

**GRANTS AND CONTRACTS** (since joining Purdue faculty in 1977): \*

A Series of Studies on the Facilitory Effects of Signing on the Development of Language. Purdue Internal Support of two undergraduate research trainees, 1977-78. Renewed for 1978-79 and 1979-80.

Special Education Materials and Resource Center. Indiana Department of Education, Division of Special Education. July 2, 1978-90. (This is an annual proposal for P.L. 94-142 discretionary funds to partially support our satellite materials center.)

International Travel Grant, Purdue Research Foundation, 1978, 1983, 1986, and 1990.

Meeting the Communication Needs of Severely/Profoundly Handicapped Children through In-Service Training. U.S. Department of Education, Office of Special Education and Rehabilitative Services. June 1979-May 1982 (with M. Fristoe).

Program Assistance Grant (Personnel Preparation to Meet the Needs of the Handicapped). U.S. Department of Education, Office of Special Education and Rehabilitative Services. June 1979-May 1982 (with D. R. Robson).

Non-Speech Communication: Studies of Factors Affecting the Facilitative Effects of Signing When Used as an Aid to Communication Development in Persons Having Severe Communication Impairments but Essentially Normal Hearing. U.S. Department of Education, Office of Special Education and Rehabilitative Services. September 1979-August 1982 (with M. Fristoe).

Effects of a Pre-Training General Imitation Experience on the Acquisition of Manual Signs by Severely Retarded Children. U.S. Department of Education, Office of Special Education and Rehabilitative Services. July 1980-December 1981. (N. Creekmore's Doctoral Student Research. \*\* )

A Series of Studies of the Facilitory Effects of Nonspeech Systems on the Development of Communication. Purdue Internal Support of two undergraduate research trainees, 1980-81. (This is a modification of the previous trainee support to include aided systems.) Renewed for 1981-82, 1982-83, 1983-84, 1984-85, 1985-86, and 1986-87. Renewed for three trainees for 1987-88. Renewed for one trainee for 1988-89.

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\* From 1969-77 employment at NIH precluded grant applications. Prior to 1969, grants were obtained from NIH, RSA, USDE-BEH. Also, it should be noted that the USDE Bureau of Education for the Handicapped (BEH) activities was reorganized to the Office of Special Education and Rehabilitation Services (OSERS).

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\*\* These proposals were written primarily by the student, but the university and granting agency require that the grant is officially listed under the faculty supervisor's name.

The Relative Learnability of Manual Signs and Blissymbolics: An Investigation with Moderately and Severely Retarded Individuals. U.S. Department of Education, Office of Special Education and Rehabilitative Services. May 1981-April 1982. (C. Goossens' Doctoral Student Research..\*\*) )

David Ross (XR) Research Fellowship Support for Carol A. Goossens'. Purdue Research Foundation, May, 1981-April, 1982.\*\*

Videotape Series for In-Service Training on Meeting the Communication Needs of the Severely/Profoundly Handicapped. State of Indiana Department of Mental Health. July, 1981.

Preparation of Leadership Personnel: A Research Training Program in Nonspeech Communication. U.S. Department of Education, Office of Special Education and Rehabilitative Services. June 1983-May 1986.

David Ross (XR) Research Fellowship Support for Judy Kay Byler. Purdue Research Foundation, August 1983-August 1985.\*\*

The Transparency of Manual Signs in a Linguistic and Situational Nonlinguistic Context. U.S. Department of Education, Office of Special Education and Rehabilitative Services. September 1983-February 1985. (J. Byler's Doctoral Student Research.\*\*)

Fulbright-Hays Research Grant-in-Aid, United States - United Kingdom Education Commission, January-July 1984.

PDN Region III Inservice Training Project. Indiana Department of Education CSPD Project. January-May 1985 (with P. Bardoczi, C. Lunsford & B. Rubinstein).

Purdue/Murdock School Linkage Proposal: Improving Performance of School Personnel in Meeting the Communication Needs of Severely Handicapped Students. Lilly Endowment, Inc. May 1985-April 1986.

Physical and Semantic Characteristics of Graphic Symbols as Predictors or Perceived Complexity. Purdue Internal Support of One Undergraduate Research Trainee, 1985-86 and 1986-87.

David Ross (XR) Research Fellowship Support for Donald R. Fuller. Purdue Research Foundation, June 1986-May 1988.\*\* (Fuller completed his doctorate in August 1987 and the remaining nine months of support were transferred to another doctoral student.)

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The Effects of Associative Stories and Symmetry on the Production and Recognition of Manual Signs. U.S. Department of Education, Office of Special Education and Rehabilitative Services. September 1987-March 1989. (B. Loeding Doctoral Student Research.\*\*)

Preparation of Leadership Personnel: An Applied Research Training Program. U.S. Department of Education, Office of Special Education and Rehabilitation Services. June 1986-November 1989. (This is a competitive renewal and extension of the June 1983-May 1986 Grant.)

David Ross (XR) Research Fellowship Support for Barbara L. Loeding. Purdue University, August 1987-August 1988.\*\*

Augmentative and Alternative Communication Assessment: A Statewide Inservice Training Program. Indiana Department of Education, Division of Special Education. September 1987-June 1989 (with R. Quist and other members of the IAACC Education Task Force).

AAC Editorial Awards. Support of one \$2000 Editor's Award, one \$1000 Student Award, and one \$1000 Clinical Paper Award for papers published in ISAAC's international journal, AAC. Prentke Romich Co., Wooster, OH. January 1986-December 1993.

Prentke Romich AAC Fellowship. Graduate student support of the Editor of ISAAC's International Journal. Prentke Romich Co., Wooster, Ohio. August 1988-August 1991.

Phonic Ear AAC Distinguished Lectureship. Support for one international lecturer per year. Phonic Ear Co., Mill Valley, CA. August 1988-December 1993.

Augmentative and Alternative Communication State of the Art Conference. Indiana Department of Education, Division of Special Education. July 1989-June 1990 (with R. Quist).

Augmentative and Alternative Communication State of the Art Conference. Indiana Department of Mental Health. July 1989-June 1990 (with R. Quist).

Relationship of Communication Speed and Rate to the Perceived Communicative Competence of AAC Users Mainstreamed in High School Academic Classes. U.S. Department of Education, Office of Special Education Programs. September 1989-August 1990 (K. Kangas Doctoral Student Research. \*\*)

Preparation of Leadership Personnel: A Doctoral and Postdoctoral Program in Augmentative and Alternative Communication. U.S. Department of Education, Office of Special Education Programs. September 1989-August 1994. (This is a competitive renewal of the June 1983-May 1986 and June 1986-November 1989 Grants.)

Iconicity and Other Characteristics of AAC Symbols. Purdue Internal Support of two undergraduate research trainees, 1989-90. (This is a modification and extension of the previous trainee support.) Support for one undergraduate research trainee, 1991-92, 1992-93, 1993-94, and 1994-95.

David Ross (XR) Research Fellowship Support for Barbara J. Nail. Purdue University, December 1990-January 1992.\*\*

Graphic Symbol Characteristics, Developmental Incentive Grant, School of Education, Purdue University, March-August 1991.

AAC Device Grant, Indiana Lions Speech and Hearing, Inc. (Lions/IAACC Project), 1991 & 1992.

An Augmentative and Alternative Communication Preparation Program for Special Educators and Speech-Language Pathologists. U.S. Department of Education, Office of Special Education Programs. September 1992-August 1996. (Lloyd & Zangari.)

Effectiveness of Teaching Strategies for Learning and Using Blissymbols by Students with Mental Retardation. U.S. Department of Education, Office of Special Education Programs. September 1, 1993-August 31, 1995. (R. Schlosser; Doctoral Student Research.\*\*)

Preparation of Leadership Personnel: A Doctoral and Postdoctoral Program in Augmentative and Alternative Communication. U.S. Department of Education, Office of Special Education Programs; September 1994-August 1995. (This is a competitive renewal of the 1983-86, 1986-89, and 1989-94 doctoral and postdoctoral grants.)

Augmentative and Alternative Communication (AAC) Team Development. Porter County Education Interlocal. July, 1994-June, 1995. (This is a state-wide inservice program.)

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program. Greater Lafayette Area Special Services (GLASS). August 1994-July 1996. (This supports both service to GLASS students at Klondike Elementary School and personnel preparation.)

AAC Corporate Affiliates Program. Prentke Romich and Semantic Compaction Systems. July 1995-August 1996. (Support of the AAC program.)

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation. Greater Lafayette Area Special Services (GLASS). July 1996-June 1997. (This supports both service to a GLASS classroom at Earhart Elementary School and professional preparation.)

Purdue-Pretoria Collaboration, MUCIA, January 1996-July 1997.

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Augmentative and Alternative Communication (AAC) Consultative Service, Greater Lafayette Area Special Services (GLASS). July 1997-June 1998. (This provides both AAC consultant services to GLASS and the support of one doctoral student.)

PRF Research Fellowship Support originally for Orit Hetzroni, Purdue University. June 1994-July 1995. (Hetzroni finished in 1995 so the project was suspended for 10 months and renewed with Helen Arvidson for September 1996-June 1997.\*\*)

Edwin and Esther Prentke AAC Distinguished Lecture. Support for a lecture each year at the annual convention. Prentke Romich Co. and Semantic Compaction Systems. November 1997-present. (Submitted on behalf of the AAC Division of the American Speech-Language-Hearing Association. This contract is for an indefinite period, but the companies may terminate with a one-year notice.)

An Audiotactile General Chemistry Course for the Visually Impaired, National Science Foundation. June 1998-May 1999. (Lloyd & Schleppenbach; previously Lytle & Schleppenbach.)

A Collaborative Approach to the Preparation of Personnel to Serve Students with Severe Disabilities. U.S. Department of Education, OSERS, OSEP, proposed for July 1998-June 2001, but awarded for January 1998-December 2001. (Lloyd & Pufpaff.)

PRF Research Fellowship Support for Helen Arvidson, Purdue University. September 1996-June 1997.\*\*

Overseas Research Fellowship from the Centre for Development of the South African Human Sciences Council, awarded December 1998. (\$2,500). The funding is actually a travel stipend for a visit to South Africa in February 1999. This funding is primarily to assist with the improvement of research activities at the University of Pretoria and the University of Durban-Westville relative to severe disabilities.

PRF Research Fellowship Support for Helen Arvidson, Purdue University. January-December 1999 but delayed the second year until January-December 2001 (Lloyd & Arvidson).

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program. Greater Lafayette Area Special Services (GLASS). August 1999-June 2001. (This provides both AAC services to GLASS and to support of one graduate student.)

Purdue-Pretoria Collaboration. Purdue Global Initiative Faculty Grant. January-December 2000.

Undergraduate Equipment Grant. Purdue University, 2001. (Bennett & Lloyd.)

Augmentative and Alternative Communication (AAC) Consultative Service and Professional Preparation, Greater Lafayette Area Special Services (GLASS). (\$35,000). July 2001-June 2003. (This will expand the work scope of the GLASS project cited above which

provides both AAC services to GLASS and the support of one graduate student. The AAC consultant also supervises AAC practicum in the new work scope.)

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program. Greater Lafayette Area Special Services (GLASS). September 2002–August 2004. (This provides both AAC services to GLASS and to support of three graduate students.)

PRF Research Fellowship Support for Oliver Wendt, Purdue University. January-December 2003.\*\*

The effectiveness of augmentative and alternative communication (AAC) for children with autism: A meta-analysis of intervention outcomes. Clifford Kinley Trust Award, Purdue University. July 2003-December 2004. (Lloyd & Wendt.\*\*)

The MathSpeak Digital Talking Book initiative, 21<sup>st</sup> Century fund, State of Indiana to ghLLC, March 2004–February 2006. (Scheppenbach & Lloyd as primary Purdue collaborator.)

Self-generation of Blissymbols on a Pathfinder. National Institutes of Health. STTR Phase I with the Prentke Romich Co. June 2004-May 2006. (Romich, Lloyd & Isaacson.\*\*)

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program to the Greater Lafayette Area Special Services (GLASS). July 2004-June 2005 (provides supervision of AAC assistants, direct AAC services to GLASS, and support of one graduate student).

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program. Greater Lafayette Area Special Services (GLASS). September 2004-August 2006. (This provides both AAC services to GLASS and support of three graduate students.)

AAC & AT Research Support. ghLLC. September 2005-June 2006. (This provides assistantship support for one student.)

Development of a Pause Insertion Algorithm for Improving the Capacity of MathSpeak to Disambiguate Mathematical Expressions. PRF Research Grant. July 2006-June 2007. (Lloyd & Isaacson.\*\*)

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program. Greater Lafayette Area Special Services (GLASS). September 2006-August 2007. (This provides both AAC services to GLASS and support of two graduate students.)

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program. Greater Lafayette Area Special Services (GLASS). September 2007-August 2008 with no cost extension to December 2008. (This provides both AAC services to GLASS and support of three graduate students.)

Providing Access to Science, Mathematics for students with disabilities using MathSpeak, National Science Foundation, (STTR, Phase I-B Supplement, submitted with ghLLC. July 2007-June 2008.(Schleppenbach, Lloyd & Isaacson.)

Providing Access to Science, Mathematics for students with disabilities using MathSpeak, National Science Foundation, (STTR, Phase I-B Supplement, submitted with ghLLC. January 2008-December 2008.(Schleppenbach, Lloyd & Isaacson.)

Augmentative and Alternative Communication (AAC) Collaborative Services and Professional Preparation Program. Greater Lafayette Area Special Services (GLASS). September 2008-August 2009. (This provides both AAC services to GLASS and support of three graduate students.)