This bibliography, now in its seventh revision, seeks to provide a database of journal articles and conference papers for the field of augmentative communication. The approximately 700 entries are gathered primarily from works published or presented in the United States and Canada. References on the use of aided systems are the major focus, with particular emphasis upon communication interaction between aided and natural speakers. The list is organized by author, and each entry includes basic bibliographical information and a classification code. The classification codes identify papers by: particular clinical population, subject characteristics and age, focus of the paper (assessment, training, position paper, software development, etc.), and symbol systems and output modes. (JDD)
ALTERNATIVE AND AUGMENTATIVE COMMUNICATION
BIBLIOGRAPHY

Villarruel, F., Mathy-Laikko, P., Ratcliff, A. & Yoder, D.

Revised, July 1987

"PERMISSION TO REPRODUCE THIS
MATERIAL HAS BEEN GRANTED BY
M.E. Brady

TO THE EDUCATIONAL RESOURCES
INFORMATION CENTER (ERIC)."

Trace Research and Development Center
on Communication, Control, and Computer
Access for Handicapped Individuals
University of Wisconsin-Madison

Waisman Center/1500 Highland Avenue    Madison, Wisconsin 53705-2280    (608)262-6966 TDD: (608)263-5408
ALTERNATIVE AND AUGMENTATIVE COMMUNICATION BIBLIOGRAPHY

Francisco Villarruel
Department of Child and Family Studies
and
Waisman Center on Mental Retardation and Human Development
University of Wisconsin-Madison

Pamela Mathy-Laikko and Ann E. Ratcliff,
Department of Communicative Disorders
and
Waisman Center on Mental Retardation and Human Development
University of Wisconsin-Madison

David E. Yoder
School of Allied Health
University of North-Carolina at Chapel Hill

July, 1987
The July, 1987 version of the Augmentative and Alternative Bibliography represents the seventh revision of this particular bibliography. The bibliography was originally created by Roxanne DePaul and Francisco Villarruel to provide a data base for faculty and students interested in the area of augmentative communication at the University of Wisconsin.

It goes without saying that this bibliography has seen a rapid growth as the field of augmentative communication has grown. Our initial intent was to create a data base which would be comprehensive. References were obtained from journals, conference proceedings, and paper sessions/poster sessions at various conferences. This compilation of published and unpublished papers is gathered primarily from, although not limited to, works published or presented in the United States and Canada. In addition, our major focus has been on gathering references pertaining to the use of aided systems, with particular focus upon communication interaction between aided and natural speakers. Although not as prevalent, several references are also listed related to unaided systems.

Unfortunately efforts seem to run behind the pace of growth and development of the field, as we continue to run across references which have been overlooked. In addition, more conferences are beginning to have sessions related to the field of augmentative and alternative communication, thus making it difficult to reference all papers presented at conferences.

A coding schema was also developed at the inception of this project. The original intent of the coding schema was to subsequently provide interested users with an IBM DBase III program, with which users could input a specific code or codes to retrieve appropriate references. Due to the rapid growth of the bibliography, as well as the difficulty in creating such a program to handle the large number of references which have been listed, we have temporarily abandoned our efforts toward this end.

Perhaps the major difference between this and preceding revisions of the bibliography is its length. While we would like to reference all papers related to augmentative communication, we also wish to minimize the cost so that it may be disseminated and used by as many persons as possible. For this reason, we have not listed papers presented at the Third, or Fourth International Conference on Augmentative and Alternative Communication unless requested by the author(s). The assumption being that ISAAC members either attended the conference or have the proceedings from the conference.

We welcome, and encourage any feedback which you may have. This includes requests for additions or deletions. If we've not included an article which you have authored, please inform us, so that we may include it in our next update, which is tentatively scheduled for January, 1988.

Francisco Villarruel  Pamelay Mathy-Laikko

Ann E. Ratcliff  David E. Yoder
ALTERNATIVE AND AUGMENTATIVE COMMUNICATION
BIBLIOGRAPHY CLASSIFICATION CODES

I. POPULATION CODES:

a. Specific retrieval of a particular clinical population
b. Primarily articles addressing intervention programs and/or the effects
   of training programs.
c. Must include qualifying codes (e.g., symbol system, mental age focus)
   with the population code or retrieval will include everything on
   that population entered in the ACSU bibliography.

AMBULATORY .......................................................... code AM
APHASIA ............................................................ code AP
AUTISM ............................................................... code AU
APRAXIA ............................................................. code AX
BLIND ................................................................. code BD
CEREBRAL PALSY .................................................... code CP
DEAF ................................................................. code DF
DEAF/BLIND .......................................................... code DB
DOWN SYNDROME .................................................... code DC
DYSARTHRIA .......................................................... code DY
HEAD TRAUMA/CLOSED HEAD INJURY ............................. code HT
INTENSIVE CARE UNIT ............................................. code IC

This category is intended to be used for
references which describe the use of
alternative and augmentative
communication systems with temporarily
hospitalized patients who require an
alternative system (e.g., burn victims,
post-operative patients, etc.).

MULTIPLY HANDICAPPED ......................................... code MH
MILD/MODERATE MENTAL RETARDATION ......................... code MM
NON-HUMAN PRIMATES ................................................ code NP
PROGRESSIVE DISORDERS .......................................... code PD

This category is intended to be used for
disorders such as the following:
Amyotrophic Lateral Sclerosis, Muscular
Dystrophy, Multiple Sclerosis.

SEVERE/PROFOUND MENTAL RETARDATION ..................... code SM
II. SUBJECT CHARACTERISTICS AND AGE

a. Subject ages will be divided into two sections, MA and CA. Although it is not necessary, it is suggested that both the CA and MA be reported whenever possible.

b. More than 1 CA or MA may be reported for each entry.

c. Chronological age groups are based on PL 94-142.

1. Chronological age.

```
<table>
<thead>
<tr>
<th>Age Group</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESCHOOL</td>
<td>C1</td>
<td>0-7 yrs CA</td>
</tr>
<tr>
<td>ELEMENTARY</td>
<td>C2</td>
<td>7-12 yrs CA</td>
</tr>
<tr>
<td>ADOLESCENT</td>
<td>C3</td>
<td>13-21 yrs CA</td>
</tr>
<tr>
<td>ADULT</td>
<td>C4</td>
<td>22-65 yrs CA</td>
</tr>
<tr>
<td>GERIATRIC</td>
<td>C5</td>
<td>65+ yrs CA</td>
</tr>
</tbody>
</table>
```

2. Mental age

```
[SENSORIMOTOR]  | MO   | 0-24 mos MA       |
[PREOPERATIONAL]| M1   | 2-5 yrs MA        |
[OPERATIONAL]   | M2   | 5-12 yrs MA       |
[FORMAL OPERATIONS] | M3 | 12-21 yrs MA       |
```

III. FOCUS OF PAPER

```
ASSESSMENT       | AT   |
ALTERNATIVE INPUT SYSTEM | AI   |
                |      |
This code includes encoding systems, abbreviation expansion, and word/sentence prediction devices.
COMMUNICATION BOARD DESIGN | CD   |
DEMOGRAPHICS    | DE   |
FEATURE COMPARISON | FC   |
                |      |
feature comparison will be used for papers concerned with the issues of iconicity, transparency, translucency, and electronic interfacing devices.
TRAINING/INTERVENTION | IN   |
ISSUE PAPER      | IP   |
LONGITUDINAL ACQUISITION | LA   |
INTERACTION      | FR   |
POSITION PAPER   | PS   |
POSITION/SEATING | ST   |
REVIEW PAPER     | RV   |
SOFTWARE DEVELOPMENT/EVALUATION | SD   |
TOY MODIFICATIONS, CONTINGENCIES or TRAINING | TT   |
VOCABULARY SELECTION or WORD FREQUENCY SETS | VS   |
IV. SYMBOL SYSTEMS and OUTPUT MODES

a. This is a strict categorization field, i.e., includes only those articles in which the symbol system is precisely defined.

b. Non-specific sign systems classifications, such as "total communication" or "signin" are included under SG.

c. Output mode codes will be used for aided systems only

| ABSTRACT SYMBOL SYSTEMS                      | code AB |
| AMERICAN SIGN LANGUAGE                        | code ASL |
| BLISSYMBOLS                                   | code BL |
| ELECTRONIC DEVICE                              | code ED |
| EYE GAZE SYSTEMS                               | code Ey |
| GESTURE                                        | code GE |

Gesture will focus upon idiosyncratic gestures and AMER-IN MICROCOMPUTER (e.g., Epson, TRS, Apple IBM).

| MORSE CODE                                     | code MC |
| PICTOGRAPHIC IDEOGRAPHIC COMMUNICATION SYSTEM   | code PC |
| PICTURE COMMUNICATION SYSTEM (PCS)             | code PCS |
| PHOTOGRAPHS or PICTURES                        | code PH |
| PICTSYMBOLS OR MAGIC-CYMBOLS                   | code PI |
| PRINTED OUTPUT                                 | code PO |
| PEDAGOGICAL SYSTEMS                            | code SG |

Examples of pedagogical sign systems to be included within this category include Finger-spelling, SEE1, SEE2, Signed English, etc.

| REBUS                                          | code RB |
| SPEECH                                         | code SP |
| TRADITIONAL ORTHOGRAPHY                        | code TO |
| SCANNING SYSTEMS                               | code SS |
| VOICE OUTPUT SYSTEMS                           | code VO |
| VOICE INPUT DEVICES                            | code VI |
| VISUAL NONRETRIEVABLE                          | code VN |

This code is not intended to be used with sign systems, but rather with automated and nonautomated devices.


Brown, C. C., & Cavalier, A. R. (1986). Increased independence through computerized voice recognition for persons who are severely physically involved and profoundly mentally retarded. In M. Donath, H. Friedman, & M. Carlson (Eds.), *Proceedings of the ninth annual conference in Rehabilitation Technology* (pp. 101-103). Washington, D.C.: RESNA.


18


Cress, C. J. (1986). *Bibliography of vocabulary frequency and wordset analysis studies.* (Version 2.0) Madison, WI. University of Wisconsin-Madison, Trace Research and Development Center. VS


Culatta, B. (1972). A conceptually based approach to teaching language to retarded children. *Journal of the Kentucky Speech and Hearing Association, 2*, 5-10. SM GE IN


DePaul, R., & Yoder, D. E. (1986). Iconicity in manual sign systems for the augmentative communication user: Is that all there is? Augmentative and Alternative Communication, 2, 1-10. IP FC RV SG ASL


Hagen, C., Porter, W., & Brink, J. (1973). Non-verbal communication: An alternate mode of communication for the child with severe cerebral palsy. Journal of Speech and Hearing Disorders, 38, 448-455. RV


Hamre-Nietupski, S., Nietupski, J., & Rathe, T. (1986). Selecting the appropriate nonverbal communication system for severely handicapped students. Teaching Exceptional Children, 18, 130-134. AT


Hanson, M. J. (1985). An analysis of the effects of early intervention services for infants and toddlers with moderate and severe handicaps. Topics in Early Childhood Special Education, 5, 36-51. IN RV Cl


Higginbotham, D. J. (1982). That's just the point: The achievement of turntaking between an augmentative systems user and his therapist. Unpublished manuscript, University of Wisconsin-Madison, Department of Communicative Disorders. TO VN NA PR


Higginbotham, D. J., & Yoder, D. E. (1982, August). Conversational interactions with the severe communicatively handicapped: Speech is not enough. ASHA\NC Regional Short Course, Milwaukee, WI: RV PR


CP CI ED


40

42


43

45

Lloyd, L. L., & Karim, G. R. (1984). Non-speech communication symbols and systems: Where have we been and where are we going? Journal of Mental Deficiency Research, 28, 3-20. RV


Mahaffy, R. B. (1985). An overview of computer applications. Topics in Language Disorders, 6, 1-10. RV


Mathy-Laikko, P., & Ratcliff, A. (1983). What was that you pointed to? An examination of breakdown in augmentative communication interaction. Unpublished manuscript, University of Wisconsin-Madison, Department of Communicative Disorders. TO VN NA PR


Mirenda, P. (1985). Designing pictorial communication systems for physically able-bodied students with severe handicaps. *Augmentative and Alternative Communication, 1,* 58-64.


Parker, L. G. (1987). Educational programming. In E. T. McDonald (Ed.), Treating Cerebral Palsy: For clinicians by clinicians (pp. 239-255). Austin, TX. PRO-ED. RV IN CP


Reichle, J., & Brown, L. (1986). Teaching the use of a multipage direct selection communication board to an adult with autism. The Journal of the Association for Persons with Severe Handicaps, 11, 68-73. IN C4 FC RB J


Rodgers, B. L. (1984). The holistic application of high technology for conversation, writing, and computer access aid systems. In C. Smith (Ed.), *Proceedings of Discovery 84: Technology for Disabled Persons*. Menomine, WI: UW-Stout Vocational Rehabilitation Institute, Menomine, WI.


Savage-Rumbaugh, E. S., & Rumbaugh, D. M. (1980). Requisites of symbolic communication - or, are words for birds? The Psychological Record, 30, 305-318.

Saxe, G. B. (1982). Number symbols and number operations: Their development and interrelation. Topics in Language Disorders, 2, 67-76.


Vanderheiden G. C., & Grilley K. (1975), Non-vocal communication techniques and aids for the severely physically handicapped. Baltimore, University Park Press.


Wendt, E., Sprague, M. J., & Marquis, J. (1975). Communication without speech. Teaching Exceptional Children, 8, 38-42. CP C2 M2 TO VN PO RV DC


68 70


Partial funding for this work was provided under Grant #G008300045 from the National Institute of Disability and Rehabilitation Research, United States Department of Education.