

Bloomfield, L. (1933). *Language*. New York: Holt, Rinehart and Winston.

Bolinger, D.L. (1957). "Intonation and Grammar." *Language Learning*, 8, pp. 31-38.

Bolinger, D.L. (1958). "A Theory of Pitch Accent in English." *Word*, 14, pp. 109-149.

Brown, R. (1958). *Words and Things*. Glencoe, Ill.: The Free Press.

Brown, R., and E.H. Lenneberg (1954). "A Study in Language and Cognition." *Journal of Abnormal and Social Psychology*, 49, pp. 454-462.

PHILOSOPHY OF LANGUAGE,
GENERAL LANGUAGE,
AND LINGUISTICS

Bolt Beranek and Newman Inc

- Brown, R., and D. McNeill (1966). "The 'Tip of the Tongue' Phenomenon." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 325-337.
- Carmony, M D. (1966). "Surface and Deep Phonology." *Journal of Linguistics*, 2, p. 208.
- Carroll, J.B. (1953). *The Study of Language*. Cambridge, Mass.: Harvard University Press.
- Carroll, J.B. (1961). *Language and Thought*. Englewood Cliffs, N.J.: Prentice-Hall.
- Carroll, J.B. (1964). "Linguistics and the Psychology of Language." *Harvard Educational Review*, 34, pp. 119-126.
- Caton, C.E. (ed.) (1963). *Philosophy and Ordinary Language*. Urbana, Ill.: University of Illinois Press.
- Chappell, V.C. (1964). *Ordinary Language*. Englewood Cliffs, N.J.: Prentice-Hall.
- Cherry, C. (1957). *On Human Communication*. Cambridge, Mass.: The MIT Press.
- Chomsky, N. (1957). *Syntactic Structures*. The Hague: Mouton & Co.
- Chomsky, N. (1959). "Review of *Verbal Behavior* by B.F. Skinner." *Language*, 35, pp. 26-58. Reprinted in J.A. Fodor and J.J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1964.
- Chomsky, N. (1961). "Some Methodological Remarks on Generative Grammar." *Word*, 17, pp. 219-239. Reprinted in H.B. Allen (ed.), *Readings in Applied English Linguistics*. New York: Appleton, 1964.
- Chomsky, N. (1963). "Formal Properties of Grammars." In R.D. Luce, R.R. Bush, and E. Galanter (eds.), *Handbook of Mathematical Psychology*, Vol. 2, pp. 323-418. New York: Wiley.
- Chomsky, N. (1964). "Current Issues in Linguistic Theory." In J.A. Fodor and J.J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*. Englewood Cliffs, N.J.: Prentice-Hall.

- Chomsky, N. (1965). *Aspects of the Theory of Syntax*. Cambridge, Mass.: The MIT Press.
- Chomsky, N. (1966). *Cartesian Linguistics*. New York: Harper and Row.
- Chomsky, N. (1967). "Methodological Preliminaries." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 85-103. Englewood Cliffs, N.J.: Prentice-Hall.
- Chomsky, N., and M. Halle (1965). "Some Controversial Questions in Phonological Theory." *Journal of Linguistics*, 1, pp. 97-138.
- Chomsky, N., and M. Halle (1968). *The Sound Pattern of English*. New York: Harper and Row.
- Chomsky, N., M. Halle, and F. Lukoff (1956). "On Accent and Juncture in English." In M. Halle (ed.), *For Roman Jakobson*, pp. 65-80. The Hague: Mouton & Co.
- Chomsky, N., and G.A. Miller (1958). "Finite State Languages." *Information and Control*, 1, pp. 91-112.
- Chomsky, N., and G.A. Miller (1963). "Introduction to the Formal Analysis of Natural Languages." In R.D. Luce, R.R. Bush, and E. Galanter (eds.), *Handbook of Mathematical Psychology*, Vol. 2, pp. 269-321. New York: Wiley.
- Delattre, P., F.S. Cooper, and A.M. Liberman (1952). "Some Suggestions for Language Teaching Methods Arising from Research on the Acoustic Analysis and Synthesis of Speech." *Third Annual Round Table Meeting on Linguistics and Language Teaching*, Monograph No. 2, pp. 31-47. Washington, D.C.: Georgetown University.
- Denes, P.B. (1963). "On the Statistics of Spoken English." *The Journal of the Acoustical Society of America*, 35, pp. 892-904.
- Dreyfus, H.L. (1965). *Alchemy and Artificial Intelligence*. RAND Report, p. 3244. Santa Monica, Calif.: The RAND Corporation.
- Fant, C.G.M. (1960). *Acoustic Theory of Speech Production*. 's-Gravenhage: Mouton & Co.

- Fillmore, C.J. (1965). "On the Notion of 'Equivalent Sentence Structure'." In W. S-Y. Wang (principal Investigator), *Project on Linguistic Analysis*, RF Project 1685-4, Report No. 11, June, pp. 118-128. Columbus: The Ohio State University Research Foundation.
- Fischer-Jørgensen, E. (1958). "What Can the New Techniques of Acoustic Phonetics Contribute to Linguistics?" In E. Sivertsen (ed.), *Proceedings of the VIII International Congress of Linguists*, pp. 433-478. Oslo, Norway: Oslo University Press. Reprinted in S. Saporta (ed.), *Psycholinguistics: A Book of Readings*. New York: Holt, Rinehart and Winston, 1961.
- Fishman, J.A. (1960). "A Systematization of the Whorfian Hypothesis." *Behavioral Science*, 4, pp. 323-339.
- Flanagan, J.L. (1964). *Speech Analysis, Synthesis, and Perception*. New York: Academic Press.
- Fodor, J.A. (1964). "A Review of *Symbol Formation: An Organismic-Developmental Approach to Language and the Expression of Thought*, by H. Werner and B. Kaplan." *Language*, 40, pp. 566-578.
- Fodor, J.A., and J. Katz (1962). "What's Wrong with the Philosophy of Language?" *Inquiry*, 5, pp. 197-237.
- Forguson, L.W. (1966). "In Pursuit of Performatives." *Philosophy*, 41, pp. 341-347.
- Fraser, B. (1967) (unpublished paper). "On the Notion of Derived Constituent Structure."
- Gaifman, H. (1965). "Dependency Systems and Phrase-Structure Systems." *Information and Control*, 8, pp. 304-337.
- Gleason, H.A. (1961). *An Introduction to Descriptive Linguistics*. New York: Holt, Rinehart and Winston.
- Greenberg, J.H. (1963). "Some Universals of Grammar with Particular Reference to the Order of Meaningful Elements." In J.H. Greenberg (ed.), *Universals of Language*, pp. 58-90. Cambridge, Mass.: The MIT Press.
- Gumpers, J.J., and D. Hymes (1964). "The Ethnography of Communication." *American Anthropologist*, 66, No. 6, Part 2.

- Halle, M. (1957). "In Defense of the Number Two." In E. Pulgram (ed.), *Studies Presented to J. Whatmough*, pp. 65-72. The Hague: Mouton & Co.
- Halle, M. (1964). "On the Bases of Phonology." In J.A. Fodor and J.J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*, pp. 324-333. Englewood Cliffs, N.J.: Prentice-Hall.
- Halle, M. (1964). "Phonology in a Generative Grammar." In J.A. Fodor and J.J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*, pp. 334-354. Englewood Cliffs, N.J.: Prentice-Hall.
- Harman, G.H. (1963). "Generative Grammars Without Transformation Rules: A Defense of Phrase Structure." *Language*, 39, pp. 597-616.
- Harman, G.H. (1967). "Psychological Aspects of the Theory of Syntax." *Journal of Philosophy*, 64, pp. 75-87.
- Harris, Z.S. (1946). "From Morpheme to Utterance." *Language*, 22, pp. 161-183.
- Harris, Z.S. (1951). *Methods in Structural Linguistics*. Chicago: Chicago University Press.
- Harris, Z.S. (1952). "Discourse Analysis." *Language*, 28, pp. 1-30.
- Harris, Z.S. (1952). "Discourse Analysis: A Sample Text." *Language*, 28, pp. 474-494.
- Harris, Z.S. (1957). "Co-occurrence and Transformation in Linguistic Structure." *Language*, 33, pp. 283-340.
- Harris, Z.S. (1962). *String Analysis of Sentence-Structure*. The Hague: Mouton & Co.
- Harris, Z.S. (1965). "Transformational Theory." *Language*, 41, pp. 363-401.
- Herzberger, H.G. (1967). "The Truth-Conditional Consistency of Natural Language." *Journal of Philosophy*, 64, pp. 29-35.
- Hill, A. (1961). "Grammaticality." *Word*, 17, pp. 1-10.

- Hill, A.A. (1966). "Non-Grammatical Prerequisites." *Foundations of Language*, 2, pp. 319-337.
- Hiz, H. (1967). "Methodological Aspects of the Theory of Syntax." *Journal of Philosophy*, 64, pp. 67-74.
- Hockett, C.F. (1955). *A Manual of Phonology*. Baltimore, Md.: Waverly Press.
- Hockett, C.F. (1958). *A Course in Modern Linguistics*. New York: The Macmillan Company.
- Hockett, C.F. (1960). "The Origin of Speech." *Scientific American*, September, pp. 2-10.
- Hockett, C.F. (1963). "The Problem of Universals in Language." In J.H. Greenberg (ed.), *Universals of Language*, pp. 1-22. Cambridge, Mass.: The MIT Press.
- Householder, F.W. (1962). "Review of Lees', *The Grammar of English Nominalizations*." *Word*, 18, pp. 326-352.
- Householder, F.W. (1965). "On Some Recent Claims in Phonological Theory." *Journal of Linguistics*, 1, pp. 13-34.
- Humboldt, W. von (1836). *Über die Verschiedenheit des Menschlichen Sprachbaues*. Berlin. Facsimile edition, Bonn, 1960.
- Hymes, D.H. (1961). "Functions of Speech: An Evolutionary Approach." In F. Gruber (ed.), *Anthropology and Education*, pp. 55-83. Philadelphia: University of Pennsylvania Press.
- Hymes, D.H. (1962). "The Ethnography of Speaking." In T. Gladwin and W.C. Sturtevant (eds.), *Anthropology and Human Behavior*, pp. 13-53. Washington, D.C.: Anthropological Society of Washington.
- Hymes, D.H. (ed.) (1964). *Language in Culture and Society: A Reader in Linguistics and Anthropology*. New York: Harper and Row.
- Jakobson, R., and M. Halle (1956). *Fundamentals of Language*. 's-Gravenhage: Mouton & Co.
- Jakobson, R., C.G.M. Fant, and M. Halle (1963). *Preliminaries to Speech Analysis*. Cambridge, Mass.: The MIT Press.

- Jespersen, O. (1924). *The Philosophy of Grammar*. London: George Allen and Unwin.
- Jones, D. (1956). *An Outline of English Phonetics*. Eighth Edition. New York: E.P. Dutton.
- Kampf, L. (1967). "Review of 'Cartesian Linguistics: A Chapter in the History of Rationalist Thought', by N. Chomsky." *College English*, 28, pp. 403-408.
- Katz, J.J. (1966). *The Philosophy of Language*. New York: Harper and Row.
- Katz, J.J. (1967). "Mentalism in Linguistics." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 73-84. Englewood Cliffs, N.J.: Prentice-Hall.
- Katz, J.J. and J.A. Fodor (1963). "The Structure of a Semantic Theory." *Language*, 39, pp. 170-210.
- Katz, J.J. and P.M. Postal (1964). *An Integrated Theory of Linguistic Descriptions*. Cambridge, Mass.: The MIT Press.
- Klima, E. (1964). "Relatedness Between Grammatical Systems." *Language*, 40, pp. 1-20.
- Ladefoged, P. (1958). "Syllables and Stress." *Miscellanea Phonetica*, pp. 1-14.
- Ladefoged, P. (1967). "The Phonetic Bases of Phonological Contrast." *Working Papers in Phonetics*, 6, pp. 1-98.
- Lakoff, G. (1965). "On the Nature of Syntactic Irregularity," *Mathematical Linguistics and Automatic Translation*, Report No. NSF-16. Cambridge, Mass.: Harvard University.
- Lambek, J. (1958). "The Mathematics of Sentence Structure." *American Mathematical Monthly*, 65, pp. 154-169.
- Lees, R.B. (1957). "A Review of N. Chomsky's *Syntactic Structures*." *Language*, 33, pp. 375-408.
- Lees, R.B. (1960). "The Grammar of English Nominalizations." *International Journal of American Linguistics*, 26, pp. 205-220.
- Lees, R.B. (1964). "Models for a Language User's Knowledge of Grammatical Form." *Journal of Communications*, 14, pp. 74-85.

- Lees, R.B., and E.S. Klima (1963). "Rules for English Pronominalization." *Language*, 39, pp. 17-28.
- Lenneberg, E.H. (1960). "Language, Evolution, and Purposive Behavior." In S. Diamond (ed.), *Culture in History: Essays in Honor of Paul Radin*, pp. 869-893. New York: Columbia University Press. Extended and revised version in J.A. Fodor and J.J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1964.
- Lounsbury, F. (1963). "Linguistics and Psychology." In S. Koch (ed.), *Psychology: A Study of a Science*, Vol. 6, pp. 552-580. New York: McGraw-Hill.
- Lyons, J. (1966). "Towards a 'Notional' Theory of the 'Parts of Speech'." *Journal of Linguistics*, 2, pp. 209-236.
- Mehler, J., T. Bever, and P. Carey (1967). "What We Look At When We Read." *Perception and Psychophysics*, 2, pp. 213-218.
- Miller, G.A. (1951). *Language and Communication*. New York: McGraw-Hill.
- Miller, G.A., and N. Chomsky (1963). "Finitary Models of Language Users." In D.R. Luce, R.R. Bush, and E. Galanter (eds.), *Handbook of Mathematical Psychology*, Vol. 2, pp. 419-491. New York: Wiley.
- Morris, C.W. (1938). "Foundations of the Theory of Signs." *International Encyclopedia of Unified Science*, 1 (2). Chicago: University of Chicago Press.
- Nida, E.A. (1948). "The Analysis of Immediate Constituents." *Language*, 24, pp. 168-177.
- Nida, E.A. (1960). "A Synopsis of English Syntax." Norman: Summer Institute of Linguistics, University of Oklahoma.
- Perlmutter, D.M. (in preparation). *Deep and Surface Structure Constraints in Grammar*. Doctoral thesis, Massachusetts Institute of Technology.
- Peterson, G.E. (1953). "The Information-Bearing Elements of Speech." In W. Jackson (ed.), *Communication Theory*. New York: Academic Press.

- Pike, K.L. (1943). "Taxemes and Immediate Constituents." *Language*, 19, pp. 65-82.
- Pike, K.L. (1955). *Phonetics*. Fifth printing. Ann Arbor: University of Michigan Press.
- Postal, P.M. (1964). "Constituent Structure: A Study of Contemporary Models of Syntactic Description." *International Journal of American Linguistics*, 30. Monograph Supplement, Part III.
- Postal, P.M. (1964). "Underlying and Superficial Linguistic Structure." *Harvard Educational Review*, 34, pp. 246-266.
- Potter, R.K., G.A. Kopp, and H.C. Green (1947). *Visible Speech*. New York: D. Van Nostrand Co., Inc. Reprinted by Dover Publications, 1966.
- The Principles of the International Phonetic Association* (1949). London: Department of Phonetics, University College. Reprinted 1961.
- Putnam, H. (1961). "Some Issues in the Theory of Grammar." In R. Jakobson (ed.), *Structure of Language and Its Mathematical Aspects, Proceedings of the 12th Symposium in Applied Mathematics*, pp. 25-42. Providence, R.I.: American Mathematics Society.
- Putnam, H. (1967). "The 'Innateness Hypothesis' and Explanatory Models in Linguistics." *Synthese*, 17, pp. 12-22.
- Quirk, R. (1967). "Our Knowledge of English." *Incorporated Linguist*, 6, pp. 1-6.
- Rijk, R. (1965). "Review of E. Bach, *An Introduction to Transformational Grammars*." *Foundations of Language*, 1, pp. 129-132.
- Ross, J.R. (1967). *Constraints of Variables in Syntax*. Unpublished Doctoral thesis, Massachusetts Institute of Technology.
- Sapir, E. (1958). "Language and Environment." In D.G. Mandelbaum (ed.), *Selected Writings of Edward Sapir in Language, Culture, and Personality*, pp. 89-103. Berkeley and Los Angeles: University of California Press.
- Schacter, P. (1962). "Review of *The Grammar of English Nominalizations*." *International Journal of American Linguistics*, 28, pp. 134-145.

- Schane, S.A. (1967). "Review: 'La Linguistique Synchronique: Etudes et Recherches' by A. Martinet." *International Journal of American Linguistics*, 33, pp. 178-183.
- Searle, J. (1965). "What is a Speech Act?" In M. Black (ed.), *Philosophy in America*. Ithaca, N.Y.: Cornell University Press.
- Shannon, C.E., and W. Weaver (1949). *The Mathematical Theory of Communication*. Urbana: University of Illinois Press.
- Skinner, B.F. (1957). *Verbal Behavior*. New York: Appleton-Century-Crofts.
- Staal, J.F. (1965). "Review of J. Katz and P. Postal, *An Integrated Theory of Linguistic Descriptions*." *Foundations of Language*, 1, pp. 133-153.
- Stetson, R.H. (1951). *Motor Phonetics*. Amsterdam: North-Holland Publishing Co.
- Stockwell, R.P. (1960). "The Place of Intonation in a Generative Grammar." *Language*, 36, pp. 360-367.
- Stumpf, C. (1926). *Die Sprachlaute*. Berlin: Springer.
- Sweet, H. (1906). *A Primer of Phonetics*. Third edition. London: Oxford University Press.
- Trager, G.L. (1961). "The Typology of Paralanguage." *Anthropological Linguistics*, 3, pp. 17-21.
- Trager, G.L., and H.L. Smith, Jr. (1951). "An Outline of English Structure." *Studies in Linguistics, Occasional Papers*, No. 3.
- Uhlenbeck, E.M. (1967). "Some Further Remarks on Transformational Grammar." *Lingua*, 17, pp. 263-316.
- Vygotsky, L.S. (1961). "Thought and Language." In S. Saporta (ed.), *Psycholinguistics: A Book of Readings*, pp. 509-537. New York: Holt, Rinehart and Winston.
- Wang, W. S-Y. (1967). "Phonological Features of Tone." *International Journal of American Linguistics*, 33, pp. 93-105.

- Weinreich, U. (1963). "On the Semantic Structure of Language."
In J.H. Greenberg (ed.), *Universals of Language*, pp. 78-92.
Cambridge, Mass.: The MIT Press.
- Wells, R.S. (1947). "Immediate Constituents." *Language*, 23,
pp. 81-117.
- Whorf, B.L. (1956). *Language, Thought, and Reality: Selected
Writings*. Cambridge, Mass.: The MIT Press.
- Whorf, B.L. (1961). "Science and Linguistics." In S. Saporta
(ed.), *Psycholinguistics: A Book of Readings*, pp. 460-468.
New York: Holt, Rinehart and Winston.
- Wittgenstein, L. (1953). *Philosophical Investigations*. Trans-
lated by G.E.M. Anscombe. New York: The Macmillan Company.
- Yngve, V. (1960). "A Model and an Hypothesis for Language Struc-
ture." *Proceedings of the American Philosophical Society*,
104, pp. 444-466.
- Yngve, V. (1961). "The Depth Hypothesis." In R. Jakobson (ed.),
*Structure of Language and Its Mathematical Aspects, Proceed-
ings of the 12th Symposium in Applied Mathematics*, pp. 130-
138. Providence, R.I.: American Mathematical Society.
- Ziff, P. (1965). "About What an Adequate Grammar Couldn't Do."
Foundations of Language, 1, pp. 5-13.

SECTION III: PSYCHOLOGY AND PSYCHOLINGUISTICS

- Anisfeld, E., and W.E. Lambert (1964). "Evaluational Reactions of Bilingual and Monolingual Children to Spoken Languages." *Journal of Abnormal and Social Psychology*, 69, pp. 89-97.
- Brown, R.W., and J. Berko (1960). "Psycholinguistic Research Methods." In P.H. Mussen (ed.), *Handbook of Research Methods in Child Development*, pp. 516-560. New York: Wiley.
- Carroll, J.B. (1958). "Process and Content in Psycholinguistics." In R. Glaser (ed.), *Current Trends in the Description and Analysis of Behavior*, pp. 175-200. Pittsburgh: University of Pittsburgh Press.
- Diebold, A., Jr. (1964). "Review of S. Saporta (ed.), *Psycholinguistics: A Book of Readings*." *Language*, 40, pp. 197-260.
- De Vito, J. (1967). "The Meaning of Psy -cho -lin -guis' -tics." *Today's Speech*, 15, pp. 19-22.
- Ervin, S.M. (1961). "Learning and Recall in Bilinguals." *American Journal of Psychology*, 74, pp. 446-451.
- Ervin, S.M. (1964). "Language and TAT Content in Bilinguals." *Journal of Abnormal and Social Psychology*, 68, pp. 500-507.
- Fodor, J.A., J.J. Jenkins, and S. Saporta (unpublished paper). "An Introduction to Psycholinguistic Theory."
- Jaffe, J. (1966). "The Study of Language in Psychiatry: Psycholinguistics and Computational Linguistics." In S. Arieti (ed.), *American Handbook of Psychiatry*, Vol. 3. New York: Basic Books.
- Jenkins, J.J. (1968). "The Challenge to Psychological Theorists." In T.R. Dixon and D.L. Horton (eds.), *Verbal Behavior and General Behavior Theory*, pp. 538-549. Englewood Cliffs, N.J.: Prentice-Hall.
- Kjeldegaard, P.M. (1961). "The Psychology of Language." *Review of Educational Research*, 31, pp. 119-129.
- Kolers, P.A. (1963). "Interlingual Word Associations." *Journal of Verbal Learning and Verbal Behavior*, 2, pp. 291-300.

- Kolers, P. (1966). "Interlingual Facilitation of Short-Term Memory." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 314-319.
- Kolers, P. (1968). "Bilingualism and Information Processing." *Scientific American*, 2, March, pp. 78-86.
- Lambert, W.E. (1963). "Psychological Approaches to the Study of Language: Part I. On Learning, Thinking, and Human Abilities. Part II. On Second-Language Learning and Bilingualism." *Modern Language Journal*, 47, pp. 114-121.
- Lambert, W.E., R.C. Hodgson, R.C. Garner, and S. Fillenbaum (1960). "Evaluational Reactions to 'Spoken Languages.'" *Journal of Abnormal and Social Psychology*, 60, pp. 44-51.
- Lashley, K.S. (1951). "The Problem of Serial Order in Behavior." In L.A. Jeffress (ed.), *Cerebral Mechanisms in Behavior*, pp. 112-136. New York: Wiley.
- Lisker, L., F.S. Cooper, and A.M. Liberman (1962). "The Uses of Experiment in Language Description." *Word*, 18, pp. 82-106.
- MacKay, D.M. (1967). "Ways of Looking at Perception." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 25-43. Cambridge, Mass.: The MIT Press.
- Mahl, G.F., and G. Schulze (1964). "Psychological Research in the Extra-Linguistic Area." In T.A. Sebeok, A.S. Hayes, and M.C. Bateson (eds.), *Approaches to Semiotics*, pp. 51-124. The Hague: Mouton & Co.
- Miller, G.A. (1956). "The Magical Number Seven, Plus or Minus Two: Some limits on our Capacity for Processing Information." *Psychological Review*, 63, pp. 81-97.
- Miller, G.A. (1964). "The Psycholinguistics: On the New Scientists of Language." *Encounter*, 23, pp. 29-37. Also in C.E. Osgood and T.A. Sebeok (eds.), *Psycholinguistics: A Survey of Theory and Research Problems*. Bloomington: Indiana University Press, 1965.
- Miller, G.A. (1965). "Some Preliminaries to Psycholinguistics." *American Psychologist*, 20, pp. 15-20. Reprinted in L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1967.

- Mowrer, O.H. (1954). "The Psychologist Looks at Language." *American Psychologist*, 9, pp. 660-694. Reprinted in L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1967.
- Osgood, C.E. (1963). "Psycholinguistics." In S. Koch (ed.), *Psychology: A Study of a Science*, Vol. 6, pp. 244-316. New York: McGraw-Hill.
- Osgood, C.E. (1967). "Behavior Theory and the Social Sciences." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 51-72. Englewood Cliffs, N.J.: Prentice-Hall.
- Peal, E., and W.E. Lambert (1962). "The Relation of Bilingualism to Intelligence." *Psychological Monographs*, 76.
- Rosenberg, S., and J.H. Koplin (1965). "Introduction to Psycholinguistics." In S. Rosenberg (ed.), *Directions in Psycholinguistics*, pp. 3-12. New York: The Macmillan Company.
- Rosenblith, W.A. (1961). *Sensory Communication*. New York: Wiley.
- Rubenstein, H., and M. Aborn (1960). "Psycholinguistics." *Annual Review of Psychology*, pp. 291-322.
- Skinner, B.F. (1967). "Thinking." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 128-141. Englewood Cliffs, N.J.: Prentice-Hall.
- Werner, H., and B. Kaplan (1963). *Symbol Formation*. New York: Wiley.

SECTION IV: SPEECH ANALYSIS FROM THE ARTICULATORY AND
ACOUSTIC VIEWPOINT

- Abramson, A.S. (1962). *The Vowels and Tones of Standard Thai: Acoustical Measurements and Experiments*. Publication No. 20. Bloomington: Research Center in Anthropology, Folklore, and Linguistics, Indiana University.
- Abramson, A.S., and L. Lisker (1965). "Voice Onset Time in Stop Consonants: Acoustic Analysis and Synthesis." *Reports of the Fifth International Congress on Acoustics*, 1a, Paper No. A51.
- Bell, C.G., H. Fujisaki, J. Heinz, K.N. Stevens, and A. House (1961). "Reduction of Speech Spectra by Analysis-by-Synthesis Techniques." *The Journal of the Acoustical Society of America*, 33, pp. 1725-1736.
- Black, J.W. (1949). "Natural Frequency, Duration and Intensity of Vowels in Reading." *The Journal of Speech and Hearing Disorders*, 14, pp. 216-221.
- Borst, J.M. (1956). "The Use of Spectrograms for Speech Analysis and Synthesis." *Journal of the Audio Engineering Society*, 4, pp. 14-23.
- Campanella, J., and D. Phyfe (1967). "Application of a Model of the Analog Ear to Speech Signal Analysis." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 198-205. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Cooper, F.S. (1950). "Spectrum Analysis." *The Journal of the Acoustical Society of America*, 22, pp. 761-762.
- Cooper, F.S. (1953). "Some Instrumental Aids to Research on Speech." *Report of the Fourth Annual Round Table Meeting on Linguistics and Language Teaching*, Series No. 3, pp. 46-53. Washington, D.C.: Georgetown University Press.
- Cooper, F.S. (1964). "Instrumental Methods for Research in Phonetics." *Proceedings of the Fifth International Congress of Phonetic Sciences*, Munster, Germany, August.

- Cooper, F.S. (1965). "Research Techniques and Instrumentation: EMG." *American Speech and Hearing Association Reports*, 1, pp. 153-158.
- Cooper, F.S. (1966). "Describing the Speech Process in Motor Command Terms." *The Journal of the Acoustical Society of America*, 39, p. 1221 (Abstract).
- Delattre, P. (1951). "The Physiological Interpretation of Sound Spectrograms." *Publications of the Modern Language Association*, LXVI, pp. 864-875.
- Delattre, P. (1966). "A Comparison of Syllable Length Conditioning Among Languages." *International Review of Applied Linguistics*, 4, pp. 183-198.
- Dedo, H.H., and H.F. Burn (1967). "Reliability of Laryngeal Electromyography in the Human - A Preliminary Study." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 154-163. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Denes, P. (1959). "A Preliminary Investigation of Certain Aspects of Intonation." *Language and Speech*, 2, pp. 106-122.
- Denes, P., and J. Milton-Williams (1962). "Further Studies of Intonation." *Language and Speech*, 5, pp. 1-14.
- Dickson, D.R. (1962). "An Acoustic Study of Nasality." *Journal of Speech and Hearing Research*, 5, pp. 103-111.
- Dolansky, L., and P. Tjernlund (1967). "On Certain Irregularities of Voiced-Speech Waveforms." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 147-152. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Fairbanks, G. (1940). "Recent Experimental Investigations of Vocal Pitch in Speech." *The Journal of the Acoustical Society of America*, 11, pp. 457-466.
- Fant, C.G.M. (1956). "On the Predictability of Formant Levels and Spectrum Envelopes from Formant Frequencies." In M. Halle (ed.), *For Roman Jakobson*, pp. 109-120. The Hague: Mouton & Co.

- Fant, C.G.M. (1959). "Acoustic Analysis and Synthesis of Speech with Applications to Swedish." *Ericsson Technics*, 15, pp. 3-108.
- Fant, C.G.M. (1962). "Descriptive Analysis of the Acoustic Aspects of Speech." *Logos*, 5, pp. 3-17.
- Fant, C.G.M. (1962). "Sound Spectrography." *Proceedings of the Fourth International Congress on Phonetic Sciences*, Helsinki, Finland, 1961, pp. 14-33. 's-Gravenhage: Mouton & Co.
- Fant, C.G.M. (1967). "Auditory Patterns of Speech." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 111-125. Cambridge, Mass.: The MIT Press.
- Fant, C.G.M. (1967). *Theory of Distinctive Features*. Speech Transmission Laboratory Quarterly Progress and Status Report, January, pp. 1-14. Stockholm, Sweden: The Royal Institute of Technology.
- Fant, C.G.M., K. Fintoft, J. Liljencrantz, B. Lindblom, and J. Mártony (1963). "Formant-Amplitude Measurements." *The Journal of the Acoustical Society of America*, 35, pp. 1753-1761.
- Farnsworth, D.R. (1937). "An Approach to the Study of Vocal Resonance." *The Journal of the Acoustical Society of America*, 9, pp. 152-154.
- Fischer-Jørgensen, E. (1954). "Acoustic Analysis of Stop Consonants." *Miscellanea Phonetica*, 2, pp. 42-59.
- Fischer-Jørgensen, E. (1964). "Sound Duration and Place of Articulation." *Zeitschrift für Phonetik, Sprachwissenschaft und Kommunikationsforschung*, 17, pp. 175-207.
- Fromkin, V.A. (1965). "Some Phonetic Specifications of Linguistic Units: An Electromyographic Investigation." *Working Papers in Phonetics*, No. 3, October. Los Angeles: University of California.
- Fromkin, V.A. (1966). "Neuro-Muscular Specification of Linguistic Units." *Language and Speech*, 9, pp. 170-199.
- Fromkin, V.A., and P. Ladefoged (1966). "Electromyography in Speech Research." *Phonetica*, 15, pp. 219-242.

- Fry, D.B., and P. Denes (1962). "The Role of Acoustics in Phonetic Studies." In E.G. Richardson and E. Meyer (eds.), *Technical Aspects of Sound*, Vol. 3, pp. 1-69. Amsterdam: Elsevier.
- Fujimura, O. (1962). "Analysis of Nasal Consonants." *The Journal of the Acoustical Society of America*, 34, pp. 1865-1875.
- Green, P.S. (1958). "Consonant-Vowel Transition." *Studia-Linguistica*, 2, pp. 5-53.
- Hadding-Koch, K. (1961). "Acoustic-Phonetic Studies in the Intonation of Southern Swedish." *Travaux de L'Institut de Phonétique de Lund*.
- Hadding-Koch, K., and M. Studdert-Kennedy (1964). "An Experimental Study of Some Intonation Contours." *Phonetica*, 11, pp. 175-185.
- Halle, M., and K.N. Stevens (1967). *On the Mechanism of Glottal Vibration for Vowels and Consonants*. Quarterly Progress Report No. 85, pp. 267-271. Cambridge, Mass.: Research Laboratory of Electronics, Massachusetts Institute of Technology.
- Halle, M., G.W. Hughes, and J-P. A. Radley (1957). "Acoustic Properties of Stop Consonants." *The Journal of the Acoustical Society of America*, 29, pp. 107-116.
- Harris, C.M. (1953). "A Study of the Building Blocks in Speech." *The Journal of the Acoustical Society of America*, 25, pp. 962-969.
- Harris, K.S. (1958). "Cues for the Discrimination of American English Fricatives in Spoken Syllables." *Language and Speech*, 1, pp. 1-7.
- Harris, K.S. (1963). "Behavior of the Tongue in the Production of Some Alveolar Consonants." *The Journal of the Acoustical Society of America*, 35, p. 784 (Abstract).
- Harris, K.S., D.A. Huntington, and G.N. Sholes (1966). "Coarticulation of Some Disyllabic Utterances Measured by Electromyographic Techniques." *The Journal of the Acoustical Society of America*, 39, p. 1219 (Abstract).
- Harris, K.S., G. Lysaught, M.M. Schvey (1955). "Some Aspects of the Production of Oral and Nasal Labial Stops." *Language and Speech*, 8, pp. 135-147.

- Heinz, J.M., and K.N. Stevens (1961). "On the Properties of Voiceless Fricative Consonants." *The Journal of the Acoustical Society of America*, 33, pp. 589-596.
- Holbrook, A., and G. Fairbanks (1962). "Diphthong Formants and Their Movements." *Journal of Speech and Hearing Research*, 5, pp. 38-58.
- House, A.S. (1961). "On Vowel Duration in English." *The Journal of the Acoustical Society of America*, 33, pp. 1174-1177.
- House, A.S., and G. Fairbanks (1953). "The Influence of Consonant Environment upon the Secondary Acoustical Characteristics of Vowels." *The Journal of the Acoustical Society of America*, 25, pp. 105-113.
- Hughes, G.W., and M. Halle (1956). "Spectral Properties of Fricative Consonants." *The Journal of the Acoustical Society of America*, 28, pp. 303-310.
- Jakobson, R., C.G.M. Fant, and M. Halle (1952). *Preliminaries to Speech Analysis. The Distinctive Features and Their Correlates*. Technical Rept. No. 13, Acoustics Laboratory, Massachusetts Institute of Technology. Republished, Cambridge, The MIT Press.
- Jassem, W. (1962). "Noise Spectra of Swedish, English, and Polish Fricatives." *Proceedings of the Speech Communication Seminar*, August. Stockholm, Sweden: The Royal Institute of Technology.
- Jassem, W. (1965). "The Formants of Fricative Consonants." *Language and Speech*, 8, pp. 1-16.
- Kim, C.-W. (1965). "On the Autonomy of the Tensity Feature in Stop Classification." Paper presented at the summer meeting of The Linguistic Society of America, Ann Arbor, Michigan, July.
- Kimura, K. (1967). "The Influence of the Consonants upon the Duration of the Vowels Preceding in the English Language." *Bulletin of the Phonetic Society of Japan*, 42, pp. 4-6.
- Klatt, D.H. (1967). *Articulatory Activity and Air Flow During the Production of Fricative Consonants*. Quarterly Progress Report No. 84, pp. 257-259. Cambridge, Mass.: Research Laboratory of Electronics, Massachusetts Institute of Technology.

- Klatt, D.H., K.N. Stevens, and J. Mead (to be published). "Studies of Articulatory Activity and Air Flow During Speech." *Proceedings of Conference on Sound Production in Man*. New York: New York Academy of Sciences.
- Koenig, W., H.K. Dunn, and L.Y. Lacy (1946). "The Sound Spectrograph." *The Journal of the Acoustical Society of America*, 18, pp. 19-49.
- Ladefoged, P. (1962). "The Nature of Vowel Quality." *Revista do Laboratorio de Fonetica Experimental da Faculdade de Letras da Universidade de Coimbra*.
- Ladefoged, P. (1966). "New Research Techniques in Experimental Phonetics." *Study of Sounds*, 12, pp. 84-101.
- Ladefoged, P., and N.P. McKinney (1963). "Loudness, Sound Pressure, and Sub-Glottal Pressure in Speech." *The Journal of the Acoustical Society of America*, 35, pp. 454-460.
- Lehiste, I. (1964). "Acoustical Characteristics of Selected English Consonants." *International Journal of American Linguistics*, 30, Part IV, July.
- Lehiste, I., and G.E. Peterson (1959). "Vowel Amplitude and Phonemic Stress in American English." *The Journal of the Acoustical Society of America*, 31, pp. 428-435.
- Lehiste, I., and G.E. Peterson (1961). "Some Basic Considerations in the Analysis of Intonation." *The Journal of the Acoustical Society of America*, 33, pp. 419-425.
- Lehiste, I., and G.E. Peterson (1961). "Transitions, Glides, and Diphthongs." *The Journal of the Acoustical Society of America*, 33, pp. 268-277.
- Lieberman, P. (1960). "Some Acoustic Correlates of Word Stress in American English." *The Journal of the Acoustical Society of America*, 32, pp. 451-454.
- Lindblom, B. (1963). *On Vowel Reduction*. Report No. 29, May. Stockholm, Sweden: The Speech Transmission Laboratory The Royal Institute of Technology.
- Lindblom, B. (1963). "Spectrographic Study of Vowel Reduction." *The Journal of the Acoustical Society of America*, 35, pp. 1773-1781.

- Lindblom, B. (1964). "Articulatory Activity in Vowels." *The Journal of the Acoustical Society of America*, 36, p. 1038 (Abstract).
- Lisker, L. (1957). "Closure Duration and the Voiced-Voiceless Distinction in English." *Language*, 33, pp. 42-49.
- Lisker, L. (1958). "Anatomy of Unstressed Syllables." *The Journal of the Acoustical Society of America*, 30, p. 682 (Abstract).
- Lisker, L., and A.S. Abramson (1964). "Stop Categories and Voice Onset Time." *Proceedings of the Fifth International Congress of Phonetic Sciences*, Munster, Germany, August.
- Lisker, L., and A.S. Abramson (1964). "A Cross-Language Study of Voicing in Initial Stops: Acoustical Measurements." *Word*, 20, pp. 384-422.
- Lisker, L., and A.S. Abramson (1967). "Some Effects of Context on Voice Onset Time in English Stops." *Language and Speech*, 10, pp. 1-28.
- MacNeillage, P.F. (1963). "Electromyographic and Acoustic Study of the Production of Certain Final Clusters." *The Journal of the Acoustical Society of America*, 35, pp. 461-463.
- MacNeillage, P.F., and J.L. DeClerk (1967). "On the Motor Control of Coarticulation in CVC Monosyllables." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 157-163. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- MacNeillage, P.F., and G.N. Sholes (1964). "An Electromyographic Study of the Tongue During Vowel Production." *Journal of Speech and Hearing Research*, 7, pp. 209-232.
- MacNeillage, P.F., J.L. DeClerk, and S.I. Silverman (1966). "Some Relations Between Articulator Movement and Motor Control in Consonant-Vowel-Consonant Monosyllables." *The Journal of the Acoustical Society of America*, 40, p. 1272 (Abstract).
- Malécot, A. (1967). "Mechanical Pressure as an Index of 'Force of Articulation'." *Phonetica*, 14, pp. 169-180.

- Mathews, M.V., J.E. Miller, and E.E. David, Jr. (1961). "Pitch-Synchronous Analysis of Voiced Sounds." *The Journal of the Acoustical Society of America*, 33, pp. 179-186.
- Miller, J.E., J.R. Pierce, and M.V. Mathews (1962). "Study of Articulator Dynamics." *The Journal of the Acoustical Society of America*, 34, p. 1978 (Abstract).
- Morton, J., and W. Jassem (1965). "Acoustic Correlates of Stress." *Language and Speech*, 8, pp. 159-181.
- Mundie, J.R., and T.J. Moore (1967). "Speech Analysis as the Ear Sees It: Aural Topography." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 206-214. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Ohala, J., and M. Hirano (1967). "Control Mechanisms for the Sequencing of Neuromuscular Events in Speech." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 164-169. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Öhman, S.E.G. (1966). "Coarticulation in VCV Utterances: Spectrographic Measurements." *The Journal of the Acoustical Society of America*, 39, pp. 151-168.
- Öhman, S.E.G. (1967). "Numerical Model of Coarticulation." *The Journal of the Acoustical Society of America*, 41, pp. 310-320.
- Öhman, S.E.G., and K.N. Stevens (1963). "Cinéradiographic Studies of Speech: Procedures and Objectives." *The Journal of the Acoustical Society of America*, 35, p. 1889 (Abstract).
- Perkell, J.S. (1965). "Cinéradiographic Studies of Speech: Implications of a Detailed Analysis of Certain Articulatory Movements." *Proceedings of Fifth International Conference on Acoustics*, Liège.
- Perkell, J.S. (1965). *Studies of the Dynamics of Speech Production*. Quarterly Progress Report No. 76, pp. 253-257. Cambridge, Mass.: Research Laboratory of Electronics, Massachusetts Institute of Technology.

- Peterson, G.E. (1959). "Vowel Formant Measurements." *Journal of Speech and Hearing Research*, 2, pp. 173-183.
- Peterson, G.E. (1961). "Parameters of Vowel Quality." *Journal of Speech and Hearing Research*, 4, pp. 10-29.
- Peterson, G.E., and H.L. Barney (1952). "Control Methods Used in a Study of the Vowels." *The Journal of the Acoustical Society of America*, 24, pp. 175-185.
- Peterson, G.E., and I. Lehiste (1960). "Duration of Syllable Nuclei in English." *The Journal of the Acoustical Society of America*, 32, pp. 693-703.
- Peterson, G.E., and N.P. McKinney (1961). "The Measurement of Speech Power." *Phonetica*, 7, pp. 65-84.
- Pickett, J.M. (1967). "Recent Research on Speech Analyzing Aids for the Deaf." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 192-197. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Pinson, E.N. (1963). "Pitch-Synchronous Time-Domain Estimation of Formant Frequencies and Bandwidths." *The Journal of the Acoustical Society of America*, 35, pp. 1264-1273.
- Potter, R.K., and J.C. Steinberg (1950). "Toward the Specification of Speech." *The Journal of the Acoustical Society of America*, 22, pp. 807-820.
- Potter, R.K., G.A. Kopp, and H.C. Green (1947). *Visible Speech*. Princeton, N.J.: Van Nostrand Co. Reprinted by Dover Publications, New York, 1966.
- Scarr, R.W.A. (1967). "Zero Crossings as a Means of Obtaining Spectral Information in Speech Analysis." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 232-238. Bedford, Mass: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Schroeder, M.R. (1967). "Determination of the Geometry of the Human Vocal Tract by Acoustic Measurements." *The Journal of the Acoustical Society of America*, 41, pp. 1002-1010.

- Schubiger, M. (1967). "Vowel Quality in Unstressed Syllables." *English Language Teaching*, 21, pp. 170-178.
- Sharf, D.J. (1962). "Duration of Post-Stress Intervocalic Stops and Preceding Vowels." *Language and Speech*, 5, pp. 26-30.
- Shearme, J.N., and J.N. Holmes (1962). "An Experimental Study of the Classification of Sounds in Continuous Speech According to Their Distribution in the Formant 1-Formant 2 Plane." *Proceedings of the Fourth International Congress of Phonetic Sciences*, Helsinki, Finland, 1961, pp. 234-240. 's-Gravenhage: Mouton & Co.
- Sondhi, M.M. (1967). "New Methods of Pitch Extraction." 1967 *Conference on Speech Communication and Processing*, 6-8 November, pp. 239-243. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Soron, H.I., and P. Lieberman (1963). "Some Measurements of the Glottal-Area Waveform." *The Journal of the Acoustical Society of America*, 35, p. 1876 (Abstract).
- Stevens, K.N. (1967). "Acoustic Correlates of Certain Consonantal Features." 1967 *Conference on Speech Communication and Processing*, 6-8 November, pp. 177-183. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Stevens, K.N., and M. Halle (1967). "Remarks on Analysis by Synthesis and Distinctive Features." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 88-102. Cambridge, Mass.: The MIT Press.
- Stevens, K.N., and A.S. House (1956). "Studies of Formant Transitions using a Vocal Tract Analog." *The Journal of the Acoustical Society of America*, 28, pp. 578-585.
- Stevens, K.N., and A.S. House (1961). "An Acoustical Theory of Vowel Production and Some of its Implications." *Journal of Speech and Hearing Research*, 4, pp. 303-320.
- Stevens, K.N., and A.S. House (1963). "Perturbations of Vowel Articulations by Consonantal Context: An Acoustical Study." *Journal of Speech and Hearing Research*, 6, pp. 111-128.

- Stevens, K.N., A.S. House, and A.P. Paul (1966). "Acoustical Description of Syllabic Nuclei: An Interpretation in Terms of a Dynamic Model of Articulation." *The Journal of the Acoustical Society of America*, 40, pp. 123-132.
- Strevels, P. (1960). "Spectra of Fricative Noise in Human Speech." *Language and Speech*, 3, pp. 32-49.
- Van den Berg, Jw. (1956). "Direct and Indirect Determination of the Mean Subglottic Pressure." *Folia Phoniatrica*, 8, pp. 1-24.

SECTION V: SPEECH PERCEPTION BY HUMANS

- Abramson, A.S. (1961). "Identification and Discrimination of Phonemic Tones." *The Journal of the Acoustical Society of America*, 33, p. 842 (Abstract).
- Bastian, J., and A.S. Abramson (1962). "Identification and Discrimination of Phonemic Vowel Duration." *The Journal of the Acoustical Society of America*, 34, p. 743 (Abstract).
- Bastian, J., P.D. Eimas, and A.M. Liberman (1961). "Identification and Discrimination of a Phonemic Contrast Induced by Silent Interval." *The Journal of the Acoustical Society of America*, 33, p. 842 (Abstract).
- Bastian, J., P.C. Delattre, and A.M. Liberman (1959). "Silent Interval as a Cue for the Distinction Between Stops and Semi-vowels in Medial Position." *The Journal of the Acoustical Society of America*, 31, p. 1568 (Abstract).
- Bolinger, D., and L.J. Gerstman (1957). "Disjuncture as a Cue to Constructs." *Word*, 13, pp. 246-255.
- Brady, P.T., A.S. House, and K.N. Stevens (1961). "Perception of Sounds Characterized by a Rapidly Changing Resonant Frequency." *The Journal of the Acoustical Society of America*, 33, pp. 1337-1362.
- Broadbent, D.E. (1962). "Attention and the Perception of Speech." *Scientific American*, April, pp. 3-9.
- Broadbent, D.E., and P. Ladefoged (1960). "Vowel Judgments and Adaptation Level." *Proceedings of the Royal Society* 3, 151, pp. 384-399.
- Broadbent, D.E., and M. Gregory (1964). "Accuracy of Recognition for Speech Presented to the Right and Left Ears." *Quarterly Journal of Experimental Psychology*, 16, pp. 359-360.
- Brown, R.W., and D.C. Hildum (1956). "Expectancy and the Perception of Syllables." *Language*, 32, pp. 411-419.
- Bryden, M.P. (1963). "Ear Preference in Auditory Perception." *Journal of Experimental Psychology*, 65, pp. 103-105.

- Cardozo, B.L., and R.J. Ritsma (1967). "The Perception of Imperfect Periodicity." *1967 Conference on Speech Communication and Processing, 6-8 November*, pp. 256-261. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Cherry, E.C., and W.K. Taylor (1954). "Some Further Experiments Upon the Recognition of Speech with One and with Two Ears." *The Journal of the Acoustical Society of America*, 26, pp. 554-559.
- Chisholm, W.S. (1966). "The Phonemicization of Intervocalic 'T,D'." *American Speech*, 41, pp. 114-118.
- Chistovich, L.A. (1960). "Classification of Rapidly Repeated Sounds." *Akusticheskii Zhurnal*, 6, pp. 392-398. Translated in *Soviet Physics-Acoustics*, New York, 1961, 6, pp. 393-398.
- Chistovich, L.A., Y.A. Klaas, and Y.I. Kuzmin (1962). "The Process of Speech Sound Discrimination." *Voprosy Psikhologii*, 8, pp. 26-39. A translated version (in English) of this paper appears as Research Translation ETR 63-10, Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, Bedford, Mass.
- Compton, A.J. (1967). "Aural Perception of Different Syntactic Structures and Lengths." *Language and Speech*, 10, pp. 81-87.
- Conrad, R. (1964). "Acoustic Confusions in Immediate Memory." *British Journal of Psychology*, 55, pp. 75-84.
- Cooper, F.S., A.M. Liberman, and J.M. Borst (1951). "The Interconversion of Audible and Visible Patterns as a Basis for Research in the Perception of Speech." *Proceedings of the National Academy of Sciences*, 37, pp. 318-325.
- Cooper, F.S., P.C. Delattre, A.M. Liberman, J. Borst, and L.J. Gerstman (1952). "Some Experiments on the Perception of Synthetic Speech Sounds." *The Journal of the Acoustical Society of America*, 24, pp. 597-606.
- Cooper, F.S., A.M. Liberman, K.S. Harris, and P.M. Grubb (1958). "Some Input-Output Relations Observed in Experiments on the Perception of Speech." *Proceedings of the Second International Congress of Cybernetics*, pp. 930-941. Namur, Belgium: Association Internationale de Cybernetique.

- Corliss, E.L.R., E.D. Burnett, M.T. Kobal, and M.A. Bassin (1967). "The Relative Importance of Frequency Distortion and Changes in Time Constants in the Intelligibility of Speech." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 265-267. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Cross, D.V., H.L. Lane, and W.C. Sheppard (1965). "Identification and Discrimination Functions for a Visual Continuum and Their Relation to the Motor Theory of Speech Perception." *Journal of Experimental Psychology*, 70, pp. 63-74.
- Delattre, P.C. (1958). "Les Indices Acoustiques de la Parole: Premier Rapport." *Phonetica*, 2, pp. 108-118, 226-251.
- Delattre, P.C. (1962). "Le Jeu des Transitions des Formants et la Perception des Consonnes." *Proceedings of the Fourth International Congress of Phonetic Sciences*, Helsinki, Finland, 1961, pp. 407-417. 's-Gravenhage: Mouton & Co.
- Delattre, P.C., A.M. Liberman, and F.S. Cooper (1955). "Acoustic Loci and Transitional Cues for Consonants." *The Journal of the Acoustical Society of America*, 27, pp. 769-773.
- Delattre, P.C., A.M. Liberman, and F.S. Cooper (1964). "Formant Transitions and Loci as Acoustic Correlates of Place of Articulation in American Fricatives." *Studia Linguistica*, 18, pp. 104-121.
- Delattre, P.C., A.M. Liberman, F.S. Cooper, and L.J. Gerstman (1952). "An Experimental Study of the Acoustic Determinants of Vowel Color: Observations on One- and Two-Formant Vowels Synthesized from Spectrographic Patterns." *Word*, 8, pp. 195-210.
- Denes, P. (1955). "Effect of Duration on the Perception of Voicing." *The Journal of the Acoustical Society of America*, 27, pp. 761-764.
- Denes, P.B. (1967). "On the Motor Theory of Speech Perception." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 309-314. Cambridge, Mass.: The MIT Press.
- Egan, J.P. (1948). "Articulation Testing Methods." *Laryngoscope*, 58, pp. 955-991.

- Eimas, P.D. (1963). "The Relation Between Identification and Discrimination along Speech and Non-Speech Continua." *Language and Speech*, 6, pp. 206-217.
- Fairbanks, G. (1958). "Test of Phonemic Differentiation: The Rhyme Test." *The Journal of the Acoustical Society of America*, 30, pp. 596-600.
- Fairbanks, G., and P. Grubb (1961). "A Psychophysical Investigation of Vowel Formants." *Journal of Speech and Hearing Research*, 4, pp. 203-220.
- Fourcin, A.J. (1967). "Speech Source Inference." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 261-264. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Fromkin, V.A. (1967). "Experiments on Competence and Performance." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 184-191. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Fry, D.B. (1955). "Duration and Intensity as Physical Correlates of Linguistic Stress." *The Journal of the Acoustical Society of America*, 27, pp. 765-768.
- Fry, D.B. (1958). "Experiments on the Perception of Stress." *Language and Speech*, 1, pp. 126-152.
- Fry, D.B., A.S. Abramson, P.D. Eimas, and A.M. Liberman (1962). "The Identification and Discrimination of Synthetic Vowels." *Language and Speech*, 5, pp. 171-189.
- Fujimura, O. (1967). "On the Second Spectral Peak of Front Vowels: A Perceptual Study of the Role of the Second and Third Formants." *Language and Speech*, 10, pp. 181-193.
- Fujisaki, H., and T. Kawashima (1967). "The Roles of Pitch and Higher Formants in the Perception of Vowels." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 251-255. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.

- Galunov, V.I., and L.A. Chistovich (1965). "Relationship of Motor Theory to the General Problem of Speech Recognition (Review)." *Akusticheskii Zhurnal*, 11, pp. 417-426. Translated in *Soviet Physics-Acoustics*, New York, 1966, 11, pp. 357-365.
- Goldman-Eisler, F. (1958). "Speech Analysis and Mental Processes." *Language and Speech*, 1, pp. 59-75.
- Goldman-Eisler, F. (1961). "Hesitation and Information in Speech." In C. Cherry (ed.), *Information Theory*, pp. 162-174. London: Butterworths.
- Greenberg, J.H., and J.J. Jenkins (1964). "Studies in the Psychological Correlates of the Sound System of American English." *Word*, 20, pp. 157-177. Reprinted in L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 186-200. Englewood Cliffs, N.J.: Prentice-Hall, 1967.
- Griffith, B.C. (1958). *A Study of the Relation Between Phoneme Labeling and Discriminability in the Perception of Synthetic Stop Consonants*. Unpublished Doctoral dissertation, University of Connecticut.
- Hadding-Koch, K., and M. Studdert-Kennedy (1964). "An Experimental Study of Some Intonation Contours." *Phonetica*, 11, pp. 175-185.
- Hadding-Koch, K., and M. Studdert-Kennedy (1964). "Intonation Contours Evaluated by American and Swedish Test Subjects." *Proceedings of the Fifth International Congress of Phonetic Sciences*, Munster, Germany, August.
- Halle, M., and K.N. Stevens (1959). "Analysis by Synthesis." In W. Wathen-Dunn and L.F. Woods (eds.), *Proceedings of the Seminar on Speech Compression and Processing*, AFRCRC-TR-59-198, Paper D-7, December.
- Halle, M., and K.N. Stevens (1964). "Speech Recognition: A Model and a Program for Research." In J.H. Fodor and J. Katz (eds.), *The Structure of Language*, pp. 604-612. Englewood Cliffs, N.J.: Prentice-Hall.
- Harris, K.S. (1958). "Cues for the Discrimination of American English Fricatives in Spoken Syllables." *Language and Speech*, 1, pp. 1-7.

- Harris, K.S., J. Bastian, and A.M. Liberman (1961). "Mimicry and the Perception of a Phonemic Contrast Induced by Silent Interval: Electromyographic and Acoustic Measures." *The Journal of the Acoustical Society of America*, 33, p. 842 (Abstract).
- Harris, K.S., H.S. Hoffman, A.M. Liberman, P.C. Delattre, and F.S. Cooper (1958). "Effect of Third-Formant Transitions on the Perception of the Voiced Stop Consonants." *The Journal of the Acoustical Society of America*, 30, pp. 122-126.
- Hayek, F.A. (1963). "Rules, Perception and Intelligibility." *Proceedings of the British Academy*, XLVI, pp. 321-344.
- Heinz, J.M., J. Lindquist, and B.E.F. Lindblom (1967). "Patterns of Residual Masking for Sounds with Speech-Like Characteristics." *1967 Conference on Speech Communication and Processing, 6-8 November*, pp. 246-250. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Hirsh, I.J. (1959). "Auditory Perception of Temporal Order." *The Journal of the Acoustical Society of America*, 31, pp. 759-767.
- Hoffman, H.S. (1958). "A Study of Some Cues in the Perception of the Voiced Stop Consonants." *The Journal of the Acoustical Society of America*, 30, pp. 1035-1041.
- House, A.S. (1960). "Formant Band Widths and Vowel Preference." *Journal of Speech and Hearing Research*, 3, pp. 3-8.
- House, A.S., K.N. Stevens, D.T. Sandel, and J.B. Arnold (1962). "On the Learning of Speech-Like Vocabularies." *Journal of Verbal Learning and Verbal Behavior*, 1, pp. 133-143.
- House, A.S., C.E. Williams, M.H.L. Hecker, and K.D. Kryter (1965). "Articulation Testing Methods: Consonantal Differentiation with a Closed-Response Set." *The Journal of the Acoustical Society of America*, 37, pp. 158-166.
- Howes, D. (1957). "On the Relation Between the Intelligibility and Frequency of Occurrence of English Words." *The Journal of the Acoustical Society of America*, 29, pp. 296-305.
- Huggins, A.W.F. (1964). "Distortion of the Temporal Pattern of Speech: Interruption and Alternation." *The Journal of the Acoustical Society of America*, 36, pp. 1055-1064.

- Huggins, A.W.F. (1967). "Distortion of the Temporal Pattern of Speech by Syllable-Tied Alternation." *Language and Speech*, 10, pp. 133-140.
- Huggins, A.W.F. (1967). "How Accurately Must a Speaker Time His Articulation?" *1967 Conference on Speech Communication and Processing, 6-8 November*, pp. 268-273. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Huggins, A.W.F. (1968). "The Perception of Timing in Natural Speech. I: Compensation Within the Syllable." *Language and Speech*, 11, pp. 1-11.
- Kinney, J.S. (1961). "Discrimination in Auditory and Visual Patterns." *American Journal of Psychology*, 74, pp. 529-541.
- Klatt, D.H. (1968). "Structure of Confusions in Short-Term Memory Between English Consonants." *The Journal of the Acoustical Society of America*, 44, pp. 401-407.
- Kozhevnikov, V.A., and L.A. Chistovich (1965). *Rech' Artikuliatsia i vospriiatie*. Moscow-Leningrad. Translated in *Speech: Articulation and Perception*. Washington, D.C.: Joint Publications Research Service, 30, p. 543, 1966.
- Ladefoged, P. (1959). "The Perception of Speech." In *Mechanization of Thought Processes*, pp. 397-409. London: H.M. Stationery Office. Also in *Proceedings of the Symposium on the Mechanism of Thought Processes, 24-27 November, 1958*, National Physical Laboratory, Paper 3-2, Teddington, England.
- Ladefoged, P., and D.E. Broadbent (1957). "Information Conveyed by Vowels." *The Journal of the Acoustical Society of America*, 29, pp. 98-104.
- Ladefoged, P., and D.E. Broadbent (1960). "Perception of Sequence in Auditory Events." *Quarterly Journal of Experimental Psychology*, 12, pp. 162-170.
- Lane, H. (1965). "Motor Theory of Speech Perception: A Critical Review." *Psychological Review*, 72, pp. 275-309.
- Liberman, A.M. (1957). "Some Results of Research on Speech Perception." *The Journal of the Acoustical Society of America*, 29, pp. 117-123. Reprinted in S. Saporta (ed.), *Psycholinguistics: A Book of Readings*. New York: Holt, Rinehart and Winston, 1961.

- Liberman, A.M., P.C. Delattre, and F.S. Cooper (1958). "Some Cues for the Distinction Between Voiced and Voiceless Stops in Initial Position." *Language and Speech*, 1, pp. 153-167.
- Liberman, A.M., F.S. Cooper, K.S. Harris, and P.F. MacNeillage (1963). "A Motor Theory of Speech Perception." *Proceedings of the Speech Communication Seminar*, Stockholm, Sweden, 1962. Stockholm, Sweden: The Royal Institute of Technology.
- Liberman, A.M., P.C. Delattre, F.S. Cooper, and L.J. Gerstman (1954). "The Role of Consonant-Vowel Transitions in the Perception of Stop and Nasal Consonants." *Psychological Monographs*, 68, pp. 1-13.
- Liberman, A.M., P.C. Delattre, L.J. Gerstman, and F.S. Cooper (1956). "Tempo of Frequency Change as a Cue for Distinguishing Classes of Speech Sounds." *Journal of Experimental Psychology*, 52, pp. 127-137.
- Liberman, A.M., K.S. Harris, P.D. Eimas, L. Lisker, and J. Bastian (1961). "An Effect of Learning on Speech Perception: The Discrimination of Durations of Silence With and Without Phonemic Significance." *Language and Speech*, 4, pp. 175-195.
- Liberman, A.M., K.S. Harris, H.S. Hoffman, and B.C. Griffith (1957). "The Discrimination of Speech Sounds Within and Across Phoneme Boundaries." *Journal of Experimental Psychology*, 54, pp. 358-368.
- Liberman, A.M., K.S. Harris, J.A. Kinney, and H. Lane (1961). "The Discrimination of Relative Onset-Time of the Components of Certain Speech and Nonspeech Patterns." *Journal of Experimental Psychology*, 61, pp. 379-388.
- Liberman, A.M., F.S. Cooper, K.S. Harris, P.F. MacNeillage, and M. Studdert-Kennedy (1967). "Some Observations on a Model for Speech Perception." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 68-87. Cambridge, Mass.: The MIT Press.
- Liberman, A.M., F.S. Cooper, M. Studdert-Kennedy, K.S. Harris, and D.P. Shankweiler (1966). "Some Observations on the Efficiency of Speech Sounds." Paper presented at the XVIII International Congress of Psychology, Moscow, August. (In press) *Zeitschrift für Phonetik, Sprachwissenschaft und Kommunikationsforschung*.

- Licklider, J.C.R. (1952). "On the Process of Speech Perception." *The Journal of the Acoustical Society of America*, 24, pp. 590-594.
- Licklider, J., and G. Miller (1951). "The Perception of Speech." In S. Stevens (ed.), *Handbook of Experimental Psychology*. New York: Wiley.
- Lieberman, P. (1963). "Some Effects of Semantic and Grammatical Context on the Production and Perception of Speech." *Language and Speech*, 6, pp. 172-187.
- Lieberman, P. (1965). "On the Acoustic Basis of the Perception of Intonation by Linguists." *Word*, 12, pp. 40-54.
- Lieberman, P. (1967). *Intonation, Perception and Language*. Cambridge, Mass.: The MIT Press.
- Lieberman, P. (1967). "Intonation and the Syntactic Processing of Speech." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 314-319. Cambridge, Mass.: The MIT Press.
- Lindblom, B.E.F., and M. Studdert-Kennedy (1967). "On the Role of Formant Transitions in Vowel Recognition." *The Journal of the Acoustical Society of America*, 42, pp. 830-843.
- Lisker, L. (1957). "Closure Duration and the Intervocalic Voiced-Voiceless Distinction in English." *Language*, 33, pp. 42-49.
- Lisker, L. (1957). "Minimal Cues for Separating /w, r, l, y/ in Intervocalic Position." *Word*, 13, pp. 257-267.
- Lotz, J., A.S. Abramson, L.J. Gerstman, F. Ingemann, and W. Nemser (1960). "The Perception of English Stops by Speakers of English, Spanish, Hungarian, and Thai: A Tape-Cutting Experiment." *Language and Speech*, 3, pp. 71-77.
- Lushchikina, I.M. (1965). "Using Yngve's Hypothesis on Phrase Structure in a Study of Speech Perception." *Voprosy Psikhologii*, No. 2, pp. 57-66. Translation: U.S. Joint Publications Research Service, JPRS 31062, pp. 29-39, July 13, 1965, Washington, D.C.
- Malécot, A. (1956). "Acoustic Cues for Nasal Consonants." *Language*, 32, pp. 274-284.

- Miller, G.A. (1956). "The Perception of Speech." In M. Halle (ed.), *For Roman Jakobson*, pp. 353-359. 's-Gravenhage: Mouton & Co.
- Miller, G.A. (1962). "Decision Units in the Perception of Speech." *IRE Transactions on Information Theory*, 17-8, pp. 81-83.
- Miller, G.A., and P.E. Nicely (1955). "An Analysis of Perceptual Confusions Among Some English Consonants." *The Journal of the Acoustical Society of America*, 27, pp. 338-352. Reprinted in S. Saporta (ed.), *Psycholinguistics: A Book of Readings*, New York, 1961.
- Miller, G.A., G.A. Heise, and W. Lichten (1951). "The Intelligibility of Speech as a Function of the Context of the Test Materials." *Journal of Experimental Psychology*, 41, pp. 329-335.
- Miller, R.L. (1953). "Auditory Tests with Synthetic Vowels." *The Journal of the Acoustical Society of America*, 25, pp. 114-121.
- Nakato, K. (1959). "Synthesis and Perception of Nasal Consonants." *The Journal of the Acoustical Society of America*, 31, pp. 661-666.
- O'Connor, J.D., L.J. Gerstman, A.M. Liberman, P.C. Delattre, and F.S. Cooper (1957). "Acoustic Cues for the Perception of Initial /u, y, r, l/ in English." *Word*, 13, pp. 24-43.
- Öhman, S. (1962). "On the Perception of Swedish Consonants in Intervocalic Position." *Report Number 25*. Stockholm, Sweden: The Speech Transmission Laboratory, The Royal Institute of Technology.
- Öhman, S.E.G. (1966). "Perception of Segments of VCCV Utterances." *The Journal of the Acoustical Society of America*, 40, pp. 979-988.
- Peterson, G.E. (1961). "Parameters of Vowel Quality." *Journal of Speech and Hearing Research*, 4, pp. 10-29.
- Saslow, M. (1958). *Reaction Time to Consonant-Vowel Syllables in Ensembles of Various Sizes*. Quarterly Progress Report, No. 50, pp. 143-144. Cambridge, Mass.: Research Laboratory of Electronics, Massachusetts Institute of Technology.

- Savin, H.B. (1963). "Word-Frequency Effect and Errors in the Perception of Speech." *The Journal of the Acoustical Society of America*, 35, pp. 200-206.
- Schatz, C. (1954). "The Role of Context in the Perception of Stops." *Language*, 30, pp. 47-56.
- Shankweiler, D., and M. Studdert-Kennedy (1967). "An Analysis of Perceptual Confusions in Identification of Dichotically Presented CVC Syllables." *The Journal of the Acoustical Society of America*, 41, 1581 (Abstract).
- Shankweiler, D., and M. Studdert-Kennedy (1967). "Identification of Consonants and Vowels Presented to Left and Right Ears." *Quarterly Journal of Experimental Psychology*, 19, pp. 59-63.
- Stevens, K.N. (1959). "Effect of Duration Upon Vowel Identification." *The Journal of the Acoustical Society of America*, 31, p. 109 (Abstract).
- Stevens, K.N. (1960). "Toward a Model for Speech Recognition." *The Journal of the Acoustical Society of America*, 32, pp. 47-55.
- Stevens, K.N. (1966) (in press). "On the Relations Between Speech Movements and Speech Perception." Paper presented at the XVIII International Congress of Psychology, Moscow, August. *Zeitschrift für Phonetik, Sprachwissenschaft und Kommunikationsforschung*.
- Stevens, K.N., and M. Halle (1967). "Remarks on Analysis by Synthesis and Distinctive Features." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 88-102. Cambridge, Mass.: The MIT Press.
- Stevens, K.N., and A.S. House (1968). "Speech Perception." In J. Tobias and E. Schubert (eds.), *Foundations of Modern Auditory Theory*. New York: Academic Press.
- Stevens, K.N., S.E.G. Öhman, and A.M. Liberman (1963). "Identification and Discrimination of Rounded and Unrounded Vowels." *The Journal of the Acoustical Society of America*, 35, p. 1900 (Abstract). (To appear in *Language and Speech*, 1968)
- Stevens, K.N., S.E.G. Öhman, M. Studdert-Kennedy, and A.M. Liberman (1964). "Cross-Linguistic Study of Vowel Discrimination." *The Journal of the Acoustical Society of America*, 36, p. 1989 (Abstract).

- Studdert-Kennedy, M., A.M. Liberman, and K.N. Stevens (1963). "Reaction Time to Synthetic Stop Consonants and Vowels at Phoneme Centers and at Phoneme Boundaries." *The Journal of the Acoustical Society of America*, 35, p. 1900 (Abstract).
- Studdert-Kennedy, M., A.M. Liberman, and K.N. Stevens (1964). "Reaction Time During the Discrimination of Synthetic Stop Consonants." *The Journal of the Acoustical Society of America*, 36, p. 1989 (Abstract).
- Swigart, E., and Y. Takefuta (1967). "The Produced and Perceived Pitch of American English Vowels." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 273-277. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Treisman, A.M. (1960). "Contextual Cues in Selective Listening." *Quarterly Journal of Experimental Psychology*, 12, pp. 242-248.
- Treisman, A.M. (1964). "Verbal Cues, Language, and Meaning in Selective Attention." *American Journal of Psychology*, 77, pp. 206-219.
- Wickelgren, W.A. (1965). "Distinctive Features and Errors in Short-Term Memory for English Vowels." *The Journal of the Acoustical Society of America*, 38, pp. 583-588.
- Wickelgren, W.A. (1965). "Similarity and Intrusion Errors in Short-Term Memory." *Journal of Experimental Psychology*, 70, pp. 102-108.
- Wickelgren, W.A. (1965). "Similarity and Intrusions in Short-Term Memory for Consonant-Vowel Diagrams." *Quarterly Journal of Experimental Psychology*, 17, pp. 241-246.
- Wickelgren, W.A. (1966). "Distinctive Features and Errors in Short-Term Memory for English Consonants." *The Journal of the Acoustical Society of America*, 39, pp. 388-398.
- Wilson, K. (1963). "Multidimensional Analyses of Confusions of English Consonants." *American Journal of Psychology*, 76, pp. 89-95.

SECTION VI: AUTOMATIC SPEECH RECOGNITION

- Alter, R. (1967). "Utilization of Contextual Constraints in Automatic Speech Recognition." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 131-135. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Groups.
- Bobrow, D.G., and D.H. Klatt (1968). *A Limited Speech Recognition System*, Report No. 1667. Cambridge, Mass.: Bolt Beranek and Newman Inc. Also in *Proceedings of the Fall Joint Computer Conference, 1968*. Washington, D.C.: Thompson Press.
- Davis, K.H., H.R. Biddolph, and S. Balashek (1952). "Automatic Recognition of Spoken Digits." *The Journal of the Acoustical Society of America*, 24, pp. 637-642.
- Denes, P. (1959). "The Design and Operation of the Mechanical Speech Recognizer at University College, London." *Journal of the British Institute of Radio Engineers*, 19, pp. 219-229.
- Denes, P., and M. Mathews (1960). "Spoken Digit Recognition Using Time-Frequency Pattern Matching." *The Journal of the Acoustical Society of America*, 32, pp. 1450-1455.
- Dudley, H., and S. Balashek (1958). "Automatic Recognition of Phonetic Patterns in Speech." *The Journal of the Acoustical Society of America*, 30, pp. 721-732.
- Fatchchand, R. (1960). "Machine Recognition of Spoken Words." In F.L. Alt (ed.), *Advances in Computers*, Vol. 1, pp. 193-229. New York: Academic Press.
- Forgie, J.W., and C.D. Forgie (1959). "Results Obtained from a Vowel Recognition Computer Program." *The Journal of the Acoustical Society of America*, 31, pp. 1480-1489.
- Forgie, J.W., and C.D. Forgie (1962). "A Computer Program for Recognizing the English Fricative Consonants /f/ and /θ/." Paper presented at the Fourth International Congress on Acoustics, Munster, Germany, August.

- Fry, D.B., and P. Denes (1958). "The Solution of Some Fundamental Problems in Mechanical Speech Recognition." *Language and Speech*, 1, pp. 35-58.
- Gerstman, L.J. (1967). "Classification of Self-Normalized Vowels." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 97-100. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Gold, P. (1966). *Word Recognition Computer Program*. Technical Report No. 452. Cambridge, Mass.: Research Laboratory of Electronics, Massachusetts Institute of Technology.
- Hemdal, J., and G. Hughes (1964). "A Feature Based Computer Recognition Program for the Modeling of Vowel Perception." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 440-453. Cambridge, Mass.: The MIT Press.
- Hughes, G.W. (1961). *The Recognition of Speech by Machine*. Technical Report No. 395. Cambridge, Mass.: Research Laboratory of Electronics, Massachusetts Institute of Technology.
- Kersta, L.G. (1962). "Voiceprint Identification." *Nature*, 196, pp. 1253-1257.
- Kersta, L.G. (1962). "Voiceprint Identification." *The Journal of the Acoustical Society of America*, 34, p. 725 (Abstract).
- Kersta, L.G. (1967). "Automated Talker Identification by Quantized Spectrography." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 100-103. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Martin, T.B., A. Nelson, H. Zadell, and R. Ccx (1966). *Continuous Speech by Feature Abstraction*. DDC Report No. AFAL-78-66-189. Camden, N.J.: Radio Corporation of America.
- Morton, J., and D.E. Broadbent (1967). "Passive Versus Active Recognition Models or is Your Homunculus Really Necessary?" In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 103-110. Cambridge, Mass.: The MIT Press.

- Nelson, A.L., M.B. Herscher, T.B. Martin, H.J. Zadell, and J.W. Falter (1967). "Acoustic Recognition by Analog Feature-Abstraction Techniques." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 428-440. Cambridge, Mass.: The MIT Press.
- Olson, H.F., and H. Belar (1956). "Phonetic Typewriter." *The Journal of the Acoustical Society of America*, 28, pp. 1072-1081.
- Peterson, G.E. (1961). "Automatic Speech Recognition Procedures." *Language and Speech*, 4, pp. 200-219.
- Reddy, D.R. (1966). *An Approach to Computer Speech Recognition by Direct Analysis of the Speech Wave*. Technical Report No. C549. Palo Alto, Calif.: Computer Science Department, Stanford University.
- Reddy, D.R. (1967). "Computer Recognition of Connected Speech." *The Journal of the Acoustical Society of America*, 42, pp. 329-347.
- Reddy, D.R. (1967). "Phoneme Grouping for Speech Recognition." *The Journal of the Acoustical Society of America*, 41, pp. 1295-1300.
- Sakai, T., and S. Doshita (1963). "The Phonetic Typewriter." In C.M. Popplewell (ed.), *Information Processing 1962*, Proceedings of the IFIP Congress, 62, pp. 445-449. Amsterdam: North-Holland Publishing Co.
- Schroeder, M.R. (1968). "Similarity Measure for Automatic Speech and Speaker Recognition." *The Journal of the Acoustical Society of America*, 43, pp. 375-376.
- Sebestyen, G.S. (1961). "Recognition of Membership in Classes." *IRE Transactions on Information Theory*, IT-6, pp. 44-50.
- Shearme, J.N., and P.F. Leach (1967). "Some Experiments with a Simple Word Recognition System." *1967 Conference on Speech Communication and Processing*, 6-8 November, Paper No. B17. (This paper does not appear in the Conference preprints.) Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research. United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.

- Stevens, K.N. (1960). "Toward a Model for Speech Recognition." *The Journal of the Acoustical Society of America*, 32, pp. 47-55.
- Stevens, K.N. (in press). "The Quantal Nature of Speech: Evidence from Articulatory-Acoustic Data." In E.E. David and P.B. Denes (eds.), *Human Communication: A Unified View*. New York: McGraw-Hill.
- Stevens, K.N., and M.M. Klatt (1968). *Study of Acoustic Properties of Speech Sounds*. Report No. 1669. Cambridge, Mass.: Bolt Beranek and Newman Inc.
- Talbert, L.R., et al. (1963). *A Real-Time Adaptive Speech-Recognition System*. Technical Report No. 6760-1, ASD-TDR-63-660. Palo Alto, Calif.: Systems Theory Laboratory, Stanford Electronics Laboratories, Stanford University.
- Tappert, C.C. (1966). *On the Neural Modeling of Speech Processes*, Report No. 9. Ithaca, N.Y.: Cognitive Systems Research Program, Cornell University.

SECTION VII: SPEECH SYNTHESIS

- Bakis, R. (1967). "Prosodic Feature Synthesis for Word-Segmented Messages." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 16-23. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Buron, R. (1967). "Generation of a 1000 Word Vocabulary for a Pulse Excited Vocoder Operating as an Audio Response Unit." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 2-5. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Coker, C.H. (1967). "Synthesis by Rule from Articulatory Parameters." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 52-53. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Cooper, F.S., A.M. Liberman, L. Lisker, and J. Gaitenby (1963). "Speech Synthesis by Rules." *Proceedings of the Speech Communication Seminar*, Stockholm, 1962. Stockholm, Sweden: The Royal Institute of Technology.
- Delattre, P.C., A.M. Liberman, and F.S. Cooper (1951). "Voyelles Synthétiques à deux Formants et Voyelles Cardinales." *Le Maître Phonétique*, 96, pp. 30-37.
- Dennis, J.B. (1963). "Computer Control of an Analog Vocal Tract." *Proceedings of the Speech Communication Seminar*, Stockholm, 1962. Stockholm, Sweden: The Royal Institute of Technology.
- Dixon, N.R., and H.D. Maxey (1967). "Terminal Analog Synthesis of Continuous Speech using the Diphone Method of Segment Assembly." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 6-15. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.

- Dudley, H., R.R. Riesz, and S.A. Watkins (1939). "A Synthetic Speaker," *Journal of Franklin Institute*, 227, pp. 739-764.
- Fant, G., J. Mártony, U. Rengman, and A. Risberg (1963). "OVE II Synthesis Strategy." *Proceedings of the Speech Communication Seminar*, Stockholm, 1962. Stockholm, Sweden: The Royal Institute of Technology.
- Flanagan, J.L., and L. Landgraf (1967). "Self-Oscillating Source for Vocal-Tract Synthesizers." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 54-62. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Haggard, M.P., and I.P. Mattingly (1967). "A Simple Program for Synthesizing British English." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 35-38. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Henke, W. (1967). "Preliminaries to Speech Synthesis Based Upon an Articulatory Model." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 170-176. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Holmes, J.N., I. G. Mattingly, and J.N. Shearme (1964). "Speech Synthesis by Rule." *Language and Speech*, 7, p. 127.
- Hecker, M.H.L. (1962). "Studies of Nasal Consonants with an Articulatory Speech Synthesizer." *The Journal of the Acoustical Society of America*, 34, pp. 179-188.
- Hiki, S., and J. Oizumi (1967). "Controlling Rules of Prosodic Features for Continuous Speech Synthesis." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 23-26. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- House, A.S. (1957). "Analog Studies of Nasal Consonants." *Journal of Speech and Hearing Disorders*, 22, pp. 190-204.

- House, A.S., and K.N. Stevens (1956). "Analog Studies of the Nasalization of Vowels." *Journal of Speech and Hearing Disorders*, 21, pp. 218-232.
- Kelly, J.L., Jr., and C. Lochbaum (1963). "Speech Synthesis." *Proceedings of the Speech Communication Seminar*, Stockholm, 1962. Stockholm, Sweden: The Royal Institute of Technology.
- Lawrence, W. (1960). "Parametric Artificial Talking Device." *The Journal of the Acoustical Society of America*, 32, p. 1500 (Abstract).
- Lawrence, W. (1964). "Role of Synthetic Speech in Speech Research." *The Journal of the Acoustical Society of America*, 36, p. 1022 (Abstract).
- Liberman, A.M., F. Ingemann, L. Lisker, P.C. Delattre, and F.S. Cooper (1959). "Minimal Rules for Synthesizing Speech." *The Journal of the Acoustical Society of America*, 31, pp. 1490-1499.
- Liljencrants, J. (1967). "The OVE III Speech Synthesizer." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 27-30. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group."
- Mattingly, I.P. (1967). "Experimental Methods for Speech Synthesis by Rule." *1967 Conference on Speech Communication and Processing*, 6-8 November, pp. 31-34. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Öhman, S.E.G. (1964). "Numerical Model for Coarticulation Using a Computer-Simulated Vocal Tract." *The Journal of the Acoustical Society of America*, 36, p. 1038 (Abstract).
- Olson, H.F. (1964). "Speech Processing Systems." *IEEE Spectrum*, No. 2, Feb., pp. 90-102.
- Peterson, G.E., and E. Sivertsen (1960). "Objectives and Techniques of Speech Synthesis." *Language and Speech*, 3, pp. 84-95.

- Peterson, G.E., W.S.-Y. Wang, and E. Sivertsen (1958). "Segmentation Techniques in Speech Synthesis." *The Journal of the Acoustical Society of America*, 30, pp. 739-742.
- Rabiner, L. (1967). "Speech Synthesis by Rule: An Acoustic Domain Approach." *1967 Conference on Speech Communication and Processing, 6-8 November*, pp. 39-51. Bedford, Mass.: Air Force Cambridge Research Laboratories, Office of Aerospace Research, United States Air Force, L.G. Hanscom Field, and IEEE Audio and Electroacoustics Group.
- Rabiner, L.R. (1968). "Digital-Formant Synthesizer for Speech-Synthesis Studies." *The Journal of the Acoustical Society of America*, 43, pp. 822-828.
- Rabiner, L.R. (1968). "Speech Synthesis by Rule: An Acoustic Domain Approach." *Bell System Technical Journal*, 47, pp. 17-37.
- Posen, G. (1958). "Dynamic Analog Speech Synthesizer." *The Journal of the Acoustical Society of America*, 30, pp. 201-209.
- Sivertsen, E. (1961). "Segment Inventories for Speech Synthesis." *Language and Speech*, 4, pp. 27-61.

SECTION VIII: SEMANTICS

- Abraham, L. (1936). "What is the Theory of Meaning About?" *The Monist*, 46, pp. 228-256.
- Abraham, S., and F. Kiefer (1966). *A Theory of Structural Semantics*. The Hague: Mouton & Co.
- Amster, H. (1964). "Semantic Satiation and Generation: Learning? Adaptation?" *Psychological Bulletin*, 62, pp. 273-286.
- Antal, L. (1963). *Questions of Meaning*. The Hague: Mouton & Co.
- Antal, L. (1964). *Content, Meaning, and Understanding*. The Hague: Mouton & Co.
- Bendix, E.H. (1966). "Componential Analysis of General Vocabulary: The Semantic Structure of a Set of Verbs in English, Hindi, and Japanese." *International Journal of American Linguistics*, 32.
- Berlyne, D.E. (1966). "Mediating Responses: A Note on Fodor's Criticisms." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 408-411.
- Bever, T.G., J.A. Fodor, and M. Garrett (1968). "A Formal Limitation of Associationism." In T.R. Dixon and D.L. Horton (eds.), *Verbal Behavior and General Behavior Theory*, pp. 582-585. Englewood Cliffs, N.J.: Prentice-Hall.
- Bierwisch, M. (1967). "Some Semantic Universals of German Adjectives." *Foundations of Language*, 3, pp. 1-36.
- Bolinger, D. (1965). "The Atomization of Meaning." *Language*, 41, pp. 555-573. Reprinted in L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, Englewood Cliffs, N.J.: Prentice-Hall, 1967.
- Braine, M.S.D. (1963). "On Learning the Grammatical Order of Words." *Psychological Review*, 70, pp. 323-348.
- Carroll, J.B. (1957). "A Review of *The Measurement of Meaning*, by C.E. Osgood, G.J. Suci, and P.H. Tannenbaum." *Language*, 35, pp. 58-77.

- Carroll, J.B. (1964). "Words, Meanings and Concepts." *Harvard Educational Review*, 34, pp. 178-202.
- Creelman, M.B. (1966). *The Experimental Investigation of Meaning*. New York: Springer Publishing Company.
- Deese, J. (1962). "On the Structure of Associative Meaning." *Psychological Review*, 69, pp. 161-175.
- Deese, J. (1965). *The Structure of Associations in Language and Thought*. Baltimore, Md.: Johns Hopkins Press.
- Deese, J. (1967). "Meaning and Change of Meaning." *American Psychologist*, 22, pp. 641-651.
- Ervin, S.M. (1961). "Semantic Shift in Bilingualism." *American Journal of Psychology*, 74, pp. 233-241.
- Ervin, S.M. (1962). "The Connotations of Gender." *Word*, 18, pp. 249-261.
- Fillmore, C.J. (1965). "Entailment Rules in a Semantic Theory." In W. S.-Y. Wang (principal investigator), *Project on Linguistic Analysis*, Report No. 10, pp. 60-82. Columbus, Ohio: The Ohio State University Research Foundation.
- Flavell, J.H. (1961). "Meaning and Meaning Similarity: I. A Theoretical Reassessment." *Journal of General Psychology*, 64, pp. 307-319.
- Flavell, J.H. (1961). "Meaning and Meaning Similarity: II. The Semantic Differential and Co-Occurrence as Predictors of Judged Similarity in Meaning." *Journal of General Psychology*, 64, pp. 321-335.
- Fodor, J.A. (1965). "Could Meaning be an r_m ?" *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 73-81.
- Fodor, J.A. (1966). "More About Mediators: A Reply to Berlyne and Osgood." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 412-415.
- Goodenough, W.H. (1956). "Componential Analysis and the Study of Meaning." *Language*, 32, pp. 195-216.
- Hammel, E.A. (ed.) (1965). "Formal Semantic Analysis." *American Anthropologist*, 67, No. 5, Part 2.

- Howe, E.S. (1966). "Associative Structure of Quantifiers." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 157-162.
- Howe, E.S. (1966). "Verb Tense, Negatives, and Other Determinants of the Intensity of Evaluative Meaning." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 147-155.
- Jakobson, R. (1959). "Boas' View of Grammatical Meaning." *American Anthropologist*, 61, pp. 139-145.
- Jenkins, J.J. (1965). "Mediation Theory and Grammatical Behavior." In S. Rosenberg (ed.), *Directions in Psycholinguistics*, pp. 66-96. New York: The Macmillan Company.
- Katz, J.J. (1964). "Analyticity and Contradiction in Natural Language." In J.A. Fodor and J.J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*, pp. 519-543. Englewood Cliffs, N.J.: Prentice-Hall.
- Katz, J.J. (1966). *The Philosophy of Language*. New York: Harper and Row.
- Katz, J.J. (1967). "Recent Issues in Semantic Theory." *Foundations of Language*, 3, pp. 124-194.
- Katz, J.J. (1967). "Some Remarks on Quine on Analyticity." *Journal of Philosophy*, 64, pp. 29-35.
- Katz, J.J. (in press). "Innate Ideas." In T.G. Bever and W. Wexler (eds.), *Studies in Psycholinguistics*. New York: Holt, Rinehart and Winston. Also in *The Philosophy of Language*, pp. 240-282. New York: Harper and Row, 1966.
- Katz, J.J., and J.A. Fodor (1963). "The Structure of a Semantic Theory." *Language*, 39, pp. 170-210. Reprinted in J.A. Fodor and J.J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1964.
- Katz, J.J., and P. Postal (1964). *An Integrated Theory of Linguistic Descriptions*. Cambridge, Mass.: The MIT Press.
- Kiefer, F. (1966). "Some Semantic Relations in Natural Language." *Foundations of Language*, 2, pp. 228-240.
- Laffal, J. (1965). *Pathological and Normal Language*. New York: Atherton.

- Lamb, S.M. (1964). "The Semantic Approach to Structural Semantics." In A.K. Romney and R.G. D'Andrade (eds.), *Transcultural Studies in Cognition; American Anthropologist*, 66, No. 3, Part 2, pp. 57-58.
- Levelt, W.J.M. (1967). *Semantic Features: A Psychological Model and Its Mathematical Analysis*. Urbana: Center for Comparative Psycholinguistics, University of Illinois.
- Luria, A.R., and O.S. Vinogradova (1959). "An Objective Investigation of the Dynamics of Semantic Systems." *British Journal of Psychology*, 50, pp. 89-105.
- Miller, G.A. (1967). "Psycholinguistics and Communication." In D.L. Arm (ed.), *Journeys in Science*. Albuquerque: University of New Mexico Press.
- Morris, C. (1946). *Signs, Language, and Behavior*. Englewood Cliffs, N.J.: Prentice-Hall.
- Motsch, W. (1965). "Grammar and Semantics." *Foundations of Language*, 1, pp. 122-127.
- Noble, C.E. (1967). "An Analysis of Meaning." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 449-460. Englewood Cliffs, N.J.: Prentice-Hall.
- Ogden, C.K., and I.A. Richards (1945). *The Meaning of Meaning*. Seventh Edition (Original edition, 1923). New York: Harcourt Brace.
- Osgood, C.E. (1952). "The Nature and Measurement of Meaning." *Psychological Bulletin*, 49, pp. 197-237.
- Osgood, C.E. (1959). "Semantic Space Revisited." *Word*, 15, pp. 192-201.
- Osgood, C.E. (1963). "On Understanding and Creating Sentences." *American Psychologist*, 18, pp. 735-751.
- Osgood, C.E. (1964). "Semantic Differential Technique in the Comparative Study of Cultures." In A.K. Romney and R.G. D'Andrade (eds.), *Transcultural Studies in Cognition, American Anthropologist*, 66, No. 3, Part 2.
- Osgood, C.E. (1966). "Meaning cannot be r_m ?" *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 402-407.

- Osgood, C.E. (1968). "Toward a Wedding of Insufficiencies." In T.R. Dixon and D.L. Horton (eds.), *Verbal Behavior and General Behavior Theory*, pp. 495-519. Englewood Cliffs, N.J.: Prentice-Hall.
- Osgood, C.E., G.J. Suci, and P.H. Tannebaum (1957). *The Measurement of Meaning*. Urbana: University of Illinois Press.
- Quillian, M.R. (1966). *Semantic Memory*. Report No. 1352. Cambridge, Mass.: Bolt Beranek and Newman Inc.
- Quine, W.V.O. (1960). *Word and Object*. Cambridge, Mass.: The MIT Press.
- Quine, W.V.O. (1967). "On a Suggestion of Katz." *Journal of Philosophy*, 64, pp. 52-54.
- Shanmugam, A.V., and M.S. Miron (1966). "Semantic Effects in Mediated Transfer." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 361-368.
- Sparck Jones, K. (1965). *Semantic Markers*. M. L. 181. Cambridge, England: Cambridge Language Research Unit.
- Stern, G. (1965). *Meaning and Change of Meaning*. (Original edition, 1931.) Bloomington: University of Indiana Press.
- Ullmann, S. (1957). *The Principles of Semantics*. New York: Barnes and Noble.
- Ullmann, S. (1962). *Semantics, An Introduction to the Science of Meaning*. Oxford, England: Blackwell.
- Ullmann, S. (1963). "Semantic Universals." In J.H. Greenberg (ed.), *Universals of Language*. Cambridge, Mass.: The MIT Press.
- Wallace, A., and J. Atkins (1960). "The Meanings of Kinship Terms." *American Anthropologist*, 62, pp. 58-80.
- Weinreich, U. (1958). "Travels Through Semantic Space." *Word*, 14, pp. 346-366.
- Weinreich, U. (1966). "Explorations in Semantic Theory." In T.A. Sebeok (ed.), *Current Trends in Linguistics*, Vol. III. The Hague: Mouton & Co.

- Werner, H., and B. Kaplan (1963). *Symbol Formation*. New York: Wiley.
- Wertheimer, M. (1958). "The Relation Between the Sound of a Word and Its Meaning." *American Journal of Psychology*, 71, pp. 412-415.
- Whorf, B.L. (1941). "The Relation of Habitual Thought and Behavior to Language." In L. Spier (ed.), *Language, Culture, and Personality*. Manasha, Wis.: Sapir Memorial Publications Fund.
- Wilson, N.L. (1967). "Linguistical Butter and Philosophical Parsnips." *Journal of Philosophy*, LXIV, pp. 55-67.
- Ziff, P. (1960). *Semantic Analysis*. Ithaca, N.Y.: Cornell University Press.

SECTION IX: PSYCHOLOGICAL REALITY OF LINGUISTIC MODELS

- Bever, T.G. (1968). "Associations to Stimulus-Response Theories of Language." In T.R. Dixon and D.L. Horton (eds.), *Verbal Behavior and General Behavior Theory*, pp. 478-494. Englewood Cliffs, N.J.: Prentice-Hall.
- Bever, T.G., J.A. Fodor, and M. Garrett (1967). "Speech Perception: Some Experimental Results for Sentences." Paper presented to The International Congress of Psychology, Moscow.
- Bever, T.G., J.A. Fodor, and W. Weksel (1967). "On the Acquisition of Syntax: A Critique of Contextual Generalization." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 257-273. Englewood Cliffs, N.J.: Prentice-Hall.
- Bever, T.G., J.A. Fodor, and W. Weksel (1967). "Is Linguistics Empirical?" In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 285-293. Englewood Cliffs, N.J.: Prentice-Hall.
- Bever, T.G., R. Kirk, and R. Squire (1965) (unpublished research). "The Effect of Syntax on Judgments of Occurrence of Light Flashes During Auditory Presentation of Sentences." Cambridge, Mass.: Massachusetts Institute of Technology.
- Bever, T.G., J.A. Fodor, M. Garrett, and J. Mehler (1966) (unpublished research). "Transformational Operations and Stimulus Complexity." Cambridge, Mass.: Massachusetts Institute of Technology.
- Blumenthal, A.L. (1966). "Observations with Self-Embedded Sentences." *Psychonomic Science*, 6, pp. 453-454.
- Blumenthal, A.L. (1967). "Prompted Recall of Sentences." *Journal of Verbal Learning and Verbal Behavior*, 6, pp. 203-206.
- Blumenthal, A.L., and R. Boakes (1965). *Prompted Recall of Sentences: A Further Study*. Technical Report. Cambridge, Mass.: Harvard Center for Cognitive Studies.
- Braine, M.D.3. (1966). "Learning the Positions of Words Relative to a Marker Element." *Journal of Experimental Psychology*, 72, pp. 532-540.

- Braine, M.S. (1967). "On the Basis of Phrase Structure: A Reply to Bever, Fodor, and Wexsel." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 274-284. Englewood Cliffs, N.J.: Prentice-Hall.
- Braine, M.S. (1967). "On Learning the Grammatical Order of Words." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 232-256. Englewood Cliffs, N.J.: Prentice-Hall.
- Carey, S. (1964). *The Syntactic and Referential Aspects of Linguistic Encoding*. Senior Honors thesis, Harvard University.
- Clark, H.H. (1966). "The Prediction of Recall Patterns in Simple Active Sentences." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 99-106.
- Clifton, C., and P. Odom (1966). "Similarity Relations Among Certain English Sentence Constructions." *Psychological Monographs: General and Applied*, 80, No. 5.
- Clifton, C., I. Kurcz, and J.J. Jenkins (1965). "Grammatical Relations as Determinants of Sentence Similarity." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 112-117.
- Coleman, E.B. (1964). "The Comprehensibility of Several Grammatical Transformations." *Journal of Applied Psychology*, 43, pp. 186-190.
- Coleman, E.B. (1965). "Response to a Scale of Grammaticalness." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 521-527.
- Coleman, E.B., and J.P. Blumenfeld (1963). "Close Scores of Nominalizations and Their Grammatical Transformations Using Active Verbs." *Psychological Reports*, 13, pp. 651-654.
- Epstein, W. (1961). "The Influence of Syntactical Structure on Learning." *American Journal of Psychology*, 74, pp. 80-85.
- Epstein, W. (1962). "A Further Study of the Influence of Syntactical Structure on Learning." *American Journal of Psychology*, 75, pp. 121-126.
- Foa, U.C., and I.M. Schlesinger (1965) (unpublished paper). "Syntactical Errors in Sentence Recall: A Re-Analysis of Mehler's Data." Israel Institute of Applied Social Research, Jerusalem.

- Fodor, J.A., and T.G. Bever (1965). "The Psychological Reality of Linguistic Segments." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 414-420. Reprinted in L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1967.
- Fodor, J.A., J.J. Jenkins, and S. Saporta (1965) (unpublished paper). "Some Tests of Implications from Transformational Grammar." Center for Advanced Study, Palo Alto, Calif.
- Forster, K.I. (1966). "The Effect of Syntactic Structure on Non-Ordered Recall." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 292-297.
- Forster, K.I. (1966). "Left-to-Right Processes in the Construction of Sentences." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 285-291.
- Garrett, M. (1965). *Syntactic Structures and Judgments of Auditory Events*. Unpublished Doctoral dissertation, University of Illinois, Urbana.
- Garrett, M., and J.A. Fodor (1968). "Psychological Theories and Linguistic Constructs." In T.R. Dixon and D.L. Horton (eds.), *Verbal Behavior and General Behavior Theory*, pp. 451-477. Englewood Cliffs, N.J.: Prentice-Hall.
- Garrett, M., T.G. Bever, and J.A. Fodor (1966). "The Active Use of Grammar in Speech Perception." *Perception and Psychophysics*, 1, pp. 30-32.
- Goldman-Eisler, F. (1967). "Sequential Temporal Patterns and Cognitive Processes in Speech." *Language and Speech*, 10, pp. 122-132.
- Gough, P.B. (1965). "Grammatical Transformations and Speed of Understanding." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 107-111.
- Gough, P.B. (1966). "The Verification of Sentences: The Effects of Delay of Evidence and Sentence Length." *Journal of Verbal Behavior*, 5, pp. 492-496.
- Henderson, A., F. Goldman-Eisler, and A. Skarbek (1966). "Sequential Temporal Patterns in Spontaneous Speech." *Language and Speech*, 9, pp. 207-216.

- Johnson, N.F. (1965). "Linguistic Models and Functional Units of Language Behavior." In S. Rosenberg (ed.), *Directions in Psycholinguistics*, pp. 66-96. New York: The Macmillan Company.
- Johnson, N.F. (1965). "The Psychological Reality of Phrase-Structure Rules." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 469-475.
- Johnson, N.F. (1966). "The Influence of Associations Between Elements of Structured Verbal Responses." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 369-394.
- Johnson, N.F. (1966). "On the Relationship Between Sentence Structure and the Latency in Generating the Sentence." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 375-380.
- Johnson, N.F. (1968). "Sequential Verbal Behavior." In T.R. Dixon and D.L. Horton (eds.), *Verbal Behavior and General Behavior Theory*, pp. 421-450. Englewood Cliffs, N.J.: Prentice-Hall.
- Kent, G. (1963) (unpublished paper). *The Influence of Syntactic Context on Interpretation of Discourse*. Institute of Communications Research, University of Illinois, Urbana.
- Kirk, R., J. Lackner, and T.G. Bever (1965) (unpublished paper). *An Experiment in the Effect of Syntactic Structures in Speech Perception*. Massachusetts Institute of Technology, Cambridge.
- Koplin, J.H., and J. Davis (1966). "Grammatical Transformations and Recognition Memory of Sentences." *Psychonomic Science*, 6, pp. 257-258.
- MacKay, D.G. (1966). "To End Ambiguous Sentences." *Perception and Psychophysics*, 1, pp. 426-436.
- MacLay, H., and M.D. Sleator (1960). "Responses to Language: Judgments of Grammaticalness." *International Journal of American Linguistics*, 24, pp. 275-282.
- Marks, L.E. (1967). "Judgments of Grammaticalness of Some English Sentences and Semi-Sentences." *American Journal of Psychology*, 80, pp. 195-204.
- Marks, L.E., and G.A. Miller (1964). "The Role of Semantic and Syntactic Constraints in the Memorization of English Sentences." *Journal of Verbal Learning and Verbal Behavior*, 1, pp. 1-5.

- Martin, E. (1965). "An Explanation of Grammatical Factors in Sentence Retention: Amount vs. Kind of Structure." Paper read at The Midwest Psychological Association, Chicago, Illinois.
- Martin, E., and K.H. Roberts (1966). "Grammatical Factors in Sentence Retention." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 211-218.
- McMahon, L.E. (1963). *Grammatical Analysis as Part of Understanding a Sentence*. Unpublished Doctoral dissertation, Harvard University.
- Mehler, J. (1963). "Some Effects of Grammatical Transformations on the Recall of English Sentences." *Journal of Verbal Learning and Verbal Behavior*, 2, pp. 346-351.
- Mehler, J. (1964). *How Some Sentences are Remembered*. Unpublished Doctoral dissertation, Harvard University.
- Mehler, J., and T.G. Bever (in press). "Sentences can be Memorized in Terms of Their Underlying Structure." In T.B. Bever and W. Weksel (eds.), *The Structure and Psychology of Language*. New York: Holt, Rinehart & Winston.
- Mehler, J., and P. Carey (1967). "The Role of Surface and Base Structure in the Perception of Sentences." *Journal of Verbal Learning and Verbal Behavior*, 6, pp. 335-338.
- Mehler, J., and G.A. Miller (1964). "Retroactive Interference in the Recall of Simple Sentences." *British Journal of Psychology*, 55, pp. 295-301.
- Miller, G.A. (1962). "Some Psychological Studies of Grammar." *American Psychologist*, 17, pp. 748-762.
- Miller, G.A., and S. Isard (1963). "Some Perceptual Consequences of Linguistic Rules." *Journal of Verbal Learning and Verbal Behavior*, 2, pp. 217-228. Reprinted in L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1967.
- Miller, G.A., and S. Isard (1964). "Free Recall of Self-Embedded English Sentences." *Information and Control*, 7, pp. 292-303.
- Miller, G.A., and K. McKean (1964). "A Chronometric Study of Some Relations Between Sentences." *Quarterly Journal of Experimental Psychology*, 16, pp. 297-308.

- Miller, G.A., and J.A. Selfridge (1950). "Verbal Context and the Recall of Meaningful Material." *American Journal of Psychology*, 63, pp. 176-185.
- Miller, G.A., K. McKean, and D. Slobin (1962). "The Exploration of Transformations by Sentence Matching." *American Psychologist*, 17, pp. 748-762.
- Moran, M. (1965). *The Effect of Syntactic Structure on the Learning of Verbal Material*. Senior Honors thesis, Pennsylvania State University, University Park.
- Rothkopf, E.Z., and E.U. Coke (1966). "Variations in Phrasing, Repetition Intervals, and the Recall of Sentence Material." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 86-91.
- Sachs, J.S. (1966). *Short-Term Memory for Formal and Semantic Aspects of Sentences in Connected Discourse*. Unpublished Doctoral dissertation, University of California, Berkeley.
- Savin, H. (1962). *The Word Frequency Effect and Errors in the Perception of Speech*. Unpublished Doctoral dissertation, Harvard University.
- Savin, H., and E. Perchonock (1965). "Grammatical Structure and the Immediate Recall of English Sentences." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 343-353.
- Slobin, D.I. (1963). *Grammatical Transformations in Childhood and Adulthood*. Unpublished Doctoral dissertation, Harvard University.
- Slobin, D.I. (1966). "Grammatical Transformations and Sentence Comprehension in Childhood and Adulthood." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 219-227.
- Smith, F. (1965). "Reversal of Meaning as a Variable in the Transformation of Grammatical Sentences." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 39-43.
- Suci, G.J., P. Ammon, and P. Gamlin (1967). "The Validity of the Probe-Latency Technique for Assessing Structure in Language." *Language and Speech*, 10, pp. 69-80.
- Wason, P.C. (1961). "Response to Affirmative and Negative Binary Statements." *British Journal of Psychology*, 52, pp. 133-142.

SECTION X: AUTOMATIC SYNTACTIC ANALYSIS

- Abbott, R., and S. Kuro (1965). "The Predictive Analyzer and Context-Free Grammars." In *Mathematical Linguistics and Automatic Translation*, Report No. NSF-15. Cambridge, Mass.: Harvard Computation Laboratory, Harvard University.
- Blair, F. (1966). "Programming of the Tester." In *Specification and Utilization of a Transformational Grammar*, Scientific Report No. 1, AFCRL-66-270, Part III, March. Yorktown Heights, N.Y.: IBM Corporation.
- Bobrow, D.G. (1963). "Syntactic Analysis of English by Computer - A Survey." *AFIPS Conference Proceedings*, 24, pp. 365-387. Baltimore: Spartan.
- Bobrow, D.G. (1964). "Natural Language Input for a Computer Problem-Solving System." *AFIPS Conference Proceedings*, 2, Baltimore: Spartan.
- Detering, K. (1966). "Das Freiburger Programm zur Automatischen Syntaktischen Synthese." In K. Detering and H. Pilch (eds.), *Zweites Kolloquium über Syntax Natürlicher Sprachen und Datenverarbeitung* (Second Colloquium on Syntax of Natural Languages and Data Processing), pp. 107-117. Wiesbaden, Germany: Franz Steiner Verlag.
- Feigenbaum, E.A. (1963). "The Simulation of Verbal Learning Behavior." In E.A. Feigenbaum and J. Feldman (eds.), *Computers and Thought*, pp. 297-309. New York: McGraw-Hill.
- Friedman, J. (1965). *An Investigation of Surface Grammars*. Bedford, Mass.: The MITRE Corporation.
- Garvin, P.L. (1965). "Some Comments on Algorithm and Grammar in the Automatic Parsing of Natural Languages." In *A Syntactic Analyzer Study*, Final Report, July. Canoga Park, Calif.: The Bunker-Ramo Corporation.
- Greibach, S. (1963). "Inverses of Phrase Structure Generators." Doctoral thesis in *Mathematical Linguistics and Automatic Translation*, Report No. NSF-11. Cambridge, Mass.: Harvard Computation Laboratory, Harvard University.
- Greibach, S. (1964). "Formal Parsing Systems." *Communications of the ACM*, 7, pp. 346-353.

- Greibach, S. (1965) "A New Normal-Form Theorem for Context-Free Phrase Structure Grammars." *Journal of the ACM*, 12, pp. 42-52.
- Griffiths, T.V. (1964). "Turing Machine Recognizers for General Rewriting Systems." *Proceedings of the IEEE Symposium on Switching Circuit Theory and Logical Design*, November, Princeton, N.J., November, pp. 47-56.
- Griffiths, T.V., and S.R. Petrick (1965). "On the Relative Efficiencies of Context-Free Grammar Recognizers." *Communications of the ACM*, 8, pp. 289-300.
- Gross, L. (1966) (unpublished paper). "Design for a Computer Program to Simulate the Phonological Component of a Generative Grammar."
- Gross, M. (1964). "On the Equivalence of Models of Language Used in the Fields of Mechanical Translation and Information Retrieval." *Information Storage and Retrieval*, 2, pp. 43-57.
- Hays, D. (1962). "Automatic Language-Data Processing." In H. Borko (ed.), *Computer Applications in the Behavioral Sciences*, pp. 394-421. Englewood Cliffs, N.J.: Prentice-Hall.
- Hays, D.C. (1966). "Parsing." In D.G. Hays (ed.), *Readings in Automatic Language Processing*, pp. 73-82. New York: American Elsevier.
- Herringer, J., M. Weiler, and E. Hurd (1966). "The Immediate Constituent Analyzer." In A.G. Oettinger (principal investigator), *Mathematical Linguistics and Automatic Translation*, Report No. NSF-17, Section XI, pp. 1-47, August. Cambridge, Mass.: Harvard University.
- Irons, E.T. (1963). "An Error-Correcting Parse Algorithm." *Communications of the ACM*, 6, pp. 669-673.
- Johnson, N.F. (1964). "A Model of Sentence Generation." Paper read at the American Psychological Association, Los Angeles.
- Kay, M. (1966). *The Tabular Parser: A Parsing Program for Phrase Structure and Dependency*. Report No. RM-4933-PR, July. Santa Monica, Calif.: The RAND Corporation.

- Kuno, S. (1965). "The Predictive Analyzer and a Path Elimination Technique." *Communications of the ACM*, 8, pp. 453-462. Reprinted in D.G. Hays (ed.), *Readings in Automatic Language Processing*, pp. 83-106. New York: American Elsevier.
- Kuno, S. (1965). "A System for Transformational Analysis." In *Mathematical Linguistics and Automatic Translation*, Report No. NSF-15. Cambridge, Mass.: Harvard Computation Laboratory, Harvard University.
- Kuno, S. (1966). "The Augmented Predictive Analyzer for Context-Free Languages - Its Relative Efficiency - ." (To appear in *Communications of the ACM*.)
- Kuno, S., and A.G. Oettinger (1963). Syntactic Structure and Ambiguity of English." In *AFIPS Conference Proceedings*, 24, pp. 397-418. Baltimore: Spartan.
- Lieberman, D., D. Lochak, N. Metas, K. Ochel, and M. Carlson (1965). *Studies in Automatic Language Processing*, AFCRL-65-680, Final Report: March 1964 - June 1965, July. Yorktown Heights, N.Y.: IBM Corporation.
- Matthews, G.H. (1962). "Analysis by Synthesis of Sentences in a Natural Language." In *1961 International Conference on Machine Translation and Applied Language Analysis*. London, England: H.M. Stationery Office.
- Matthews, G.H. (1965). "Analysis by Synthesis in the Light of Recent Developments in the Theory of Grammar." *Kybernetika*, 1, pp. 271-280.
- McElwain, C.K., and M.B. Evans (1962). "The Degarbler - A Program for Correcting Machine-Read Morse Code." *Information and Control*, 5, pp. 368-384.
- Oettinger, A.G. (1965). "Automatic Processing of Natural and Formal Languages." *Proceedings of the IFIP Congress*, 65, pp. 9-16. Washington, D.C.: Spartan Books, Inc.
- Oettinger, A.G. (1965). "Computational Linguistics." *American Mathematical Monthly*, 72, pp. 147-150.
- Petrick, S.R. (1965). *A Recognition Procedure for Transformational Grammars*. Unpublished Doctoral thesis, Massachusetts Institute of Technology.

- Pierce, J.R. (chairman) (1966). *Language and Machines: Computers in Translation and Linguistics*. Automatic Language Processing Advisory Committee Report. Washington, D.C.: National Academy of Sciences, National Research Council, Publication No. 1416.
- Robinson, J. (1962). *Preliminary Codes and Rules for the Automatic Parsing of English*. Report No. RM-3339-PR. Santa Monica, Calif.: The RAND Corporation.
- Robinson, J. (1965). *PARSE: A System for Automatic Syntactic Analysis of English Text - Part I*. Report No. RM-4654-PR. Santa Monica, Calif.: The RAND Corporation.
- Sager, N. (1966). *A Syntactic Analyzer for Natural Language*. String Analysis Programs Report, Volume I, Section 1, March. Philadelphia: University of Pennsylvania.
- Saporta, S., A.L. Blumenthal, P. Lackowski, and D.G. Reiff (1965). "Grammatical Models and Language Learning." In S. Rosenberg (ed.), *Directions in Psycholinguistics*, pp. 15-28. New York: The Macmillan Company.
- Walker, D.E. (ed.) (1964). *English Preprocessor Manual*. Report No. SR-132. Bedford, Mass.: The MITRE Corporation.
- Walker, D.E., P.G. Chapin, M.L. Geis, and L.N. Gross (1966). *Recent Developments in the MITRE Syntactic Analysis Procedure*. Report No. MTP-11, June. Bedford, Mass.: The MITRE Corporation.
- Woods, W.A. (1966). "Semantic Interpretation of English Questions on a Structured Data Base." Paper presented at the Seminar in Mathematical Linguistics, Harvard Computation Laboratory, Harvard University, Cambridge, Massachusetts.
- Woods, W.A., and S. Kuno (1966). "A Recognition Procedure for Arbitrary Context-Free Grammar and the Upper-Bound of Recognition Time." In A.G. Oettinger (principal investigator), *Mathematical Linguistics and Automatic Translation*, Report No. NSF-17, Section X, August, pp. 1-26. Cambridge, Mass.: Harvard University.
- Zwicky, A., J. Friedman, B. Hall, and D. Walker (1965). *The MITRE Syntactic Analysis Routine for Transformational Grammars*. Information Systems Report No. 9. Bedford, Mass.: The MITRE Corporation.

SECTION XI: LANGUAGE ACQUISITION

- Asch, S.E., and H. Nerlove (1960). "The Development of Double Function Terms in Children: An Exploratory Investigation." In B. Kaplan and S. Wapner (eds.), *Perspectives in Psychological Theory: Essays in Honor of Heinz Werner*, pp. 47-60. New York: International University Press.
- Bellugi, U. (1964). "The Emergence of Inflections and Negation Systems in the Speech of Two Children." Paper read at The New England Psychological Association.
- Bellugi, U. (1964). "Review of Weir, R., *Language in the Crib*." *Harvard Educational Review*, 34, Spring, pp. 332-334.
- Bellugi, U. (1966) (unpublished paper). "The Development of Questions and Negatives in the Speech of Three Children." Harvard University.
- Bellugi, U. (1966) (unpublished paper). "Mechanisms Underlying Child Speech." Harvard University.
- Bellugi, U., and R. Brown (eds.) (1964). "The Acquisition of Language." *Monographs of the Society for Research in Child Development*, 29, Serial No. 92, No. 1, pp. 1-192.
- Berko, J. (1958). "The Child's Learning of English Morphology." *Word*, 14, pp. 150-177. Reprinted in S. Saporta (ed.), *Psycholinguistics: A Book of Readings*. New York: Holt, Rinehart and Winston, 1961.
- Bernstein, B. (1964). "Aspects of Language and Learning in the Genesis of the Social Process." In D.H. Hymes (ed.), *Language in Culture and Society: A Reader in Linguistics and Anthropology*, pp. 251-263. New York: Harper and Row.
- Bever, T.G., J.A. Fodor, and W. Weksel (1965). "On the Acquisition of Syntax: A Critique of 'Contextual Generalization'." *Psychological Review*, 72, pp. 467-482.
- Bever, T.G., J.A. Fodor, and W. Weksel (1965). "Is Linguistics Empirical?" *Psychological Review*, 72, pp. 493-500.
- Braine, M.D.S. (1963). "Grammatical Structure in the Speech of Two-Year Olds." *Proceedings of the Washington Linguistics Club*, Vol. 1, No. 1, Fall.

- Braine, M.D.S. (1963). "On Learning the Grammatical Order of Words." *Psychological Review*, 70, pp. 323-348.
- Braine, M.D.S. (1963). "The Ontogeny of English Phrase Structure: The First Phase." *Language*, 39, pp. 1-13.
- Braine, M.D.S. (1965). "On the Basis of Phrase Structure: A Reply to Bever, Fodor, and Wexsel (1965)." *Psychological Review*, 72, pp. 483-492.
- Brown, R. (1957). "Linguistic Determinism and the Part of Speech." *Journal of Abnormal and Social Psychology*, 55, pp. 1-5. Reprinted in S. Saporta (ed.), *Psycholinguistics: A Book of Readings*. New York: Holt, Rinehart and Winston, 1961.
- Brown, R. (1966) (unpublished paper). "The Dialogue in Early Childhood." Harvard University.
- Brown, R., and U. Bellugi (1964). "Three Processes in the Child's Acquisition of Syntax." *Harvard Educational Review*, 34, pp. 133-151. Reprinted in E. Lenneberg (ed.), *New Directions in the Study of Language*. Cambridge, Mass.: The MIT Press.
- Brown, R., and J. Berko (1967). "Word Association and the Acquisition of Grammar." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 294-304. Englewood Cliffs, N.J.: Prentice-Hall.
- Brown, R., and C. Fraser (1963). "The Acquisition of Syntax." In C.N. Cofer and B. Musgrave (eds.), *Verbal Behavior and Learning*, pp. 158-197. New York: McGraw-Hill. Also in U. Bellugi and R. Brown (eds.), *The Acquisition of Language*. Monographs of the Society for Research in Child Development, 29, (1), 1964.
- Burling, R. (1959). "Language Development of a Garo and English Speaking Child." *Word*, 15, pp. 45-68.
- Carroll, J.B. (1960). "Language Development in Children." In C. Harris (ed.), *Encyclopedia of Educational Research*. Third edition. New York: The Macmillan Company. Also in S. Saporta (ed.), *Psycholinguistics: A Book of Readings*. New York: Holt, Rinehart and Winston, 1961.
- Ervin, S.M. (1961). "Changes with Age in the Verbal Determinants of Word-Association." *American Journal of Psychology*, 74, pp. 361-372. Reprinted in L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*. Englewood Cliffs, N.J.: Prentice-Hall, 1967.

- Ervin, S.M. (1964). "Imitation and Structural Change in Children's Language." In E.H. Lenneberg (ed.), *New Directions in the Study of Language*, pp. 163-190. Cambridge, Mass.: The MIT Press.
- Ervin-Tripp, S.M. (1966). "Language Development." In L.W. Hoffman and M.L. Hoffman (eds.), *Review of Child Development Research*, Vol. 2, pp. 55-105. New York: Russell Sage Foundation.
- Ervin, S.M., and G. Foster (1960). "The Development of Meaning in Children's Descriptive Terms." *Journal of Abnormal and Social Psychology*, 61, pp. 271-275.
- Ervin, S.M., and W.R. Miller (1963). "Language Development." In *Child Psychology*, Sixty-Second Yearbook, Part I, National Society for the Study of Education, pp. 108-143. Chicago: University of Chicago Press.
- Flavell, J.H. (1963). *The Developmental Psychology of Jean Piaget*. Princeton, N.J.: Van Nostrand.
- Fodor, J.A. (1966). "How to Learn to Talk: Some Simple Ways." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 105-122. Cambridge, Mass.: The MIT Press.
- Fraser, C., U. Bellugi, and R. Brown (1963). "Control of Grammar in Imitation, Comprehension, and Production." *Journal of Verbal Learning and Verbal Behavior*, 2, pp. 121-135.
- Fry, D.B. (1966). "The Development of the Phonological System in the Normal and the Deaf Child." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 187-206. Cambridge, Mass.: The MIT Press.
- Gibson, E.J., h. Osser, and A.D. Pick (1963). "A Study in the Development of Grapheme-phoneme Correspondences." *Journal of Verbal Learning and Verbal Behavior*, 2, pp. 142-146.
- Gleitman, L.R. (1956). "A Study of the Acquisition of Syntactic Structure." Paper read at The Linguistic Circle of New York, March.
- Jakobson, R. (1941). *Kindersprache, Aphasie und Allgemeine Lautgesetze*. Uppsala, Sweden: Uppsala Universit t.

- Jenkins, J.J., and D.S. Palermo (1964). "Mediation Processes and the Acquisition of Linguistic Structure." In U. Bellugi and R. Brown (eds.), *The Acquisition of Language*. Monographs of the Society for Research in Child Development, 29, No. 1, pp. 141-169.
- Kean, J.M., and K. Yamamoto (1965). "Grammar Signals and Assignment of Words to Parts of Speech Among Young Children: An Exploration." *Journal of Verbal Learning and Verbal Behavior*, 4, pp. 323-326.
- Lambert, W.E., J. Havelka, and C. Crosby (1958). "The Influence of Language-Acquisition Context on Bilingualism." *Journal of Abnormal and Social Psychology*, 56, pp. 239-244. Reprinted in S. Saporta (ed.), *Psycholinguistics: A Book of Readings*. New York: Holt, Rinehart and Winston, 1961.
- Lenneberg, E.H. (1957). "A Probabilistic Approach to Language Learning." *Behavioral Science*, 2, pp. 1-12.
- Lenneberg, E.H. (1962). "Understanding Language Without the Ability to Speak: A Case Report." *Journal of Abnormal and Social Psychology*, 65, pp. 419-425.
- Lenneberg, E.H. (1964). "The Capacity for Language Acquisition." In J.A. Fodor and J. Katz (eds.), *The Structure of Language: Readings in the Philosophy of Language*, pp. 579-603. Englewood Cliffs, N.J.: Prentice-Hall.
- Martin, J., J. Davidson, and M. Williams (1965). "Grammatical Agreement and Set in Learning at Two Age Levels." *Journal of Experimental Psychology*, 70, pp. 570-574.
- McCarthy, D. (1954). "Language Development in Children." In L. Carmichael (ed.), *A Manual of Child Psychology*, Second Edition, pp. 429-630. New York: Wiley.
- McNeill, D. (1966). "Developmental Psycholinguistics." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 15-84. Cambridge, Mass.: The MIT Press.
- McNeill, D. (1968). "On Theories of Language Acquisition." In T.R. Dixon and D.L. Horton (eds.), *Verbal Behavior and General Behavior Theory*, pp. 406-420. Englewood Cliffs, N.J.: Prentice-Hall.

- Menyuk, P. (1963). "A Preliminary Evaluation of Grammatical Capacity in Children." *Journal of Verbal Learning and Verbal Behavior*, 2, pp. 429-439.
- Menyuk, P. (1963). "Syntactic Structures in the Language of Children." *Child Development*, 34, pp. 407-422.
- Menyuk, P. (1964). "Alternation of Rules in Children's Grammar." *Journal of Verbal Learning and Verbal Behavior*, 3, pp. 480-488.
- Menyuk, P. (1964). "Syntactic Rules Used by Children from Pre-school through First Grade." *Child Development*, 35, pp. 533-546.
- Miller, W. (1964). "The Acquisition of Grammatical Rules by Children." Paper read at The Linguistic Society of America, New York City, December.
- Miller, W.R., and S.M. Ervin (1964). "The Development of Grammar in Child Language." In U. Bellugi and R. Brown (eds.), *The Acquisition of Language*. Monographs of the Society for Research in Child Development, 29, No. 1.
- Piaget, J. (1965). "Langage et Pensée." *La Revue du Praticien*, 15, pp. 2253-2254.
- Prentice, J.L. (1966). "Semantics and Syntax in Word Learning." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 279-284.
- Slobin, D.I. (1964). "Imitation and the Acquisition of Syntax." Paper read at Second Research Planning Conference, Project Literacy, Chicago, August.
- Slobin, D.I. (1966). "The Acquisition of Russian as a Native Language." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 129-148. Cambridge, Mass.: The MIT Press.
- Slobin, D.I. (1966). "Grammatical Transformations and Sentence Comprehension in Childhood and Adulthood." *Journal of Verbal Learning and Verbal Behavior*, 5, pp. 219-227.
- Slobin, D.I. (in press). "Early Grammatical Development in Several Languages, with Special Attention to Soviet Research." In W. Weksel and T.G. Bever (eds.), *The Structure and Psychology of Language*. New York: Holt, Rinehart and Winston.

- Templin, M.C. (1966). "The Study of Articulation and Language Development During the Early School Years." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 173-180. Cambridge, Mass.: The MIT Press.
- Velten, H.V. (1943). "The Growth of Phonemic and Lexical Patterns in Infant Language." *Language*, 19, pp. 281-292.
- Weir, R.H. (1963). *Language in the Crib*. The Hague: Mouton & Co.
- Weir, R.H. (1966). "Some Questions on the Child's Learning of Phonology." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 153-168. Cambridge, Mass.: The MIT Press.
- Wright, J.C., and J. Kagan (1963). *Basic Cognitive Processes in Children*. Monographs of the Society for Research in Child Development, Serial No. 86, 28, No. 2.

SECTION XII: ANIMAL COMMUNICATION

- Chase, R.A. (1966). "Evolutionary Aspects of Language Development and Function." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 253-268. Cambridge, Mass.: The MIT Press.
- De Vore, I. (ed.) (1965). *Primate Behavior: Field Studies of Monkeys and Apes*. New York: Holt, Rinehart and Winston.
- Frings, H.W., and M.R. Frings (1964). *Animal Communication*. New York: Blaisdell.
- Frings, M.R., and H.W. Frings (1960). *Sound Production and Sound Reception by Insects: A Bibliography*. University Park: Pennsylvania State University Press.
- Griffin, D.R. (1958). *Listening in the Dark: The Acoustic Orientation of Bats and Men*. New Haven: Yale University Press.
- Hockett, C.F. (1960). "Logical Considerations in the Study of Animal Communication." In W.E. Lanyon and W.N. Tavolga (eds.), *Animal Sounds and Communication*, pp. 393-430. Washington, D.C.: American Institute of Biological Sciences.
- Hockett, C.F., and P. Ascher (1964). "The Human Revolution." *Current Anthropology*, 5, pp. 135-168.
- Johnson, D.L. (1967). "Honeybees: Do They Use the Direction Information Contained in Their Dance Maneuver?" *Science*, 155, pp. 844-847.
- Kainz, F. (1961). *Die 'Sprache' der Tiere, Tatsachen - Problemschau-Theorie*. Stuttgart, Germany: Enke.
- Kalmus, H. (1966). "Ontogenetic, Genetical, and Phylogenetic Parallels Between Animal Communication and Prelinguistic Child Behavior." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 273-286. Cambridge, Mass.: The MIT Press.
- Kellogg, W.N. (1961). *Porpoises and Sonar*. Chicago: University of Chicago Press.

- Lindauer, M. (1961). *Communication Among Social Bees*. Cambridge, Mass.: Harvard University Press.
- Marler, P. (1961). "The Logical Analysis of Animal Communication." *Journal of Theoretical Biology*, 1, pp. 295-317.
- Muntz, W.R.A. (1967). "Mechanics of Visual Form Recognition in Animals." In W. Wathen-Dunn (ed.), *Models for the Perception of Speech and Visual Form*, pp. 126-136. Cambridge, Mass.: The MIT Press.
- Premack, D., and A. Swartz (1966). "Preparations for Discussing Behaviorism with Chimpanzees." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 295-336. Cambridge, Mass.: The MIT Press.
- Sebeok, T.A. (1965). "Animal Communication." *Science*, 147, pp. 1006-1014.
- Thorndike, E.L. (1911). *Animal Intelligence: Experimental Studies*. New York: The Macmillan Company.
- Thorpe, W.H. (1961). *Bird-Song: The Biology of Vocal Communication and Expression in Birds*. Cambridge, England: Cambridge University Press.
- Thorpe, W.H. (1961). "Sensitive Periods in the Learning of Animals and Men." In W.H. Thorpe and O.L. Zangwill (eds.), *Current Problems in Animal Behavior*, pp. 194-224. Cambridge, England: Cambridge University Press.
- Tinbergen, N. (1952). "The Curious Behavior of the Stickleback." *Scientific American*, 187, pp. 22-26.
- Tinbergen, N. (1961). *The Herring Gull's World*. Revised edition. New York: Basic Books.
- von Frisch, K. (1967). *The Dance Language and Orientation of Bees*. Cambridge, Mass.: Belknap Press of Harvard University Press.
- von Frisch, K. (1967). "Honeybees: Do They use Direction and Distance Information Provided by Their Dancers?" *Science*, 158, pp. 1072-1076.
- Wenner, A.M. (1967). "Honeybees: Do They use the Distance Information Contained in Their Dance Maneuver?" *Science*, 155, pp. 847-849.

SECTION XIII: LANGUAGE DISORDERS

- Carterette, E.C. (ed.) (1966). *Brain Function, Vol. III: Speech, Language, and Communication*. Berkeley: University of California Press.
- Freud, S. (1953). *On Aphasia*. New York: International University Press.
- Furth, H.G. (1964). "Research with the Deaf: Implications for Language and Cognition." *Psychological Bulletin*, 62, pp. 145-164.
- Gozzaniza, M. (1967). "The Split Brain in Man." *Scientific American*, 217, No. 2, pp. 24-29.
- Geschwind, N. (1965). "Disconnection Syndromes in Animals and Man." *Brain*, September.
- Goda, S. (1964). "Spoken Syntax of Normal, Deaf and Retarded Adolescents." *Journal of Verbal Learning and Verbal Behavior*, 3, pp. 401-405.
- Head, H. (1926). *Aphasia and Kindred Disorders of Speech*. New York: The Macmillan Company.
- Howes, D. (1964). "Application of the Word-Frequency Concept to Aphasia." In A.V.S. de Reuck and M. O'Connor (eds.), *Ciba Foundation Symposium: Disorders of Language*, pp. 47-75. Boston: Little, Brown and Co.
- Jones, L.V., and J.M. Wepman (1961). "Dimensions of Language Performance in Aphasia." *Journal of Speech and Hearing Research*, 4, pp. 220-232.
- Jones, L.V., and J.M. Wepman (1965). "Language: A Perspective from the Study of Aphasia." In S. Rosenberg (ed.), *Directions in Psycholinguistics*, pp. 237-253. New York: The Macmillan Company.
- Kimura, D. (1961). "Cerebral Dominance and Perception of Verbal Stimuli." *Canadian Journal of Psychology*, 15, pp. 166-171.
- Kimura, D. (1961). "Some Effects of Temporal-Lobe Damage on Auditory Perception." *Canadian Journal of Psychology*, 15, pp. 156-165.

- Kimura, D. (1964). "Left-Right Differences in the Perception of Melodies." *Quarterly Journal of Experimental Psychology*, 16, pp. 355-358.
- Laffal, J. (1965). *Pathological and Normal Language*. New York: Atherton Press.
- Lambert, W.E., J. Havelka, and R.C. Gardner (1959). "Linguistic Manifestations of Bilingualism." *American Journal of Psychology*, 72, pp. 77-82.
- Lashley, K. (1929). *Brain Mechanisms and Intelligence*. Chicago: University of Chicago Press.
- Lenneberg, E.H. (1960). "A Review of *Speech and Brain Mechanisms* by W. Penfield and L. Roberts." *Language*, 36, pp. 97-112.
- Lenneberg, E.H. (1962). "Understanding Language Without Ability to Speak: A Case Report." *Journal of Abnormal and Social Psychology*, 65, pp. 419-425.
- Lenneberg, E.H. (1964). "A Biological Perspective of Language." In E.H. Lenneberg (ed.), *New Directions in the Study of Language*, pp. 65-88. Cambridge, Mass.: The MIT Press.
- Lenneberg, E.H. (1964). "The Capacity for Language Acquisition." In J. Katz and J.A. Fodor (eds.), *The Structure of Language: Readings in the Philosophy of Language*, pp. 579-603. Englewood Cliffs, N.J.: Prentice-Hall.
- Lenneberg, E.H. (1966). "The Natural History of Language." In F. Smith and G.A. Miller (eds.), *The Genesis of Language: A Psycholinguistic Approach*, pp. 219-252. Cambridge, Mass.: The MIT Press.
- Luria, A.R. (1961). *The Role of Speech in the Regulation of Normal and Abnormal Behavior*. Oxford, England: Pergamon Press.
- Luria, A.R. (1964). "Factors and Forms of Aphasia." In A.V.S. de Reuck and M. O'Connor (eds.), *Ciba Foundation Symposium: Disorders of Language*, pp. 143-161. Boston: Little, Brown and Co.
- MacLay, H., and C.E. Osgood (1967). "Hesitation Phenomena in Spontaneous English Speech." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 305-324. Englewood Cliffs, N.J.: Prentice-Hall.

- Osgood, C.E., and M.S. Miron (1963). *Approaches to the Study of Aphasia*. Urbana: University of Illinois Press.
- Penfield, W., and L. Roberts (1959). *Speech and Brain Mechanisms*. Princeton, N.J.: Princeton University Press.
- Schuell, H., J.J. Jenkins, and E. Jimenez-Pabon (1964). *Aphasia in Adults*. New York: Harper and Row, Hoeber Medical Division.
- Spradlin, J.E., and S. Rosenberg (1964). "Complexity of Adult Verbal Behavior in a Dyadic Situation with Retarded Children." *Journal of Abnormal and Social Psychology*, 68, pp. 694-698.
- Steward, J.L. (1960). "The Problem of Stuttering in Certain North American Indian Societies." *Journal of Speech and Hearing Disorders*, Monograph Supplement, 6, pp. 1-87.
- Wischner, G.J. (1967). "Stuttering Behavior and Learning: A Preliminary Theoretical Formulation." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 342-362. Englewood Cliffs, N.J.: Prentice-Hall.
- Weisenberg, T., and K. McBride (1935). *Aphasia: A Clinical and Psychological Study*. New York: The Commonwealth Fund.
- Wepman, J.M., and L.V. Jones (1964). "Five Aphasias: A Commentary on Aphasia as a Regressive Linguistic Phenomenon." In D. Rioch and E.A. Weinstein (eds.), *Disorders of Communication: Proceedings of the Association for Research in Nervous and Mental Disease*, pp. 190-203. Baltimore, Md.: Williams and Wilkins.
- Wepman, J.M., and D. Van Pelt (1955). "A Theory of Cerebral Language Disorders Based on Therapy." *Folia Phoniatica*, 7, pp. 223-235.
- Wepman, J.M., L.V. Jones, R.D. Bock, and D. Van Pelt (1967). "Studies in Aphasia: Background and Theoretical Formulations." In L.A. Jakobovits and M.S. Miron (eds.), *Readings in the Psychology of Language*, pp. 333-341. Englewood Cliffs, N.J.: Prentice-Hall.
- Whetnall, E., and D.B. Fry (1964). *The Deaf Child*. London: Heinemann.

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13. ABSTRACT This document provides a representative, undogmatic, and fairly thorough coverage of selected areas of the psycholinguistic literature which are not adequately covered in existing bibliographies. Because of our view that psycholinguistics consists of the study of the acquisition, production and understanding of a natural language, we have deliberately excluded from consideration any literature in areas such as language and culture, phonetic symbolism, paired association testing, concept formation, anthropological linguistics, and speech pathology. Since there are a number of good and reasonably current bibliographies in the area of syntax and phonology, we have omitted these references and have cited the reviews in Section I. Moreover, a forthcoming very complete and up-to-date bibliography by Daniel I. Slobin on child language acquisition has permitted us to leave this area less completed than we ordinarily would have done. Each citation occurs only once in this bibliography, and in each case we have attempted to place it in the most obvious section even though two or more sections might be applicable, e.g., Anthologies, Bibliographies, Surveys; Psychology, Psycholinguistics; Speech Analysis; Semantics.			

14.

KEY WORDS

LINE A

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NAME	ROLE
Mr. J. Edgar Hoover	Director
Mr. Clegg	Chief of Bureau
Mr. Glavin	Chief of Bureau
Mr. Ladd	Chief of Bureau
Mr. Nichols	Chief of Bureau
Mr. Rosen	Chief of Bureau
Mr. Tracy	Chief of Bureau
Mr. Carson	Chief of Bureau
Mr. Egan	Chief of Bureau
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