Manuscripts for Publication, Reports, and Oral Papers

Manuscripts for Publication


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 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.


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.


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


Oral Reports


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.


### Status Report on Speech Research, No. 19/20, July-December, 1969

**Interim Scientific Report**

Staff of Haskins Laboratories; Cooper, Franklin S., P.I.

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**Supplementary Notes**

N/A

**Sponsoring Military Activity**

See No. 8

**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
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