

Manuscripts for Publication, Reports, and Oral Papers*

Manuscripts for Publication

In Search of the Acoustic Cues. Alvin M. Liberman and Franklin S. Cooper. In: Albert Valdman, Ed., Mélange à la Mémoire de Pierre Delattre (Mouton, The Hague). In Press.

Stop Duration and Voicing in English. Leigh Lisker. In: Albert Valdman, Ed., Mélange à la Mémoire de Pierre Delattre (Mouton, The Hague). In Press.

Tonal Experiments in Whispered Thai. Arthur S. Abramson. In: Albert Valdman, Ed., Mélange à la Mémoire de Pierre Delattre (Mouton, The Hague). In Press.

Identification of a Speaker by Speech Spectrograms. Richard H. Bolt, Franklin S. Cooper, Edward E. David, Jr., Peter B. Denes, James N. Pickett, Kenneth N. Stevens. (The paper was written by six members of the Acoustical Society of America who were asked by the Technical Committee on Speech Communication of that Society to study and report on the subject. F.S. Cooper is a member of Haskins Laboratories.) Science, 166, N. 3903, 338-343 (17 October 1969).

The Motor Theory of Speech Perception: A Reply to Lane's Critical Review. Michael Studdert-Kennedy, Alvin M. Liberman, Katherine S. Harris and Franklin S. Cooper. To be published in the Psychological Review (Spr. 1970).

The Grammars of Speech and Language. Alvin M. Liberman. Invited research address, sponsored by Division 3, at the meeting of the American Psychological Association, 1 September 1969, in

*The Contents of this Report, SR-19/20, are included in this listing.

Washington, D.C. Scheduled for publication in the Journal of Cognitive Psychology.

Reading Aids for the Blind: A Special Case of Machine-to-Man Communication. Franklin S. Cooper, Jane H. Gaitenby, Ignatius G. Mattingly, Noriko Umeda. (The last author is now at Bell Telephone Laboratories, Murray Hill, N.J.) Forthcoming, in IEEE Transactions on Audio and Electroacoustics.

Extended Reports

Synthesis by Rule as a Tool for Phonological Research. Ignatius G. Mattingly. Based on a paper with the same title read at the 43rd Annual Meeting of the Linguistic Society of America, New York, 28-30 December 1968.

The Function of Muscles in Control of Stress and Intonation. Katherine S. Harris, Thomas Gay, Philip Lieberman, George Sholes. This paper was presented at the American Speech and Hearing Association Meeting, 12 November 1969.

Further Results on the Development of Voicing in Stop-Consonants in Young Children. Malcom S. Preston and Diane K. Port. Paper read at the 78th Meeting of the Acoustical Society of America, San Diego, California, November 1969.

Observing Laryngeal Adjustments during Running Speech by Use of a Fiberoptics System. Masayuki Sawashima, Arthur S. Abramson, Franklin S. Cooper, Leigh Lisker. This paper includes materials presented orally at three meetings held in November and December, 1969, viz: 78th Meeting of the Acoustical Society of America (San Diego, California) Motion Pictures of the Vocal Folds in Speech; 45th Annual Convention of the American Speech and Hearing Association (Chicago, Illinois) Observation of Laryngeal Adjustments during Running Speech by Use

of a Fiberoptics System; 1969 Annual Meeting of the Modern Language Association (Denver, Colorado) Viewing the Vocal Folds in Running Speech.

Laryngeal Muscle Activity during Vocal Pitch and Intensity Changes. Masayuki Sawashima, Thomas J. Gay and Katherine S. Harris. Paper presented at the American Speech and Hearing Association Meeting, Chicago, Illinois, November 1969. This paper will appear in the Journal of Speech and Hearing Research, slightly revised.

Oral Reports

Judgements of Temporal Order in Speech Perception. Ruth S. Day. Center for Research in Human Learning, University of Minnesota, 1 July 1969.

Three invited lectures. Alvin M. Liberman. Department of Psychology, University of Maryland, August 1969.

Invited talk. Alvin M. Liberman. Academy of Aphasia, Boston, Massachusetts, October 1969.

Hemispheric Specialization for Speech Perception. Michael Studdert-Kennedy. Colloquium, Queens College of the City of New York, 27 October 1969.

Effect of Vowel Duration upon the Perception of the Voicing Characteristic of Word-Final Consonants. Lawrence J. Raphael. Seventy-eighth Meeting of the Acoustical Society of America, San Diego, California, 4 November 1969.

Temporal Order Judgements in Speech: Are Individuals Language-Bound or Stimulus-Bound? Ruth S. Day. Psychonomic Society Tenth Annual Meeting, St. Louis, Missouri, 7 November 1969.

Motion Pictures of the Vocal Folds in Speech. Masayuki Sawashima, Arthur S. Abramson, Franklin S. Cooper, Leigh Lisker. 78th Meeting of the Acoustical Society of America, San Diego,

California, 6 November 1969.

Time Cues in Speech - - - Or Lack of Them. Ruth S. Day. Colloquium of Linguistics and Psychology Departments, University of Connecticut, 20 November 1969.

Viewing the Vocal Folds in Running Speech. Masayuki Sawashima. 1969 Annual Meeting of the Modern Language Association of America at Denver, Colorado, 28 December 1969.

UNCLASSIFIED

Security Classification

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author) Haskins Laboratories, Inc. 305 East 43rd Street New York, New York 10017		2a. REPORT SECURITY CLASSIFICATION Unclassified	
		2b. GROUP N/A	
3. REPORT TITLE Status Report on Speech Research, No. 19/20, July-December, 1969			
4. DESCRIPTIVE NOTES (Type of report and inclusive dates) Interim Scientific Report			
5. AUTHOR(S) (First name, middle initial, last name) Staff of Haskins Laboratories; Cooper, Franklin S., P.I.			
6. REPORT DATE December, 1969		7a. TOTAL NO. OF PAGES 226	7b. NO. OF REFS 169
8a. CONTRACT OR GRANT NO. ONR Contract N00014-67-A-0129-0001		9a. ORIGINATOR'S REPORT NUMBER(S) SR-19/20 (1969)	
b. PROJECT NO. NIDR: Grant DE-01774 NICHD: Grant HD-01994 NIH/DRFR: Grant FR-5596		9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report) None	
c. VA/PSAS Contract V-1005M-1253			
10. DISTRIBUTION STATEMENT Distribution of this document is unlimited			
11. SUPPLEMENTARY NOTES N/A		12. SPONSORING MILITARY ACTIVITY See No. 8	
13. ABSTRACT This report (for 1 July - 30 December 1969) is one of a regular series on the status and progress of studies on the nature of speech, instrumentation for its investigation and practical applications. Extended reports and manuscripts cover the following topics: In Search of the Acoustic Cues Stop Duration and Voicing in English Tonal Experiments in Whispered Thai Synthesis by Rule as a Tool for Phonological Research The Grammars of Speech and Language The Function of Muscles in Control of Stress and Intonation The Motor Theory of Speech Perception: A Reply to Lane's Critical Review Further Results on the Development of Voicing in Stop-Consonants in Young Children Observing Laryngeal Adjustments during Running Speech by Use of a Fiberoptics System Laryngeal Muscle Activity during Vocal Pitch and Intensity Changes			

DD FORM 1473 (PAGE 1)

S/N 0101-807-6801

UNCLASSIFIED
Security Classification

3ND PPSO 13152

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Speech perception/production Speech synthesis Speech articulation (in young children) Speech: Whispered tones Syntactic and Phonetic Theory Electromyography Prosodics Laryngeal function						