

These proceedings comprise a sampling of the best regional entries in a search begun in November 1980. Sections representing the work of more than 100 authors deal with the major categories of disability: hearing, speech, language, learning, movement, and vision. 304 pp.

## Order #392

Proceedings—JOHNS HOPKINS FIRST NATIONAL SEARCH FOR APPLICATIONS OF PERSONAL COMPUTING TO AID THE HANDICAPPED

October 31, 1981

Members—\$16.50 Nonmembers—\$22.00

Use order form on p. 95.

Software and hardware development for dedicated and control microprocessor applications including real-time control—
In-house assembler and Pascal compiler for all major processors



8127 PARK VILLA CIRCLE CUPERTINO, CA 95014 (408) 725-8013 Washington, DC. IEEE Computer Society, Los Alamitos, California.

- 1. Raymond C. Kurzweil, "Kurzweil Reading Machine for the Blind," pp. 236-241.
- 2. Jay C. Hardin, "Can Content Identification for the Blind," p. 226.
- 3. Deane B. Blazie, "Total Talk: A Computer Terminal for the Blind," pp. 251-254.
- Peter B. Maggs, "Adapting Personal Computers for Blind and Speech-Handicapped Users," pp. 246-248.
- Klaus Mewes, "The Braille Display: A Computer Age Device for the Blind," pp. 224-225.
- David Holladay, "Braille-Edit Program: Connecting an Apple II Computer with a Versabraille Paperless Brailler," pp. 231-233.
- 7. Andris Zingis, "Paperless Braille Micro," pp. 267-268.
- 8. Harry Kosalos, "The Braille Transcriber," pp. 227-228.
- 9. J. Renzi, "The Braille Translator," pp. 229-230.
- Harry Levitt, "A Pocket Telecommunicator for the Deaf," pp. 39-41.
- Arthur Bruce Johnson and Robert F. Hagstad, "DTMF Telecommunications for the Deaf and Speech-Impaired," pp. 29-32.
- 12. Robert E. Glaser, "A Telephone Communication Aid for the Deaf," pp. 11-15.
- Richard C. Bozzuto, Jr., "The Universal Translating Modem: An Advanced Telecommunications Device for the Deaf," pp. 62-64.
- 14. William M. Walsh, III, "An Emergency Deaf Communications System," pp. 35-36.
- Robin L. Hight, "Lip-Reader Trainer: A Computer Program for the Hearing-Impaired," pp. 4-5.
- 16. Kenneth Macurik, "A Vocalization Trainer for the Hearing Impaired," pp. 2-3.
- 17. James F. Duffy, "A Video Voice Display for Use in Speech Training of the Deaf," pp. 23-26.
- Ronald R. Mitchell, "A Computer Controlled Monitor and Alarm System for the Hearing-Impaired," pp. 21-22.
- 19. Winalee E. Beeson, "A Microcomputer Controlled Communications Aid for the Deaf-Blind," pp. 270-271.
- Jack Kishpaugh and Donna Bearden, "Mobile Unit Promotes Training, Hiring Handicapped," pp. 150-151.
- 21. David L. Jaffe, "An Ultrasonic Head Position Interface for Wheelchair Control," pp. 142-145.
- 22. Reuel O. Launey, III, "The Motor-Handicapped Support System," pp. 104-109.
- 23. Joseph T. Cohn, "Microcomputer Augmentative Communication Devices," pp. 43-44.
- Mark B. Friedman, Gary Kiliany, Mark Dzmura, and Drew Anderson, "The Eyetracker Communication System," pp. 183-185.
- Richard Buus, "A Computer Communication Aid for the Nonverbal Handicapped," pp. 131-135.
- 26. Randall L. Jones, "Row/Column Scanning with a Dynamic Matrix," pp. 6-8.
- E. Paul Goldenberg, "Flexible High Bandwidth Communication for Motorically Impaired Persons," pp. 190-192.
- 28. Richard E. Frost, "An Interactive Computer Environment for Autistic Children," pp. 283-284.
- Howard F. Batie, "A Low-Cost Communication System for the Non-Vocal Severely Physically Handicapped," pp. 292-296.