Welcome to the 1985 CSHA Conference

This year’s Conference Theme, “Programming the Professions for the Future: Issues and Innovations” is an attempt to reflect the change in the professions of Speech Language Pathology and Audiology, from the State of the Art thinking to Topical Subjects. The enthusiastic response we had in terms of number and variety of submissions confirms the appropriateness of our choice. At this our 10th Annual Conference, we feel that the program truly represents the high calibre of professional accomplishment across the nation. It also inaugrates the publication of the official program as the Conference Issue of Human Communication Canada.

The task of coordinating a national conference of this depth and quality could not be possible without the dedicated involvement of people who give unstintingly of their time and energy, as well as their weekends, their evenings and their sanity. We would like to offer our sincere thanks to a Conference Committee par excellence.

Once again we are indebted to the Elks Purple Cross Fund for their support and we are grateful to have had the opportunity to coordinate our conference with their symposium.

CSHA Conference 1985 promises to be an exciting and stimulating experience. We know you will find the Hotel and The Metro Toronto Convention Center a unique site and Toronto, a city with endless possibilities. We hope you will enjoy your stay and take as much pleasure in the conference as we have had in putting it together for you. Welcome to Toronto and the 1985 Annual Conference.

Roberta Hochman
Sandra Henderson
1985 Conference Co-Chairmen

CONFERENCE COMMITTEE

CONFERENCE CO-CHAIRMEN
Roberta Hochman
Sandra Henderson

COMMITTEE
Ruth Gannon Publicity
Christie Bentham Speakers Needs
Marie Heintzman Finance
Frank Cummings Audio-Visual
Jacques Soucie Exhibits
Barbara Geller Exhibits
Priscilla Sadinsky Hospitality and Travel
Lynn Blaxley Registration
Bern O'Keefe Program
Mary Ann Witzel Program
Naneve Hawke Program
Patricia Patterson Hospitality
Terry Pennock Hospitality

Human Communication Canada/Communication Humaine Canada. Vol. 9, No. 2, 1985
Canadian Speech and Hearing Association
10th Annual Conference
L’Hôtel and Metro Toronto Convention Centre
May 9-11, 1985

PRE-CONFERENCE PROGRAM
WEDNESDAY, MAY 8

Time  Session                                      Room         Chairman
8:00-9:00 a.m.  REGISTRATION FOR WORKSHOP ON QUALITY ASSURANCE (See Registration Form)  Ontario  F. Toffolo-Frost
9:00-5:00 p.m.  WORKSHOP ON QUALITY ASSURANCE — E.M. Heston, Department of Communication Disorders — C. Dollaghan, Education Coordinator — T. Campbell, Research Coordinator, Glenrose Rehabilitation Centre, Edmonton  Ontario  
5:00-6:30 p.m.  DA:HOUSE REUNION  Suite #305
7:00-9:00 p.m.  REGISTRATION FOR CSHA CONFERENCE ’85  Metro Toronto Convention Centre (Main Floor)  
7:00-10:00 p.m.  OPEN HOUSE FOR CSHA REGISTRANTS  Suite #305

THURSDAY, MAY 9

Time  Session                                      Room  Chairman
8:00-10:30 a.m.  CONFERENCE REGISTRATION FOR CSHA  Metro Toronto Convention Centre (Main Floor)  
8:30-8:45 a.m.  PRESIDENTIAL WELCOME — J.H.V. Gilbert, President, Canadian Speech and Hearing Association  Ballroom A  
8:45-10:00 a.m.  PLENARY SESSION: HUMAN COMMUNICATION DISORDERS AND THE COMPUTER AGE — D.R. Beukelman, University of Washington, Seattle  Ballroom A  
10:00-10:30 a.m.  REFRESHMENT BREAK  
10:30-Noon  Concurrent Sessions  Ballroom A  J. Gilbert
   1. COMPUTER USES IN...  
   — D.R. Beukelman, University of Washington, Seattle
<table>
<thead>
<tr>
<th>Time</th>
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<th>Session Chairman</th>
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<tr>
<td>2:00-3:30 p.m.</td>
<td>REGISTRATION- CSHA</td>
<td>Metro Toronto</td>
<td>Convention Centre</td>
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<td>1:30-4:35 p.m.</td>
<td>Concurrent Sessions</td>
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<tr>
<td>1:30-2:30 p.m.</td>
<td>INTERDISCIPLINARY APPROACHES TO THE MANAGEMENT OF CHILDREN WITH CENTRAL AUDITORY AND LANGUAGE DISORDERS</td>
<td>Ontario</td>
<td>R. Rabin</td>
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<td>2:30-3:00 p.m.</td>
<td>P. Parke, Hugh MacMillan Centre, Toronto</td>
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<td>2:30-3:30 p.m.</td>
<td>Concurrent Sessions</td>
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<td>3:00-3:15 p.m.</td>
<td>COMMUNICATIONS PROGRAMMING FOR YOUNG NON-SPEAKING PHYSICALLY HANDICAPPED ADULTS</td>
<td>Halton</td>
<td>J. Bartram</td>
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<td>3:00-4:00 p.m.</td>
<td>L. Balfour, Augmentative Communication Service, Hugh MacMillan Centre, Toronto</td>
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<td>3:15-4:15 p.m.</td>
<td>Concurrent Sessions</td>
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<td>3:30-4:00 p.m.</td>
<td>A MODEL OF FACILITATOR TRAINING SESSIONS APPROPRIATE FOR AUGMENTATIVE COMMUNICATION PROGRAMS</td>
<td>Oakville</td>
<td>J. Weiser</td>
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<td>4:15-5:00 p.m.</td>
<td>L. Norris, Hugh MacMillan Centre, Toronto</td>
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<td>4:15-5:15 p.m.</td>
<td>Concurrent Sessions</td>
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<td>4:30-5:00 p.m.</td>
<td>The Canadian Auditory Equipment Association</td>
<td>Balcony B</td>
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<td>5:00-6:00 p.m.</td>
<td>RECEPTION HOSTED BY THE HONOURABLE JOHN AIRD, THE LIEUTENANT GOVERNOR OF ONTARIO</td>
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<td>5:00-6:30 p.m.</td>
<td>The reception will be held at Queen's Park. By invitation only. (See Registration Form).</td>
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<td>6:00-7:00 p.m.</td>
<td>Adult Learning: Its Application to Parents of Language Delayed Preschoolers</td>
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<tr>
<td>8:30-Noon</td>
<td>I. LANGUAGE INTERVENTION STRATEGIES FOR THE LANGUAGE/LEARNING DISABLED CHILD AND ADOLESCENT WHICH CONTRIBUTE TO ACADEMIC SUCCESS</td>
<td>Ballroom A</td>
<td>M. Cardozo</td>
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<td>II. VIDEO TAPE SESSION A' CLINICAL FEATURES OF FUNCTIONAL VOICE DISORDERS</td>
<td>Niagara</td>
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<td>- L. A. Rimmage, University of British Columbia</td>
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<td>It's Just the Beginning; A Hanen Early Language Parent Program</td>
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<td>- A. Manolson, Hanen Resource Centre</td>
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<td>- Hanen Early Language Parent Program Exceptions from Our New Videotape</td>
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<td>- A. Manolson, Hanen Resource Centre</td>
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<td>Introductory Sign Language: An instructional Videotape</td>
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<td>- F. Cummings, M. LaCute, Surrey Place Centre</td>
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<td>In Other Words</td>
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<td>- M. Belshem, L. Davies, Alberta Children's Hospital</td>
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<td>11. VIDEOTAPE SESSIONS 'A' CLINICAL FEATURES OF FUNCTIONAL VOICE DISORDERS</td>
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<td>- F. Cummings, M. LaCute, Surrey Place Centre</td>
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<td>8:30-10:00 a.m. I. REAL EAR GAIN MEASUREMENTS WORKING WITH PROBE MICROSCOPES</td>
<td>Grenadier</td>
<td>H. Corbin</td>
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<td>- M. Cuin, Canadian Hearing Society, Toronto</td>
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<td>II. PROGRAM OBJECTIVES FOR THE DIAGNOSIS AND MANAGEMENT OF SWALLOWING DISORDERS</td>
<td>Humber</td>
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<td>- F. Ezerer, Toronto Western Hospital</td>
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<td>- B. Fishbein, Toronto Western Hospital</td>
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<td></td>
<td>III. SCIENTIFIC SESSIONS: LANGUAGE ACQUISITION AND INVESTIGATION</td>
<td>Ontario</td>
<td>M. J. Cairns</td>
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<td></td>
<td>Comparison of the Test of Auditory Comprehension of Language and the Screening Test for Auditory Comprehension of Language with a Language Impaired Population</td>
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<td>- X. J. Fowler, G. A. Warr-Leeper, University of Western Ontario, London</td>
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<td>The Validity of the Screening Test of Adolescent Language and the Mini-Screening Test of Adolescent Language</td>
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<td>- G. A. Warr-Leeper, University of Western Ontario, London</td>
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<td>- G. A. Warr-Leeper, University of Western Ontario, London</td>
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<td>An Investigation of the Nature of Teachers' Language in the Elementary School Classroom</td>
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<td>- L. Jadd, C. Miller, M. C. Regin, G. A. Warr-Leeper, University of Western Ontario, London</td>
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<td>Language Acquisition Styles in a Pair of Young Identical Twins</td>
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<td>- C. Crox, Université de Montréal</td>
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<td>Predictive Validity of Non-Verbal Pragmatic Intentions and the Sequenced Inventory of Communication Development</td>
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<td>- P. Pearce, B. Bokesi, D. Greathorn, Alberta Children's Hospital, Calgary</td>
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<td>IV. FACT OR FANTASY: CONSEQUENCES OF FACIAL RECONSTRUCTION IN CHILDREN WITH DOWNS SYNDROME</td>
<td>Halton</td>
<td>R. Gannon</td>
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<td>- F. Morgan-Bacal,</td>
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<td>- F. Tavis</td>
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<td>Facial Treatment and Research Centre, Hospital for Sick Children, Toronto</td>
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<td>10:00-10:30 a.m.</td>
<td>REFRESHMENTS</td>
<td>Metro Toronto Convention Centre</td>
<td>S. Reainard</td>
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<td>10:30-Noon</td>
<td>I. A GROUP HEARING AID ORIENTATION PROGRAM FOR ADULTS</td>
<td>Grenadier</td>
<td>S. Reainard</td>
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<td>- R. C. Seewald, Dalhousie University, Halifax</td>
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<td>- S. Stuttard, Nova Scotia Hearing and Speech Clinic, Halifax</td>
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Human Communication Canada/Communication Humaine Canada, Vol. 9, No. 3, 1986
FRIDAY, MAY 10, 1985

Time | Session
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11:30-12:15 | II. SPEECH SYNTHESIS
12:15-1:45 | III. SCIENTIFIC SESSIONS: VOICE AND ARTICULATION
12:00-1:45 | 1. SPEECH SYNTHESIS
1:45-3:15 | 2. SESSIONS: VOICE AND ARTICULATION

**Synthetic Vocal Imitation in Hearing Impaired Children and Young Adults**
- C. R. Hurtig, St. A. Leeper Jr., Alberta School of the Deaf, Edmonton

**Session Room Chairmen**
- Halton: D. Mandryk
- Humber: D. Wolf
- Ontario: R. Hochman

**AWARDS LUNCHEON**
Registrants receive complimentary tickets

**ISSUES IN ASSESSMENT OF CHILDREN WITH LANGUAGE AND LEARNING DISABILITIES**
- J. E. Ysseldyke, Early Childhood Assessment Project, University of Minnesota, Minneapolis

**Poster Sessions**
- Aphasia Manuals Index
- P. Roberts, Royal Ottawa Regional Rehabilitation Centre
- New Blissymbol Software
- P. Parnes, S. McNaughton, Hugh MacMillan Centre, Toronto
- Training Parent-Child Communication Interaction in an Intensive Summer Program
- J. Greenberg, Hugh MacMillan Centre, Toronto
- Treating Dysfluency in a Preschool-aged Child Using "Systematic Fluency Training for Young Children"
- P. Patterson, Orillia Soldiers' Memorial Hospital, Orillia

**Human Communication Canada/Communication Humaine Canada, Vol. 9, No. 2, 1985**
A Hearing Aid Fitting and Rehabilitation System for Developmentally Delayed Clients
— B. Benham, J. Dunster, Huronia Regional Centre, Orillia
— Effects of Single-engine Aircraft Noise on Auditory Sensitivity
— J. Blum & Reynolds, R. Landry, Westman Regional Hearing Centre, Brandon, MB
Evaluation of Speech Sound Development in Children via Teledent
— E. Pressman, Children’s Hospital of Eastern Ontario, Ottawa
A Screening Test for Dementia
— L. Sawyer-Woods, Ottawa Civic Hospital

Humber: C. Shewan

A PRACTICAL APPROACH TO THE TREATMENT OF APRAXIA IN ADULTS
— P. A. Square, University of Toronto

Halton: B. O’Keefe

THE CREATIVE USE OF COMPUTER PERIPHERALS AND SPECIALIZED SOFTWARE WITH MULTIPOLY HANDICAPPED INDIVIDUALS
— E. M. Heaton, Glenrose Rehabilitation Hospital, Edmonton
— A. M. Macpherson, Glenrose Rehabilitation Hospital, Edmonton

2:00-3:15 p.m. V. VIDEOTAPE SESSIONS ‘B’

Niagara

Concurrent

Preschool Program for the Hearing Impaired,
Glenrose Rehabilitation Hospital

Continued
— K. R. Britton, S. C. McClain

3:15-3:30 p.m. REFRESHMENTS

Metro Toronto Convention Centre

3:30-5:00 p.m.

Niagara: K. Brydges

Concurrent Sessions

I. AN INVESTIGATION OF THE DEVELOPMENT OF SENSITIVITY TO MORPHEMIC STRUCTURE IN THE ORAL AND WRITTEN LANGUAGE OF YOUNG CHILDREN
— H. Ruhm, University of Toronto

Ontario: C. Arutch-MacDonald

II. SCIENTIFIC SESSIONS: LANGUAGE INTERVENTION EFFECTS OF MODALITY ON PAIRED-ASSOCIATE LEARNING OF BILINGUALS
— S. P. McBride, Welland County General Hospital, Welland,
W. S. Yovelitch, University of Western Ontario, London

Total Communication and Initial Language Learning
— J. A. Moore, Alberta Children’s Hospital, Calgary
Analysis of One Teacher’s Language to Developmentally Delayed Preschoolers
— R. Sinclair, D. Weir-Leeper, University of Western Ontario, London
Parent Focused Language Intervention Programs: Evaluating Consumer Satisfaction
— R. Tannock, Ontario Institute of Studies in Education, Toronto
Model for Intervention: Developing Dialogue Between Mothers and Delayed Children
— L. E. Girolametto, Ontario Institute of Studies in Education, Toronto

Humber: M. Webster

III. ASSESSMENT OF SPEECH MUSCLE SYSTEM FINE MOTOR CONTROL IN SPEECH PRODUCTION DISORDERS
— M. McClean, University of Toronto

Halton: A. Meltzer

IV. MANAGING THE GERIATRIC PATIENT
An Occupational Therapist’s Point of View
— P. Reading, Inter-Action Consultants, Toronto
A Social Worker’s Point of View
— D. Oldenburg, Home Care of Metro Toronto
A Speech Language Pathologist’s Point of View
— S. Kapelus, West Park Hospital, Toronto

V. GROUP THERAPY PROGRAMS FOR CHILDREN: THEIR PLACE IN TRADITIONAL TREATMENT AND PRACTICE
— D. Chuempel, Speech Foundations of Ontario, Toronto

Ballroom A: J. Passi

5:30-6:30 p.m.

Ballroom B

ANNUAL MEETING OF THE MEMBERS

Human Communication Canada/Communication Humaine Canada, Vol. 9, No. 2, 1985
SATURDAY, MAY 11

8:00
SINGLE DAY REGISTRATION
Conventional Centre
J. Walker

9:00
AN ALTERNATIVE APPROACH TO TEACHING READING TO A POPULATION WITH A HIGH RISK FOR BECOMING PROBLEM READERS
L. Eason, Stanford University, Palo Alto

9:30
IT TAKES TWO TO TALK: TRAINING PARENTS AS LANGUAGE FACILITATORS
L. Giroldetto, Haven Early Language Program, Toronto
H. A. Manolson, Haven Early Language Program, Toronto

10:00
STROBOSCOPIC EVALUATION OF THE LARYNX
D. Bless, University of Wisconsin, Madison

10:30
A Comparison of Three Audiometric Procedures in the Developmentally Handicapped
B. Benham, J. Dunster, Huronia Regional Centre, Orillia

11:00
MEETING THE CHALLENGE

11:30
Factors Contributing to Job Satisfaction/Disatisfaction in Speech-Language Pathology
F. G. Snyder, B. E. Lamont, J. A. Corcoran, University of Western Ontario, London

12:00
Stuttering and Locus of Control
L. Lamieaux, F. Floyd, J. Corcoran, University of Western Ontario, London

1:00
An Evaluation of the Effects of Fluency Training During Maintenance upon Relapse in Stutters
H. Cohen, R. C. Shenker, A. Silverman, Sir Mortimer B. Davis Jewish General Hospital, Montreal

2:00
A Case Report of Stuttering Acquired in Association with Phenytoin
M. McLean, University of Toronto

3:00
REFRESHMENTS

4:00
SESSIONS ON PROFESSIONAL ISSUES

4:30
A Case Report of Stuttering Acquired in Association with Phenytoin
M. McLean, University of Toronto

5:00
A Case Report of Stuttering Acquired in Association with Phenytoin
M. McLean, University of Toronto

5:30
A Comparison of Three Bone Oscillators as Stimulus Generators for MLRs
D. K. Brown, C. C. McRandle, Western Washington University, Bellingham, WA

6:00
Measurement of Insertion Gain and its Related Ear Mold Techniques
H. Bergenstoff, Deniwox Corporation, Copenhagen

6:30
SESSIONS ON PROFESSIONAL ISSUES

7:00
A Comparison of Three Expedient High Cut Methods
M. Chasin, Canadian Hearing Society, Toronto

7:30
Audiological Findings in a Population of Developmentally Delayed Infants
T. Bowman, J. Chase, F. Cummings, T. Pennock, Surrey Place Centre, Toronto

8:00
A Comparison of Three Audiomteric Procedures in the Developmentally Handicapped
B. Benham, J. Dunster, Huronia Regional Centre, Orillia

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10:00-10:30
REFRESHMENTS

11:00-12:00
SESSIONS ON PROFESSIONAL ISSUES
TREATING THE YOUNG STUTTERER: MANIPULATING PRE-TREATMENT AND TREATMENT VARIABLES IN FAVOR OF SUCCESSFUL OUTCOME
— L. D. Fraser, Hospital for Sick Children, Toronto
— L. Avery, Hospital for Sick Children, Toronto

1:30·3:00 p.m.
Concurrent Sessions

I. PRACTICAL STRATEGIES FOR THE DEVELOPMENT OF ORAL LANGUAGE IN ORAL AND TOTAL COMMUNICATION
— J. Shirin, North Vancouver

II. MEETING CHILDREN'S NEEDS TOGETHER
— B. Gray, Child Guidance Clinic, Winnipeg

III. FACILITATING COMMUNICATIVE INTERACTION WITH NON-SPEAKING PHYSICALLY HANDICAPPED CHILDREN
— B. Coller, Hugh MacMillan Centre, Toronto
— J. Light, Hugh MacMillan Centre, Toronto

IV. ASSESSING MICROCOMPUTER-BASED COMMUNICATION AIDS BY PHYSICALLY DISABLED PERSONS
— R. Lew, Hugh MacMillan Centre, Toronto
— F. Shein, Hugh MacMillan Centre, Toronto

V. SCIENTIFIC SESSIONS: ARTICULATION AND LANGUAGE

A Feasibility Study of the Use of Computer-Driven Amplitude/Time Display with the Treatment of Motor Speech Disorders
— K. Cherney, St. Peter's Centre, Hamilton,
— P. A. Square, University of Toronto,
— S. Forshaw, Defence and Civil Institute of Environmental Medicine, Toronto

Discourse Analysis of Phonological Intervention
— J. M. Panagos, University of Akron, Ohio

Fetal Alcohol Syndrome: A Description of Oral-Motor and Articulatory Characteristics
— M. Becker, H. A. Leeper Jr., G. Warr-Leeper, Northwestern Health Unit, Dryden

Fetal Alcohol Syndrome: A Description of Short Term Memory, Grammatical and Semantic Abilities
— M. Becker, H. A. Leeper Jr., G. Warr-Leeper, Northwestern Health Unit, Dryden

1:30-3:00 p.m.
Concurrent Sessions

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Conference Announcements

CSHA CONFERENCE OFFICE
Simcoe Room at L'Hôtel
May 8-11 9:00-5:00 p.m.

Registration Procedures
Registration will take place at the Metro Toronto Convention Center. Registration must be completed and badges must be worn for admittance to all program sessions and activities.

Registration hours:
Wednesday, May 8 7:00 p.m. - 9:00 p.m.
Thursday, May 9 8:00 a.m. - 1:30 p.m.
Saturday, May 11 8:00 a.m. - 10:00 a.m.

CSHA Booth
The CSHA Booth will be set up in the Registration area at the Metro Toronto Convention Centre. It will contain information about services provided by the Association and information about membership.

Presidential Address and Awards Luncheon
The Association Luncheon will take place at noon on Friday, May 10. Complementary luncheon tickets were available for delegates who pre-registered. Tickets are not available for on-site registrants. Following the meal, there will be a program which includes the address by Association President Gilbert entitled The Gift of Language and the presentation of Association Awards. Contributions towards the cost of the luncheon were made by The Ministry of Intergovernmental Affairs and The Metropolitan Toronto Chairman's Office.

CSHA Open House
The opening get-together of the conference takes place on Wednesday, May 8, from 7:00-10:00 p.m., Suite 305 L'Hôtel. A cash bar will be available.

Central Message Area
Metro Toronto Convention Center (Registration Area) The Message Area is a do-it-yourself operation with appropriate message forms and bulletin boards for the alphabetical posting of messages. No telephone messages will be taken at the Central Message Area. You must go to the area to post messages personally.

Placement Center
The Placement Center is located in the Registration Area at the Metro Toronto Convention Center. It consists of a bulletin board for the posting of Positions Available and Positions Wanted.

Exhibits
Metro Toronto Convention Center
Thursday, May 9 12:00-5:30 p.m.
Friday, May 10 9:00-5:30 p.m.
Saturday, May 11 9:00-3:00 p.m.

Hospitality Center and Information
Metro Toronto Convention Center (Registration Area) Information on restaurants, sightseeing and cultural and recreational activities.

The Lieutenant Governor's Reception
This reception hosted by The Honourable John Aird, will be held in the Lieutenant Governor's Suite at Queen's Park, Thursday, May 9, 5:00-6:00 p.m. This reception is by invitation only, for pre-registered delegates.

The Canadian Auditory Equipment Association Reception
Ballroom B, Thursday, May 9, 8:00 p.m. This reception is open to all registrants, speakers and exhibitors and is being hosted by the Canadian Auditory Equipment Association.

CSHA Executive and National Council Meetings
All meetings are located in L'Hôtel unless otherwise specified.

Sunday, May 5, 9:00-5:00 p.m.
Executive Council Meeting
— CSHA President's Suite

Monday, May 6, 8:45-5:00 p.m.
National Council Meeting
— Halton Room

Tuesday, May 7, 8:45-5:00 p.m.
National Council Meeting
— Halton Room
Meetings and Special Events

CSHA Conference Office will be located in the Simcoe Room at L'Hôtel. It will be open 9:00-5:00 from Wednesday May 8, — Saturday, May 11. All meetings and special events are located in L'Hôtel unless otherwise stated.

Sunday, May 5
9:00-5:00 p.m. Executive Council Meeting
CSHA President's Suite

Monday, May 6
8:45-5:00 p.m. National Council Meeting
Halton Room

Tuesday, May 7
8:45-5:00 p.m. National Council Meeting
Halton Room

Wednesday, May 8
9:00-5:00 p.m. Canadian Council of University Programs in Speech Language Pathology and Audiology
Leaside Room

5:00-6:30 p.m. Dalhousie Reunion
Suite #305

7:00-9:00 p.m. Conference Registration
Metro Toronto Convention Center/Main Floor

7:00-10:00 p.m. Open House for Conference Registrants
Suite #305

Thursday, May 9
8:00-10:00 a.m. Conference Registration
Metro Toronto Convention Center/Main Floor

12:00-1:30 p.m. Conference Registration
Metro Toronto Convention Center/Main Floor

12:00 p.m. Exhibits opening
Metro Toronto Convention Center/Main Floor/Meeting Rooms East (and West).

5:00-6:00 p.m. Reception hosted by The Honorable John Aird, The Lieutenant Governor of Ontario
Lieutenant Governor's Suite at Queen's Park (by invitation only)

Friday, May 10
10:30-12:00 a.m. Association Presidents' Meeting
Oakville Room

12:00-1:45 p.m. Awards Luncheon and Presidential Address
Constitution Hall C, Lower Level
Metro Toronto Convention Center

5:30-6:30 p.m. Annual Meeting of Members
Ontario Room

Saturday, May 11
8:00-9:30 a.m. Conference Registration
Metro Toronto Convention Center

8:45-10:30 a.m. National Council Meeting
Wellington Room

1:30-2:30 p.m. Committee on Meetings and Conference Chairpersons' meeting
CSHA President's Suite

3:00 p.m. Exhibits closing

Reminder
Check the Notice Board at Registration Area for Daily Events.

Message Center
A message center has been provided for the convenience of conference delegates in the proximity of the registration desk. Memos between delegates and/or speakers and other information may be posted there.
The Philips M-30 Series is the most advanced system of ITC aids. Philips designed this system to combine advanced electronic technology, in a replaceable miniaturized hearing aid module, with a CUSTOM-FITTED shell. To the customer, this means a comfortable fit, an optimum acoustic seal and the ability to test different modules for maximum benefit.

For the hearing aid specialist, the Philips M-30 series means complete control over fitting and servicing. The Philips M-30 Kit has all the required tools for proper fitting, including: instructions, a catalogue of components, a standard earpiece for initial testing and materials for making the ear impression. When the mould returns from the lab, simply click the hearing aid module into place. To service, just snap out the module. And, if necessary, replace, so the customer is never without aid during repairs.

"THE GIFT OF LANGUAGE"
Friday, May 10, 1985
12:00 - 1:45 p.m.

John H. V. Gilbert

John H. V. Gilbert received his undergraduate training in England and his M.Sc. and Ph.D. at Purdue University, where he was a Fulbright Scholar and David Ross Research Fellow. He joined the Faculty of Medicine at UBC in 1966 and in 1968 received a five-year post-doctoral Medical Research Council Scholarship for research in speech and hearing science. He started the School of Audiology and Speech Sciences at UBC in 1969. He is past president of the B.C. Association of Audiologists and Speech Language Pathologists and has been president of the Western Institute for the Deaf. He has served on numerous government committees throughout the period of 17 years of directing the activities of the School, is on the Advisory Board of the B.C. Medical Services Foundation and is a member of senate at the University of B.C. He is a past member of the Speech Communications Committee of the International Association on Child Language, and a consultant to the Speech Communication Technical Committee at NIH. He is listed in Who's Who in American Science. Dr. Gilbert is on the Editorial Board of Cambridge University Press for their series "Speech Science and Communication" and has published more than 43 articles.
CSHA CONFERENCE

Saturday, May 11, 8:45-10:30 a.m.
National Council Meeting
— Wellington Room

Saturday, May 11, 1:30-2:30 p.m.
Committee on Meetings and Conference Chairpersons
— CSHA President’s Suite

Other Related Professional Events

Wednesday, May 8, 9:00-5:00 p.m.
Canadian Council of University Programs in Speech Language Pathology and Audiology
— Leaside Room

Wednesday, May 8, 5:00-6:00 p.m.
Dalhousie Reunion
— Suite 305

Thursday, May 9, 4:30-6:00 p.m.
Clinical Coordinators
— Leaside Room

Friday, May 10, 10:30-12:00 a.m.
Association Presidents’ Meeting
— Oakville Room

Annual Meeting of Members
Friday, May 11, 5:30-6:30 p.m.
Ballroom B

SPECIAL EVENTS

Special Events

CSHA Open House
Wednesday, May 8
7:00 - 10:00 p.m.
Suite, 305
L’Hôtel

Lieutenant-Governor’s Reception
Thursday, May 9
5:00 · 6:00 p.m.
Lieutenant-Governor’s Suite,
Queen's Park
By Invitation Only

Canadian Auditory Equipment Association Reception
Thursday, May 9
8:00 p.m.

Presidential Address and Awards Luncheon
Friday, May 10
12:00 · 1:30 p.m.

Human Communication Canada/Communication Humaine Canada, Vol. 9, No. 2, 1985
Workshop on Quality Assurance

**Wednesday, May 8**

8:00-9:00 a.m. Registration for Workshop on Quality Assurance

9:00-5:00 p.m. Canadian Council of University Programs in Speech Language Pathology and Audiology - Leaside Room

9:00-4:00 p.m. Workshop on Quality Assurance - Ontario Room

5:00-6:30 p.m. Dalhousie Reunion - Suite #305

**Presenters**

Elaine M. Heaton M.A., Director, Department of Communication Disorders

Christine Dollaghan, Ph.D., Education Coordinator,

Thomas Campbell, Ph.D., Research Coordinator,

Department of Communication Disorders, Glenrose Rehabilitation Hospital, Edmonton

**Content**

"Quality Assurance" is becoming a highly visible process. Much of the interest in it has been generated by the increasing emphasis on evaluating quality assurance programs as an integral part of formalized accreditation processes. The Canadian Hospital Association stated in mid 1984 that quality assurance will be considered a major component of the accreditation process, and that a full quality assurance program must be in place in all accredited facilities by January 1986. Similar demands for accountability and quality care are being made in other sectors including community health, education and private practice.

**Background**

This workshop will explore many of the processes used in quality assurance programs including credentialing, retrospective chart audits, incident reports, policies and procedures, liability trends, generic screening, concurrent review, informational audits and continuing education. The participants will have the opportunity to engage in brainstorming topic areas for a quality assurance program, setting priorities and criteria, engaging in a chart audit, analyzing the data, developing an action plan and setting up periodic monitoring programs. Experiences in developing a program which is based upon active line-staff participation will be discussed.

**Registration**

Registration will be limited to 30 so that maximum opportunity for direct experience and interaction is facilitated. Participants will be expected to bring four patient files (i.e. the complete patient chart including items such as referral letter, admission form, assessment report, treatment summaries, discharge summary, test forms, treatment notes, and/or treatment plans which are routinely kept on patients at the participant’s workplace) from which all identifying information has been removed.

**Fee**

The cost of the workshop is $75.

**Date**


9:00 a.m.-4:00 p.m.
Buzz - Buzz...
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ABSTRACTS

Thursday, May 9, 1985

Focusing on the Task, Not the Tool
D. R. Beukelman
University of Washington, Seattle
8:45 - 10:00 a.m.

Abstract:
The theme of Dr. Beukelman's address is "Focusing on the Task, Not the Tool". The task of those of us in the Speech and Hearing field has changed little for many years. That task is to study human communication and its disorders, to serve the communicatively impaired, and to prepare personnel to continue our effort. Through the years, a variety of tools have been developed to assist us or distract us from our task. Perhaps no tool has the potential to assist and distract as does computer technology. Its influence already is appearing in the research, clinical service, administrative, and student preparation areas with escalating frequency. During this presentation, Dr. Beukelman will review evidence that computer technology is both assisting and distracting us from our task. He will discuss approaches to reducing the distractions in the future.

Computer Use in an Audiology Practice
E. R. Davis
Sound Linked Data
10:30 Noon (20 minute session)

Abstract:
This presentation will centre on the practical applications of personal computer hardware, software and firmware in the hearing environment. The general nature of the discussions should be of interest to professionals dealing with, or planning to deal with computers. All discussions will be of a practical application nature with emphasis placed on the most common computer misconceptions. Questions relating to computer communications, programming vs program utilization and mainframe interfacing will be addressed.

Augmentative Communication and Speech Synthesis
P. Parries
Hugh MacMillan Medical Centre
10:30 - Noon (20 minute session)

Abstract:
This session will give a view as to the role of speech synthesis and voice output devices within the realm of augmentative communication. An overview of some of the current options available will be presented and some of the pros and cons involved in their employment will be outlined. Observations regarding the use of speech synthesis by various groups of nonspeaking people will be presented and some questions will be raised as to the implication of speech synthesis for the nonspeaking population.

Computer Uses in Language Therapy
D. E. Pressman
Children's Hospital of Eastern Ontario, Ottawa
10:30 - Noon (20 minute session)

Abstract:
This session will focus on the role of the computer in the administration of diagnostic and therapy programs. The experience at the Children's Hospital in the development and use of computerized versions of the Goldman-Gristmer-Woodcock Auditory Skills Test Battery will be discussed. Some suggested guidelines for determining appropriateness and relevance of available software programs for application in an outpatients' speech and language clinic will be discussed.

Assessing Velopharyngeal Function by Videofluoroscopy and Nasendoscopy
M. A. Witzel, A. Stinger
The Hospital for Sick Children, Toronto
10:30 - Noon

Abstract:
This mini-seminar describes the techniques of videofluoroscopy and nasendoscopy for the assessment of velopharyngeal function includes types of equipment, video recording, patient selection and interpretation. In addition, the use of nasendoscopy as a biofeedback technique to improve velopharyngeal function is presented.

An Autonomous Clinical Structure
G. T. Mencher
Nova Scotia Hearing and Speech Clinic
10:30 - Noon

Abstract:
The Nova Scotia Hearing and Speech Clinic is an autonomous unit, functioning as a hospital facility of...
the Province of Nova Scotia. Its mandate includes cradle to grave services for both Audiology and Speech Pathology. This unencumbered structure permits an open referral policy, maximum use of resources, controlled organizational structure and high accountability. The presentation will include a discussion of our model, some of its strengths and weaknesses and a specific reference to professional autonomy.

Interdisciplinary Approaches to the Management of Children with Central Auditory Dysfunction

R. Keith
University of Cincinnati Medical Center, Ohio
1:30 - 4:15 p.m.

Abstract:
Central auditory assessment and recommendation for remediation has become a high priority for audiologists, speech language pathologists, and others working with communicatively impaired. Current issues include definition of central auditory dysfunction, relationships between auditory perceptual and language skills, test battery approaches and remediation. This presentation will include a discussion of these issues with an emphasis on test battery approaches used in assessing fundamental auditory and language skills, and the contributions of various interdisciplinary team members. Interpretation of test results and implications for development of remediation programs for children with central auditory dysfunction will be discussed.

Aural Rehabilitation: A Team Approach for Audiologists and Speech-Language Pathologists.

M. K. Fuller, Otologic Function Unit, Mount Sinai Hospital and Toronto General Hospital, Toronto
B. O'Keefe Graduate Department of Speech Pathology, University of Toronto
1:30 - 4:15 p.m.

Abstract:
The purpose of the workshop will be to help audiologists and speech-language pathologists work together in the development of clinical services for hearing-impaired adolescents and adults. Discussion will include: the role of the audiologist and speech-language pathologist; levels of competency; the need for integration of the two professions; and the team approach. Space and equipment requirements, program planning, program establishment and evaluation will be presented. Methods of initial and ongoing assessment will be outlined. Discussion of treatment concepts will include: individual vs group therapy; amplification management; audiology and visual training; speech and voice therapy; and situational management. The place of augmentative systems and counselling considerations will be included. Significant time will be devoted to audience discussion.

Augmentative Communication with Speech Synthesis: Practical Presentation

P. Parnes, Nora Rothschild
Hugh MacMillan Medical Centre
1:30 - 2:30, repeat 3:00 - 4:00 p.m.

Abstract:
This session will demonstrate some of the currently available synthetic speech devices. Participants will be given a chance for hands-on experience in the use of the devices. Each device will be presented along with the pros and cons of its use. Among the devices to be demonstrated will be the Epson Speechpac, the Radio Shack Talking 100, the VOIS 135 and the Apple Computer paired with various speech synthesizers.

Computer Applications of Language Therapy: Practical Presentation

D. E. Pressman
Children's Hospital of Eastern Ontario, Ottawa
1:30 - 2:30, repeat 3:00 - 4:00 p.m.

Abstract:
This session will provide participants with hands-on experience to use some currently available speech and language therapy software. An open discussion of the advantages or limitations of the software will be held. Software presented will be Apple compatible.

Communication Programming for Young Non-Speaking Physically Handicapped Adults

G. McFadden, L. Balfour, M. Jennings
Hugh MacMillan Medical Centre, Toronto
1:30 - 2:45 p.m.

Abstract:
A new communication program for young non-speaking physically handicapped students was initiated this year at the Hugh MacMillan Medical Centre.
School. This program has attempted to integrate the areas of communication, education and therapy. A special emphasis has been placed upon the areas of vocabulary growth, interactional strategies and the use of technology. The intention of this program is to remediate problems related to passivity and the lack of spontaneous expression by developing specific communicative behaviours and skills at a young age. Individuals coming through this program will be in a stronger position to assume more integrated placements with speaking peers.

Picture Your Blissymbols
H. A. Warrick, S. H. McNaughton
Blissymbolics Communication Institute, Toronto
1:30—2:45 p.m.

Abstract:

Picture Your Blissymbols is an approach to the teaching of Blissymbolics which focuses on enjoyable instruction and interaction. The approach encourages instructors to add illustrations to Blissymbols to demonstrate, in a fun way, the meaning underlying each symbol. This workshop will describe enhancement techniques, instructional modules, vocabulary selection, interaction and the rationale for the development of Picture Your Blissymbols. This program is appropriate for students who require a special teaching approach, but who can benefit from the capabilities of the system of Blissymbolics.

A Model of Facilitator Training Sessions Appropriate for Augmentative Communication Programs
L. Norris, S. Tamura
Hugh MacMillan Medical Centre, Toronto
3:30—4:15 p.m.

Abstract:
The Augmentative Communication Service (ACS), a department of the Hugh MacMillan Medical Centre (operated by the Ontario Crippled Children's Centre), provides a unique service for nonspeaking residents of Ontario. Our philosophy includes the belief that consultation to a client will be more effective if it includes training for those professionals and caregivers (facilitators) who work closely with that individual. This session will examine the sequential development of the content, the structure and the materials used by the Augmentative Communication Service in providing training for our client facilitators.

Adult Learning: Its Application to Parents of Language Delayed Preschoolers
L. E. Girolametto, J. Greenberg
Hanen Early Language Parent Program, Toronto
3:00—4:15 p.m.

Abstract:

This miniseminar is designed to teach basic principles of adult learning and group dynamics. Upon completion of this miniseminar, the participant will be able to describe the characteristics of an adult learner, apply the principles of adult learning in designing appropriate instructional activities for parents of language delayed children, outline the stages of development of a group of parent learners, implement knowledge of group dynamics to facilitate group development and learning for parents of language delayed children.

Language Intervention Strategies for the Language/Learning Disabled Child and Adolescent which Contribute to Academic Success
G. P. Wallach
Emerson College, Boston, Massachusetts
8:30 — 12:00 a.m.

Abstract:
The presentation will outline language intervention procedures and hierarchies that may have a positive impact upon the academic achievement of children and adolescents with language and learning disabilities. Some of the significant differences between home-based and school-based language and between spoken and written communication will be discussed. Strategies will be explored that relate to semantic-syntactic, phonological, and pragmatic development with an emphasis upon the metalinguistic and higher levels of language learning. Questions will be raised throughout the discussion such as: What is the role of speech language pathologists in education? What are some of the connections between oral and written language? What are some of the misconceptions surrounding auditory and linguistic processing? Study questions and case studies will be used to encourage group participation.

VIDEOTAPE SESSIONS 'A'

Clinical Features of Functional Voice Disorders
L. A. Rammage
University of British Columbia, Vancouver
8:30 — Noon

Abstract:
Signs and symptoms of primary and secondary functional dysphonias in a selective series of video images which represent commonly observed perceptual-acoustic, laryngoscopic, and musculoskeletal features are presented. Relationships among these clinical features and the implications for remediation strategies are proposed. Interdisciplinary guidelines for classification of functional voice disorders which are currently evolving in this clinic are presented.

It's Just the Beginning: A Hanen Early Language Parent Program
A. Manolson
Hanen Resource Centre, Toronto
8:30 — Noon

Abstract:
This videotape follows a 2½ year old girl with Down's Syndrome and her family through a Hanen Early Language Parent Program. The importance of early intervention and the need for parents and teachers to be sensitive to a child's attempts to communicate, so as to respond in ways that help the child learn, are emphasized. Two recent advances are featured: the advantages of following a child's lead and the involvement of trained parent assistants.

A Hanen Early Language Parent Program: Excerpts from Our New Teaching Videotape
A. Manolson
Hanen Resource Centre, Toronto
8:30 — Noon

Abstract:
The videotape is designed for use by speech pathologists, when giving presentations or workshops on facilitating initial language acquisition in the pre-language and emerging language child, as a catalyst for group learning through observation and discussion. Parents are shown in positive, natural interactions with their children who represent each of four different levels of communication development. The material is divided into five modules, each of which complements a chapter in the Hanen guidebook.

Introductory Sign Language: An Instructional Videotape
F. Cummings, M. Lacue
Surrey Place Centre, Toronto
8:30 — Noon

Abstract:
The viewer is introduced to a Basic, Functional Vocabulary through interactive learning with the Sign Demonstrator on the videotape. Each category of signs demonstrated is immediately followed by a Review Section which requires the viewer to interpret or demonstrate a particular sign. The tape was developed for caregivers of mentally retarded clients. Suitable viewers would have little or no familiarity with signing, or individuals with basic skills which need refreshing.
In Other Words
M. Belshein, L. Davies
Alberta Children's Hospital, Calgary
8:30 — Noon

Abstract:
This nine minute film, transferred onto videotape, focuses on the children in the Augmentative Communication Class at Dr. Gordon Townsend School (1983, Calgary). This is a classroom for communicatively handicapped children in which a team approach is used to meet the educational and communicative needs of the children, with emphasis placed on Blissymbols as the primary augmentative communication system. The film was made by the Film Production Students at the Southern Alberta Institute of Technology.

Real Ear Gain Measurements
M. Chasin
Canadian Hearing Society, Toronto.
Private Practice, Toronto
8:30 — 10:00 a.m.

Abstract:
Clinically, the probe and probe tube microphones are gaining acceptance. They are now used expeditiously for hearing aid evaluations for patients of all ages, in order to get exact information. Both theoretical and pragmatic issues will be addressed including hands-on experience with both probe tube and probe microphone assemblies. Real-ear gain information will be overviewed from the literature. The two real-ear gain measurement techniques will be compared.

Program Objectives for the Diagnosis and Management of Swallowing Disorders
F. Ezerzer, M. Fishbein
Toronto Western Hospital, Toronto
8:30 — 10:00 a.m.

Abstract:
In recent years, the profession of Speech Pathology has assumed a leadership role in the diagnosis and management of acquired swallowing disorders in adult populations. This interest has led to an explosion in program development involving clinicians in various settings and has precipitated numerous administrative issues. The mini seminar will emphasize the parameters to be considered in planning a program, while taking into account the specific needs of the various health care settings. An overview of the anatomy and physiology of swallowing and its disorders will be presented as a framework for discussing the program of an acute care hospital. Audience participation will be invited to discuss administrative problems and solutions.

SCIENTIFIC SESSIONS

Comparison of the Test for Auditory Comprehension of Language (TACL) and the Screening Test for Auditory Comprehension of Language (STACL) with Language Impaired Population
K. J. Fowler, G. A. Warr-Leeper
University of Western Ontario, London
8:30 — 10:00 a.m.

Abstract:
Reliability and validity measures were gathered for the Screening Test for Auditory Comprehension of Language (STACL) with language-impaired children. Reliability coefficients measuring internal consistency were within acceptable levels. Concurrent validity, as established by comparison of the STACL to the Test for Auditory Comprehension of Language (TACL) yielded high significant correlations. False negative and positive identification of clinical relevance were high. It is therefore recommended that the STACL be utilized with caution when screening children with a suspected language impairment.

The Validity of the Screening Test of Adolescent Language and the Mini-Screening Test of Adolescent Language
G. A. Warr-Leeper, N. Webb, L. Christopher
University of Western Ontario, London
Chilliwack School District, Chilliwack
Thistleauan Regional Centre for Children, Rexdale
8:30 — 10:00 a.m.

Abstract:
The performance of 32 normal language learners and 27 language impaired subjects between the ages of 10 and 19 years on the Screening Test of Adolescent Language (STAL) and a five-item miniversion (Mini-STAL) were compared to results of a language diagnostic battery to determine identification accuracy. Both screening tests failed to identify large numbers of language impaired subjects. The Mini-STAL had a substantially lower false negative rate that the STAL, however the STAL had lower false positive rates.
An Investigation of the Nature of Teachers' Language in the Elementary School Classroom

M. C. Riggin, C. Miller, L. Jodd, G. A. Warr-Leeper
The Royal Victoria Hospital of Barrie, Barrie
Musoka Parry Sound Health Unit, Bracebridge
University of Western Ontario, London
8:30 - 10:00 a.m.

Abstract:
The nature of the classroom language addressed to elementary school children was investigated. Two of each math, reading and language arts lessons from grades kindergarten to eight were analyzed for syntactic complexity, vocabulary level, numbers and types of dysfluencies. Differences in speaking rates across the grades were also evaluated. In general, the results suggested that teachers were not calibrating to the level of their students. Possible explanations and implications of the results are discussed.

Language Acquisition Styles in a Pair of Young Identical Twins

C. Cronk
Université de Montréal, Montréal
8:30 - 10:00 a.m.

Abstract:
Twin boys aged 2:9 communicating by sophisticated gestures and having verbal development typical of 12 to 18 months were referred to a speech-language pathologist. Emerging verbal language in one showed a more referential style, in the other, a more expressive (cf. Nelson, 1973). Results from the parent-intervention based language development strategies used for them suggest a definite need to take into account individual language learning styles in decisions regarding early intervention.

Predictive Validity of Non-Verbal Pragmatic Intentions and the Sequenced Inventory of Communication Development

P. Steig Pearce, B. Boleantu, D. Creighton
Alberta Children's Hospital, Calgary
8:30 - 10:00 a.m.

Abstract:
The predictive validity of standardized cognitive and language assessments have been shown to be poor in children under 24 months (McCall, 1979). The development of assessment tools which evaluate prelinguistic sensorimotor skills, in addition to auditory comprehension and verbal skills, may improve predictability. Bates (1979) has suggested that pragmatic intentions are the basis of later communication acts and reported evidence that some pragmatic functions may be precursors to verbal communication. Current standardized measures such as the Sequenced Inventory of Communication Development (SICD), lack sufficient items to assess non-verbal pragmatic intentions. The Assessment of Early Pragmatic Intentions (AEPI) has been developed to address this shortcoming. Thirty high-risk infants were assessed at adjusted ages of 12 months and later 18 months, using the AEPI and SICD. Results of the 12m. AEPI demonstrated the presence of 7 non-verbal pragmatic intentions in 80% of the infants. (Pearce and Boleante, 1984). Predictive validity of the AEPI will be reported using the SICD and language items from the Bayley Scales of Infant Development.

Fact or Fantasy: Consequences of Facial Reconstruction in Children with Down's Syndrome

F. Margar-Bacca, I. R. Munro, E. M. Arndt, F. Travis
The Hospital for Sick Children, Toronto
8:30 - 10:00 a.m.

Abstract:
This seminar will describe an on-going program of facial reconstructive surgery in Down's Syndrome individuals. The plastic surgeon, team leader will describe surgical procedures, results, and research findings from anthropomorphic measurements. The speech pathologist will present findings on acoustic speech intelligibility (for word naming and connected speech tasks) after partial glossectomy. The psychologist will present data on pre and post-operative levels of intelligence. The team social worker will report research findings of pre and post-operative social competence, integration and family life.

A Group Hearing Aid Orientation Program for Adults

C. Seevold, S. Stuttard
Dalhousie University, Halifax
Nova Scotia Hearing and Speech Clinic, Halifax
10:30 - Noon

Abstract:
The rationale, general structure and procedures for a six-session group program for adventitiously
hearing-impaired adults will be presented. One result of this program has been the development of a variety of printed and audio-visual materials including color video-tape recordings of the Speech Perception in Noise (SPIN) Test. The nature and use of materials developed for this program will be presented. Additionally, several alternate approaches to providing hearing aid orientation programs for adults will be discussed.

Speech Synthesis
E. M. Heaton, A. M. Lopushinsky
Department of Communication Disorders
Glenrose Rehabilitation Hospital, Edmonton
10:30 — Noon

Abstract: This seminar will enable the participants to become familiar with the three principal types of speech synthesis which are currently used. The differences between each type, their advantages and limitations will be discussed. The participants will then have the opportunity to listen to the quality of some of the speech synthesizers which are used frequently. The flexibility of these synthesizers will be demonstrated and participants will learn the procedural steps involved in making modifications to phonemes, and to parameters such as filter frequency, rate, pitch and intonation. An overview will be provided of the augmentative communication systems which permit a synthesized speech output, including those which limit the output to pre-stored words, phrases and sounds, compared to those systems which allow unlimited text-to-speech output. Participants will learn the procedural steps involved in making modifications to phonemes, and to parameters such as filter frequency, rate, pitch and intonation. An overview will be provided of the augmentative communication systems which permit a synthesized speech output, including those which limit the output to pre-stored words, phrases and sounds, compared to those systems which allow unlimited text-to-speech output.

Synthetic Vowel Imitation by Hearing Impaired Children and Young Adults
R. R. Hurtig, H. A. Leeper
Alberta School for the Deaf, Edmonton
University of Western Ontario, London
10:30 — Noon

Abstract: Imitations of 15 synthesized vowels were recorded for 13 hearing-impaired children and young adults. The first three formant frequencies of the vowel imitations were estimated from spectrograms. The techniques of Kent and Forner (1979) were used to analyze the data. Results indicated that some subjects were able to maintain appropriate vowel formant frequency relationships but the variability was large. Developmental trends were noted. Vowel formant frequency relationships and developmental changes were less predictable than demonstrated for normal hearing subjects. Results are discussed with respect to early intervention and treatment.

Voice Onset Time in Seventy to Seventy-Five Year Old Females
R. R. Hurtig, H. A. Leeper, Jr.
North Okanagan Health Unit, Vernon
University of Western Ontario, London
10:30 — Noon

Abstract: Voice Onset Time (VOT) was studied in 10 females. Measurements were made from spectrographic displays of the syllable productions. The syllables were compared for conditions of the vowel (tense/lax) and the final consonant (voiced/voiceless) for data grouped within and across three places of articulation for voiced/voiceless initial plosives. Comparison with previous studies for young adult VOT productions and older normal adult subjects' VOT was longer for older adults, and that variability across phonetic contexts was greater in the voiceless plosives.

The Effect of Intensity, Phonetic and Sex Variables upon Laryngeal Airway Resistance
J. V. Allan Wilson, H. A. Leeper, Jr.
University of Western Ontario, London
10:30 — Noon

Abstract: Laryngeal airway resistance (Raw) was measured according to the following parameters: intensity level (25th vs 50th vs 75th percentile of each subject's intensity range); phonetic structure of test stimuli (p vs b); and sex (male vs female). The indirect non-invasive technique described by Smithera & Hixson was utilized. Consistency of performance was examined across two consecutive days and no significant differences were noted. Comparison of the syllables /p/ and /b/ demonstrated significant differences of Raw values for females only.
The Usefulness of a Palatal Lift Appliance for Altering Speech Behaviour in Dysarthric Speakers with Velopharyngeal Incompetence

H. A. Leeper, Jr., P. S. Sills
University of Western Ontario, London
10:30 — Noon

Abstract: Twenty-four individuals with velopharyngeal closure difficulties were seen for prosthetic and speech assessment. Approximately six months following initial evaluation and fitting of a palatal lift appliance, the patients were re-assessed. The results showed decreased nasal air flow and smaller estimated radiographic and aerodynamic velopharyngeal orifice area values, improvement in listener judgments of resonance balance, and increased oral aerodynamic characteristics. Techniques for prosthetic construction and implications for speech management will be discussed.

A Preliminary Evaluation of Oral Port Constriction and Articulation Performance with Mandibular and Combined Maxillary-Mandibular Osteotomy Patients

H. A. Leeper, Jr., R. G. Colcleugh, V. Poruchko, J. V. Wilson
University of Western Ontario, London
Thames Valley Children's Centre, London
10:30 — Noon

Abstract: This investigation was designed to describe the oral port constriction (size) in patients with mandibular and combined maxillary and mandibular malocclusions. Subject groups were compared on the basis of dental anomaly, articulation performance and oral port constriction before and after surgery. The results indicated no change in the estimated size of the velopharyngeal port for either group following surgery, slight improvement in articulation skills and alterations in temporal characteristics of fricative production.

Presbyacusis — The Decline of Auditory Function

M. Bergman
Sackler School of Medicine
Tel-Aviv University, Israel
10:30 — Noon

Abstract: The talk will be concerned with age-associated changes in function, both peripheral and central, focusing particularly on the effect of the understanding of speech. Each of the points covered will involve comparison between normally-functioning young listeners and increasingly older adults, with emphasis on the early signs of change in the "middle" years. Finally, suggestions will be offered for corrective measures in addition to the use of personal hearing aids, such as changes in communication equipment, particularly the telephone, and in room acoustics, and the popularization of assistive listening devices.

Issues in Assessment of Children with Language and Learning Disabilities

J. Ysseldyke
Early Childhood Assessment Project, University of Minnesota, Minneapolis
2:00 — 5:00 p.m.

Abstract: Issues and concerns in assessment of students will be addressed. Focus will be on how school personnel use assessment information to make referral, classification, instructional, and evaluation decisions. Ysseldyke was director of the University of Minnesota Institute for Research on Learning Disabilities for six years. He will address the implications of the Institute research findings for assessment and decision-making practices.

Validation Procedures for the Identification of Language-Disordered Kindergarten Children

D. Illerbrun, P. Greenough, L. Haines
University of Saskatchewan, Saskatoon
2:00 — 3:15 p.m.

Abstract: This mini-seminar will present and discuss several theoretical and practical issues that influence the identification of language disorders in kindergarten children. The presentation will be based on a research project that was designed to identify severely- and mild/moderately language disordered kindergarten children. Clinical considerations and research implications will be discussed.
Aphasia Manuals Index

P. Roberts
Royal Ottawa Regional Rehabilitation Centre, Ottawa
2:00 - 3:15 p.m.

Abstract:
Time-saving, field-tested index of twelve of the most commonly used aphasia manuals. For every exercise, the index tells the user: 1) where to find it; 2) stimulus and response modalities; 3) approximate stimulus and response lengths; 4) response type (copying, fill-ins, etc.). Index headings cover standard aphasia tasks. The index saves time, helps organize therapeutic hierarchies and facilitates optimal use of all exercises in all books.

New Blissymbol Software

S. McNaughton, P. Parnes
Blissymbolics Communication Institute, Toronto
Hugh MacMillan Medical Centre, Toronto
2:00 - 3:15 p.m.

Abstract:
The poster session will demonstrate two Blissymbol software programs for the Apple II and Apple IIe that have been developed through the Blissymbolics Communication Institute and the Hugh MacMillan Medical Centre - Blisspen and Blissymbol Body Builder. Blisspen provides "word processing" capabilities for over 300 Blissymbols. Blissymbol Body Builder introduces Blissymbol vocabulary relating to body parts and the use of the action indicator as the young student builds Blissymbol figures. Other Apple Blissymbol software currently available will be described and information will be available relating to Blissymbol programs under development for the Canadian Educational Microcomputer (ICON).

Assessment and Treatment of Patients with Velopharyngeal Incompetence

J. Hughes, M. Lyttle, S. Micheis
Parkwood Hospital, London
2:00 - 3:15 p.m.

Abstract:
This paper outlines the criteria for selection of patients with velopharyngeal incompetence for a palatal lift appliance, in conjunction with a more traditional speech remediation program. A diagnostic protocol is presented. A co-ordinated team treatment approach is presented for the pre-fitting stage of remediation as well as post-fitting, as well as speech pathology specific treatment techniques in the areas of respiration, phonation, resonance and articulation. A gag reflex desensitization program is also presented. The paper concludes with guidelines for discharge and follow-up.

Training Parent-Child Communicative Interaction in an Intensive Summer Program

J. Greenberg
Hugh MacMillan Medical Centre, Toronto
2:00 - 3:15 p.m.

Abstract:
The Hanen Summer Program has been offered at the Hugh MacMillan Medical Centre to determine if more effective communicative interaction between parents and their language delayed pre-schoolers can be established in an intensive 3-week period. The program combines parent training, direct treatment with the child and an opportunity for parents to interact with their children, with the clinician present to provide feedback in a group setting. Positive changes have occurred in the communicative behaviour of the parents and children.

It Takes Two to Talk: Resource Support for Implementation

R. F. Corr, H. A. Manolson
Hanen Resource Centre, Toronto
2:00 - 3:15 p.m.

Abstract:
This poster display outlines the current format of the model Hanen group-parent-training program and shows how information arising from research on the model is refined, developed and disseminated among professionals. It shares information on materials and support services developed to enable speech professionals to help parents to facilitate initial language acquisition in the pre-language and emerging language child.

Communication Development - Assessment and Therapy Programs for the Developmentally Delayed

A. Rekret
Orillia Soldiers Memorial Hospital, Orillia
2:00 - 3:15 p.m.

Abstract:
Communication Development - Assessment of therapy scales provides a systematic developmental
approach to the achievement of functional, appropriate communication skills for the developmentally delayed. The intent of the Communication Development Scales is to assist anyone in preparing therapy plans that take the client from their current level of performance to the next sequence of developmental behaviour by providing baseline behaviour data.

Treatment of Dysfluency in a Preschool-Aged Child Using "Systematic Fluency Training for Young Children"
A. Patterson
Orilla Soldier's Memorial Hospital, Orilla
2:00 — 3:15 p.m.

Abstract:
The treatment of two severely dysfluent preschool-aged boys using "Systematic Fluency Training for Young Children" by R. E. Shine, Ph.D. is described. The program is based on establishing a fluent mode of speech in gradually longer more complex speaking tasks and involving and training a significant other in the child's environment. Data reflecting increased fluency will be presented to support the overall effectiveness of this program. The limitations of this program in its application to these particular clients will also be presented with alternative treatment strategies based on the current literature.

A Hearing Aid Fitting and Rehabilitation System for Developmentally Delayed Clients
J. Dunster, B. Benham
Huronia Regional Centre, Orilla
2:00 — 3:15 p.m.

Abstract:
A service delivery model is presented for auditory rehabilitation in developmentally delayed individuals. It explains how facility operated audiology programs can act as a base for servicing a range of clients including those who do not currently receive it (i.e., clients in nursing homes for the developmentally handicapped). Our service incorporates diagnosis, extensive inservicing and follow-up utilizing a mediator model approach as well as computerization. It presents issues unique to the developmentally handicapped population and possible solutions.

Effects of Single-Engine Aircraft Noise on Auditory Sensitivity
J. Blum, B. Reynolds, R. Landry
Westman Regional Hearing Centre, Brandon
2:00 — 3:15 p.m.

Abstract:
This investigation determined the effects of single-engine aircraft noise on the auditory sensitivity of flight students and instructors during routine university flight training. Forty subjects, twenty students and twenty instructors, participated. Pre- and post-noise exposure thresholds and sound level measurements at the aircraft noise, at different stages of flight were obtained. Comparisons of differences between pre- and post-noise exposure thresholds for the two groups and implications of these differences will be presented.

Evaluation of Speech Sound Development in Children with Telidon
D. E. Pressman
Children's Hospital of Eastern Ontario, Ottawa
2:00 — 3:15 p.m.

Abstract:
The Telidon Articulation Screening Program and the Programme Telidon de Depistage des Troubles de l'Articulation are recent applications for the delivery of health care via a videopex system. The program consists of 50 colour graphic pages in the English language version and 45 pages in the French version. The programs, which were designed for preschool and young school-aged children, can be completed in ten minutes. Parents, clinical assistants or other professionals, can use the program. Interpretation of a child's speech sound development is obtained through a comparison of performance with a normal developmental chart provided in the program. The Telidon System has been found to be powerful, flexible and low in complexity for this application. The presentation of clear, colourful, pictorial representations which draw up on the screen to elicit responses from the young child makes Telidon particularly well suited to this application. This program has been used at the Children's Hospital of Eastern Ontario.

A Screening Test for Dementia
L. Sawyer Woods
Ottawa Civic Hospital, Ottawa
2:00 — 3:15 p.m.
Abstract:
A screening test of speech and language has been developed and administered to the majority of Day Hospital and in-patient clients in a new Geriatric Assessment Unit. The test is designed to screen for impairments in linguistic and cognitive-linguistic abilities. It also assesses comprehension and use of various speech acts as well as pragmatic communication skills. Language samples taken during the screening test are analyzed for narrative and procedural discourse features. The test appears to be accurate in identifying the language of dementia and may be sensitive to language changes in early dementia.

P. A. Square
University of Toronto, Toronto
2:00 - 3:15 p.m.

Abstract:
The purposes of this session are to review current approaches and specific techniques used for treating acquired apraxia of speech, to present their neuromotor and/or neurolinguistic rationales, and to identify the types of patients for whom each approach is most appropriate. General suggestions for selection of stimuli and stimulus-response ratios will also be summarized. In addition, several new approaches to management not yet published will be considered.

E. M. Heaton, A. M. Lopushinsky
Glenrose Rehabilitation Hospital, Edmonton
2:00 - 3:15 p.m.

Abstract:
The typical method of input (keyboard) and output (transient visual display or printed text) of the traditional microcomputer system can be modified to improve its accessibility for the handicapped person. Adapted input systems will be explored including voice input, expanded keyboards, alternate keyboards, emulating interfaces. The Adaptive Firmware Card Output options including transient visual or printed display of special symbol systems, and graphics or synthesized speech will be discussed. Special applications will be demonstrated.

K. R. Brinton, S. C. McClain
The Glenrose Rehabilitation Hospital, Edmonton
2:00 - 3:15 p.m.

Abstract:
This 20-minute video is a description showing assessment, parent-infant and group program components of the Glenrose Preschool. We believe that the flexibility of approach that we are able to use allows us to accommodate diagnostic treatment and to develop the most appropriate educational approach for each individual child.

H. Rubin
University of Toronto, Toronto
3:30 - 5:00 p.m.

Abstract:
This study assessed the morphological knowledge of children in kindergarten and first grade in relation to their early spelling ability. Children were grouped by morphological competence (their implicit understanding of morphology) and were then given tests of dictated spelling, morphological analysis, and phonological analysis, using words of one and two morphemes. Results demonstrate the importance of morphological knowledge, both in terms of underlying competence and explicit awareness, as a critical factor in the development of spelling proficiency.

S. P. McBride, Wm. S. Yovetich
Welland County Hospital, Welland
University of Western Ontario, London
3:30 - 5:00 p.m.

Abstract:
Visual and auditory modalities were manipulated in a paired-associate task to examine the effects upon learning Blissymbols. Previous research has only...
used written words paired with Blissymbols, which does not reflect the traditional clinical procedure used in teaching Blissymbols to non-reading individuals. The psychological attribute of Blissymbols, defined as Representativeness (R), was also manipulated to determine whether it affected the learnability of the Blissymbol-word pairs presented in different sensory modalities. Results and implications will be discussed.

**Total Communication and Initial Language Learning**

J. A. Moore  
Alberta Children's Hospital, Calgary  
3:30 — 5:00 p.m.

**Abstract:**  
This case study will review use of the total communication philosophy with a child presenting a bilateral severe to profound sensorineural hearing loss. Progress in the areas of auditory training, signed English acquisition and speech acquisition covering a time span from nine months to two and one half years will be presented along with techniques used to facilitate growth in these areas. This child has developed language skills over a year above her chronological age when compared to a normal hearing child with well developed auditory skills and emerging speech.

**Analysis of One Teacher's Language to Developmentally-Delayed Preschoolers**

D. Vickerman, G. Warr-Leeper, R. Sinclair  
University of Western Ontario, London  
3:30 — 5:00 p.m.

**Abstract:**  
The language of one teacher to ten developmentally-delayed preschoolers was analyzed with respect to modifications made to the levels of individual children and the facultory or inhibitory effects of the teacher's speech were also determined. Implications for teacher training in language facilitation are drawn.

**Parent Focused Language Intervention Programs: Evaluating Consumer Satisfaction**

R. Tannock, H. A. Manolson  
Ontario Institute for Studies in Education, Toronto  
3:30 — 5:00 p.m.

**Abstract:**  
Sixty-three families participated in a two year intervention project in which parents were trained in effective methods of facilitating their child's communication skills. Parental attendance and parental ratings of individual program components were used to evaluate parental satisfaction and program strengths. Parents' confidence in assuming the role of primary change agent was measured. A follow-up questionnaire evaluated the long term effects of the program. Criteria for program evaluation and accountability procedures are outlined.

**Model for Intervention: Developing Dialogue Between Mothers and Delayed Children**

L. E. Girolametto  
Hanen Early Language Parent Program, Toronto  
3:30 — 5:00 p.m.

**Abstract:**  
This study examines the development of dialogue between mothers and their developmentally delayed children who were involved in a parent-focused intervention program which taught parents to increase their responsiveness to children through the use of more equal turn-taking and feedback in the form of expansions, imitations and labels. Analyses focus on quantitative measures of change (number, length and ratio of mother-to-child turns) and qualitative changes (topic maintaining, topic switching and uninvolved turn units).

**Assessment of Speech Muscle System Fine Motor Control in Speech Production Disorders**

M. McLean,  
Department of Speech Pathology  
University of Toronto  
3:30 — 5:00 p.m.

**Abstract:**  
In evaluating speech production disorders, speech pathologists often assess the levels of performance of different speech muscle systems (e.g., lips, larynx, chest wall). The goal of this seminar is to stimulate thinking on ways of improving the quality of this process. The seminar will be comprised of three sections: (1) a review of previous research on movement control processes in speech production disorders, (2) presentation of one approach to quantitative assessment of speech muscle fine motor control in neurogenic disorders, and (3) general discussion of methods used by others with suggestions for future research.
Managing the Geriatric Patient from an Occupational Therapist's Point of View
P. Keating
Inter Action Consultants, Toronto
3:30 - 4:00 p.m.
Abstract:
To communicate effectively and with pleasure one must be in a position to do so. Unfortunately much of today’s furniture does not facilitate good posture. This particularly true of the “geriatric chair” in which many an elderly patient is forced to remain for hours unable to adjust his posture to interact with his companions. My discussion will concern how to modify simply and inexpensively the furniture and wheelchairs in which the elderly spend their days.

A Social Worker's Point of View
D. Oldenburg
Home Care Program For Metropolitan Toronto, Willowdale
4:00 - 4:30 p.m.
Abstract:
In my presentation I will focus on depression of the elderly. I shall offer some general data, the problem of under-reporting in medical circles, and its consequences in treatment of the elderly. Using case illustrations, symptoms of reactive depression and appropriate interventions will be discussed. In all cases, several disciplines were involved, thus stressing the multidisciplinary team approach.

Group Therapy Programs for Children: Their Place in Traditional Treatment and Practice
D. Chumpelik
Centre for Communication Disorders, Toronto
3:30 - 5:00 p.m.
Abstract:
This presentation will focus on the development of a pre-school group therapy program called the Centre for Communicative Disorders. The Centre presently serves approximately 70 children, ages 2 - 6, two to three times per week, all of whom are involved in group treatment (individual therapy is available as needed). Emphasis will be placed on the development of realistic expectations when developing a program of this type and on the many variables affecting the treatment outcome. Frustrations and revelations of group treatment will be explored and solutions for successful grouping, goal setting and objectives covered. Present research developed to test the efficiency of such a model will be reviewed and future directions and plans of this type of treatment model will be discussed.

A Speech Pathologist's Point of View
Managing the Chronic-care Geriatric Patient: On the role of the Speech Language Pathologist
G. J. Kaplus
West Park Hospital, Toronto
4:30 - 5:00 p.m.
Abstract:
Increasingly Speech Language Pathologists are being involved in the overall management of geriatric patients in such varied settings as rehabilitation, Day Hospital and home-based programmes, residential centres and chronic-care facilities. In determining an appropriate and effective (communication disorders) service delivery model for a given setting, the Speech Language Pathologist must first confront several critical issues: What are the kinds of communication disorders one encounters in that setting? How widespread and how functionally significant are these disorders? What kinds of communication goals and what forms of intervention are appropriate/realistic/possible in that setting? Where does the Speech Language Pathologist fit into the total patient management picture? This presentation will a) review and discuss these critical issues and b) describe one service delivery model for communication disorders that has been developed for chronic care patients at West Park Hospital. The model is based upon Lubinski's concept of "Environmental Intervention" and the interdisciplinary team and 'significant others' approach to identification, evaluation and intervention.
An Alternative Approach to Teaching Reading to Children at High Risk for Failure

J. Eisenson
Stanford University
Palo Alto, California
8:30 — Noon

Abstract:
From 20 to 25 percent of our population have varying degrees of proficiency in reading. At least ten percent of the adolescent and adult population in the United States are functionally illiterate. Related to their reading problems are ones for language learning. This, in turn, is the underlying cause of most learning disabilities. Reading is a cognitive, language based skill. At a minimum reading is a decoding process that enables a reader to derive meaning from a written display. The display may be directly representational, agreed upon representations, or one that employs abstract symbols. Most children can learn to read by almost any approach, and some despite the approach that is current and required in many school settings. However, about ten percent of primary grade children are likely to become deficient or a best improficient readers unless the teaching approach is compatible with their state of neurophysiological development and their cognitive style and ability. The Reading for Meaning program employs a psycholinguistic approach that teaches language along with reading with meaning established at the outset. R-M is intended for children who are at high risk for failure. The rationale for the program and the recommended procedures will be explained in the presentation.

It Takes Two To Talk: Training Parents As Language Facilitators

H. A. Manolson L. Girolametto
Hanen Early Language Parent Program, Toronto
8:30 — Noon

Abstract:
This seminar is designed for speech language pathologists who are not familiar with the content of the Hanen Early Language Parent Program. It provides practical guidelines for training parents to facilitate initial language acquisition in the home environment. The content and process of the Hanen Program is described and demonstrated using videotapes of parent-child interactions. The unique coordination of program leaders ol speech pathologists and trained parent assistants (themselves parents of handicapped children) is discussed.

Stroboscopic Evaluation of the Larynx

D. M. Bless
University of Wisconsin, Madison
8:30 — Noon

Abstract:
This video-stroboscopy seminar is designed to introduce speech clinicians to the principles, procedures, and applications of videostroboscopy. Videotapes will be used to teach attendees how to describe the vibratory characteristics of both normal and disordered phonation and how to interpret the recorded data to make physiologically-based assessment and remediation decisions. The specific objectives of this seminar are as follows: 1) to describe principles, procedures and applications of videostroboscopy 2) to describe vibratory characteristics of the vocal folds using videostroboscopic records 3) to provide clinical examples of how to interpret videostroboscopic recordings 4) to relate videostroboscopic recordings to diagnosis and management of vocal dysfunction.

It Takes Two To Talk: Training Parents As Language Facilitators

H. A. Manolson L. Girolametto
Hanen Early Language Parent Program, Toronto
8:30 — Noon

Abstract:
This seminar is designed for speech language pathologists who are not familiar with the content of the Hanen Early Language Parent Program. It provides practical guidelines for training parents to facilitate initial language acquisition in the home environment. The content and process of the Hanen Program is described and demonstrated using videotapes of parent-child interactions. The unique coordination of program leaders ol speech pathologists and trained parent assistants (themselves parents of handicapped children) is discussed.

Scientific Sessions: Audiology

Clinical Use and Comparison of Three Expedient High Cut Methods

M. Chasin
Canadian Hearing Society, Toronto
Private Practice, Toronto
8:30 — Noon

Abstract:
When initially adjusting to a wideband hearing aid, people frequently comment that speech is "tinny" or "unnatural". This is primarily due to previously unencountered high frequency sound energy. Three clinically expedient methods are compared which temporarily decrease the high frequency transmission of sound. Quality scales, probe tube microphone estimates of insertion gain, and KEMAR data are utilized. Acoustic methods seem to be preferred by the patients rather than electrical ones. Implications for rehabilitation are discussed.
**Case Study: Auditory Evoked Response and Central Auditory Processing in a Patient with Right Temporal Lobectomy**

S. G. Stanton-Stoncius, H. O. Barber
Sunnybrook Medical Centre, Toronto
8:30 — Noon

**Abstract:**
This case study concerns a patient with right temporal lobectomy, who had problems hearing on the telephone with the left ear and in noisy situations. Audiometric and impedance results were normal bilaterally, with the exception of abnormal stapedius reflex decay at 1 KHz in the left ear. A central auditory processing battery was administered. The results were abnormal in the left ear for some tests suggesting normal central auditory processing at the brainstem level, and central auditory dysfunction at the level of the auditory reception area in the right hemisphere. Auditory brainstem and middle latency responses using various stimuli and recording parameters will also be reported.

**British Columbia Industrial Audimetric Program — 5 Years Later**

E. Roberts,
Hearing Conservation Program Supervisor
Workers' Compensation Board of British Columbia
8:30 — Noon

**Abstract:**
The Workers' Compensation Board of British Columbia has required hearing tests on noise-exposed workers since January 1, 1978. Data from the Industrial Audimetric Program has been computerized since 1979. Hearing loss change from year to year can be determined from the data on file and used as one measure of the effectiveness of hearing testing as part of a Hearing Conservation Program. The data provides information between and within industrial classifications, as well as hearing loss profiles by occupation. Examples of this use of the hearing test data are provided.

**The Use of Post-Auricular Hearing Aids in a Pediatric Population; A Clinical Report**

R. J. Pell, M. H. Boyden, L. M. Kreuk
Hospital for Sick Children, Toronto
8:30 — Noon

**Abstract:**
The advent of versatile and powerful post-auricular hearing aids has introduced a viable option to the body-worn instrument in amplification devices. The natural level of the head provides a 360 degree azimuth of hearing eliminating body baffle effects and amplification of clothing noise commonly experienced with body worn instruments. This paper presents the philosophy of the Division of Audiology, The Hospital for Sick Children in prescription of post-auricular hearing aids with a pediatric hearing impaired population, as reinforced by an auditory oral habilitationist and parent opinions.

**Audiological Findings in a Population of Developmentally Delayed Infants**

T. Pennock, J. Choate, T. Bouman, F. Cummings
Surrey Place Centre, Toronto
8:30 — Noon

**Abstract:**
The audiological assessment findings of 50 developmentally delayed infants tested as part of a Multidisciplinary Infant Developmental Assessment will be presented. Behavioural audiometric results will be analyzed according to diagnosis and in comparison with the infant’s performance on testing conducted by different disciplines. Discussion will focus upon the auditory responses of developmentally delayed infants versus normal babies, and the benefit of a multidisciplinary approach in interpreting infant response behaviour.

**A Comparison of Three Audiometric Procedures in the Developmentally Handicapped**

B. Benham, J. Dunster
Huronia Regional Centre, Orillia
8:30 — Noon

**Abstract:**
Two groups of mentally retarded individuals (moderate, N=61 and profoundly delayed, N=103) were assessed by means of three different audiological test methods. The methods included behavioral, sensitivity prediction from the acoustic reflex and brainstem auditory evoked potential audiometry. Test methods were standard with special attention in the behavioral method to the individuals' maximal developmental capabilities. The data from all three methods were statistically compared for divergence. Implications and subsequent suggestions for improved test protocols are presented.
Comparison of Three Bone Oscillators as Stimulus Generators for MLRs
D. K. Brown, C. C. McRandle
The Hospital for Sick Children, Toronto
Western Washington University, Bellingham
8:30 — Noon

Abstract:
Middle Latency Responses to bone-conducted tone pips of 250 to 4000 Hz were elicited from 15 female subjects to determine which of the three bone oscillators would give the most reliable and identifiable responses. Waveform responses differed among the oscillators according to frequency and intensity. However, any of the three oscillators could be utilized for bone-conducted MLRs when appropriate calibration of the total signal averaging and stimulus system is done with the specific oscillator.

SESSIONS ON PROFESSIONAL ISSUES

Meeting the Challenge
R. K. Gannon
Hugh MacMillan Medical Centre, Toronto
8:30 — 10:00 a.m.

Abstract:
In the workplace there is the expectation that Speech Language Pathologists are well informed and experienced in the areas of Augmentative Communication, Swallowing, Drooling, Feeding Disorders, Videofluoroscopy, Fiber Optic Endoscopy, and Parent Training Programs. A review of current resources for obtaining such knowledge is presented together with recommendations for the future.

Factors Contributing to Job Satisfaction/Dissatisfaction in Speech Language Pathology
P. G. Snyder, B. E. Lamont, J. A. Corcoran
University of Western Ontario, London
8:30 — 10:00 a.m.

Abstract:
This presentation synthesizes information obtained by means of a questionnaire regarding demographic characteristics and career patterns of a sample group of 93 speech language pathologists practising throughout Ontario. Numerous demographic factors were addressed in the questionnaire and will be presented. Levels and sources of job satisfaction and dissatisfaction were studied and analyzed according to extrinsic, intrinsic and interpersonal variables related to the field.

Stuttering and Locus of Control
L. Lemieux, F. Floyd, J. Corcoran
University of Western Ontario, London
Scarborough General Hospital, Scarborough
University of Western Ontario, London
8:30 — 10:00 a.m.

Abstract:
Locus of control is purported to be a personality dimension which reflects the extent to which an individual perceives outcomes to be contingent upon his own behavior. Central to the nature of stuttering may be the stutterer's belief that the behavior is highly variable and uncontrollable. The Rotter Internal-External Locus of Control Scale (1966) was administered to a group of stutterers. Findings and implications are discussed in context of research on personality dimensions of stutterers.

An Evaluation of the Effects of Fluency Training During Maintenance, Upon Relapse in Stutterers
R. C. Shenker, H. Cohen, A. Silverman
Sir Mortimer B. Davis Jewish General Hospital, Montreal
8:30 — 10:00 a.m.

Abstract:
This project compared two maintenance of fluency programs in order to study methods of decreasing the probability of post-treatment relapse in stutterers. Pre and post-maintenance audio tapes were compared to a normal speaking control group. Methods of comparison were perceptual listener evaluation and acoustic measurement of voice onset time (VOT). Stuttering subjects are followed at three months, six months and one year post-maintenance of fluency. Preliminary results will be discussed.

A Case Report of Stutterers Acquired in Association with Phenytoin
M. D. McClean, A. McLean
University of Toronto, Toronto
University of Washington, Seattle
8:30 — 10:00 a.m.

Abstract:
Speech dysfluency and motor performance of speech and nonspeech muscle systems were evaluated over an extended period in a case of stuttering acquired in association with phenytoin use of post-head-injury seizures. Reductions in dysfluency levels and improved motor performance were
observed following a medication change from phenytoin to carbamazepine. The association between dysfluency level, motor performance, and medication suggests that in the present case stuttering resulted in part from a general impairment in motor control.

**Treat the Young Stutterer: Manipulating Pre-Treatment and Treatment variables in Favor of Successful Outcome**

D. L. Fraser, L. Avery
The Hospital for Sick Children, Toronto
10:30 — Noon

**Abstract:**
This miniseminar will describe two treatment approaches used in our Clinic with children 3 to 8 and 9 to 12 years. Both approaches are derived from prolonged speech techniques. Pre-treatment and treatment variables including selection criteria, role of parents and school, hours required and use of groups in various phases of therapy will be discussed in reference to their possible influence on outcome. Creating and adapting materials for use with these approaches will be mentioned.

**Practical Strategies for the Development of Oral Language in Oral and Total Communication**

J. Shifrin
Private Practice, North Vancouver
1:30 — 3:00 p.m.

**Abstract:**
Colour video tapes demonstrate auditory, Cued Speech, speechreading, expressive oral language, and speech skills in profoundly deaf children. Techniques are suitable for children who, regardless of their primary mode of communication (oral or sign), require individualized, structured assistance. The children, some with corner audiograms, invest conscious effort into decoding and producing oral language. They are NOT 'stars'. Discussion relates to the limiting yet prevailing belief that: Oralism means no sign language. Sign language means no speech.

**Meeting Children’s Needs Together**

B. Gray, D. Wiebe, K. Mcbor
D. Berry, S. McCag, A. Cohen
Child Guidance Clinic, Winnipeg
1:30 — 3:00 p.m.

**Abstract:**
An integrated multi-disciplinary diagnostic assessment, which includes school personnel, is a viable and important process for determining the special needs of children within the educational setting. The objectives of this miniseminar will be to present the model and the rationale for an integrated multi-modal clinical assessment; to demonstrate briefly the assessment instruments employed by the specific disciplines involved; to present the procedural guidelines; to present the repertoir format developed by the team; and to discuss the advantages of using this clinical procedure. This miniseminar will be of interest to those seeking alternative innovative assessment procedures.

**Facilitating Communicative Interaction with Non-Speaking Physically Handicapped Children**

J. Light, B. Collier
Hugh MacMillan Medical Centre, Toronto
1:30 — 3:00 p.m.

**Abstract:**
The paper will present a brief overview of a research project which analyzed the communicative interaction between non-speaking physically disabled children (ages 4-6) and their primary caregivers. Results of the research will be presented with videotapes to illustrate typical patterns of interaction. The paper will also present a framework for assessing communicative interaction both in the natural environment and in eliciting contexts within the clinical setting, and will suggest a model for clinical intervention to facilitate interaction based on direct service intervention and mediator training.

**Assessing Microcomputer-Based Communication Aids by Physically Disabled Persons**

K. Lee, F. Shein
Hugh MacMillan Medical Centre, Toronto
1:30 — 3:00 p.m.

**Abstract:**
Microcomputers have opened the doors for many non-speaking persons by providing a means of communication through artificial speech and/or printed output. This presentation will provide an overview of the various methods that physically disabled individuals can control microcomputer-based aids. References to specific commercially available communication aids will be made in this regard. Methods of assessing a client for the most appropriate control system, using both clinical and computer-based protocols will be described and demonstrated.
SCIENTIFIC SESSIONS: ARTICULATION AND LANGUAGE

A Feasibility Study of the Use of Computer-Driven Amplitude/Time Display with the Treatment of Motor Speech Disorders

K. Cherney, P. A. Square, S. Forshaw
St. Peter's Centre, Hamilton
University of Toronto, Toronto
Defence and Civil Institute of Environmental Medicine, Toronto
1:30 — 3:00 p.m.

Abstract:
This research paper involved the original generation of a computer program coupled with visual biofeedback instrumentation to be utilized for the treatment of neuromotor speech disorders. The completed program was capable of outputting full screen displays and up to three simultaneous displays of speech envelopes of two second durations. The computer driven amplitude/time display provided a method of storage for future use and analyses. A subject's utterance could be compared with a model, with his/her own previous trials, pre- vs. post-therapy etc. and any combination (up to three) thereof.

Discourse Analysis of Phonological Intervention

J. M. Panagos
The University of Akron, Ohio
1:30 — 3:00 p.m.

Abstract:
Discourse analysis sheds light on the nature of language intervention. This paper presents a summary of prominent features characterizing phonological lessons with children (Panagos & Griffith, 1982; Panagos & Griffith, 1983; Panagos & Ripich, 1983; Ripich, Hambrecht & Panagos, 1983; Ripich, Panagos, Hambrecht & Prelock, in press; Ripich & Panagos, in press). Among the discourse features discussed are: (a) register, (b) turn taking, (c) topic selection, (d) discourse sequence, (e) regulative, (f) speech act, and (g) nonverbal. Analysis helps clinicians see many practical ways of varying articulation lessons.

Fetal Alcohol Syndrome: A Description of Oral-Motor and Articulatory Characteristics

M. Becker, H.A. Leeper, G. Warr-Leeper
Northwestern Health Unit, Dryden
1:30 — 3:00 p.m.

Abstract:
Communication skills assessments were completed on eight children with fetal alcohol syndrome (FAS) and on six controls matched for nonverbal cognitive ability on the Ravens Colored Progressive Matrices (RCPM). Anatomical deviations and neuromuscular impairments of the speech mechanism were classified according to the major valves of the vocal tract. Abnormalities were observed in all but one FAS subject. Articulation errors were classified by severity and phonological process. Impairments were found in three FAS subjects.

Fetal Alcohol Syndrome: A Description of Short Term Memory, Grammatical, and Semantic Abilities

M. Becker, G. Warr-Leeper, H. A. Leeper
Northwestern Health Unit, Dryden
1:30 — 3:00 p.m.

Abstract:
Communication skills assessments were completed on eight children with fetal alcohol syndrome (FAS) and on six controls matched for nonverbal cognitive ability on the Ravens Colored Progressive Matrices (RCPM). Short term memory, grammatical and semantic abilities were measured using a battery of standard tests. The FAS subjects exhibited mental age inconsistent abilities in the comprehension and use of grammatical markers and demonstrated reduced capacity to process and store critical elements compared with the controls.
### Conference Participants

<table>
<thead>
<tr>
<th>Day</th>
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<tr>
<td>Thu</td>
<td>10:30 a.m.</td>
<td>Alberi, P.</td>
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Conference Participants (continued)

Rammage, L. A., Fr 8:30 a.m. Stannen-Stoncius, S. G., Sa 8:30 a.m.
Rekret, A., Fr 2:00 p.m. Stringer, D., Th 10:30 a.m.
Reynolds, B., Fr 2:00 p.m. Striffler, S., Fr 10:30 a.m.
Riggin, M. C., Fr 8:30 a.m. Tamura, S., Th 3:30 p.m.
Roberts, P., Fr 2:00 p.m. Tannock, R., Fr 3:30 p.m.
Roberts, M. E., Sa 8:30 a.m. Travis, T., Fr 8:30 a.m.
Ruhn, H., Fr 3:30 p.m. Vickerman, D., Fr 3:30 p.m.
Sauvot-Woods, L., Fr 2:00 p.m. Wallach, G. P., Fr 8:30 a.m.
Seewald, R. C., Fr 10:30 a.m. Warren-Leeper, G. A., Fr 8:30 a.m.
Sherker, R. C., Sa 8:30 a.m. Sa 1:30 p.m.
Shlavin, J., Sa 1:30 p.m. Sa 1:30 p.m.
Sills, P. S., Sa 10:30 a.m. Warrick, H. A., Th 1:30 p.m.
Silverman, A., Sa 8:30 a.m. Wilkins, C., Fr 10:30 a.m.
Sinclair, R., Sa 3:30 p.m. Wilson, A., Fr 10:30 a.m.
Snyder, P. G., Sa 8:30 a.m. Wittel, M. A., Th 10:30 a.m.
Square, P., Fr 2:00 p.m. Yettick, W. S., Fr 2:00 p.m.

Exhibitors

Academic Press Canada, Don Mills, Ontario
Axionics Instruments, Palo Alto, California
Beltone Electronics of Canada Ltd., Concord, Ontario
Biotechnics Medical Instrumentation, Burlington, Ontario
Blissymbolics Communication Institute, Toronto, Ontario
Charles E. Merrill Publishing, Weston, Ontario
Dahlberg Sciences Ltd., Kitchener, Ontario
Danavox (Canada) Ltd., Toronto, Ontario
Dantec Electromedical and Scientific Equipment Ltd., Scarborough, Ontario
Domine Print Ltd., Agincourt, Ontario
Educational Resources Ltd., Bumery, Ontario
Fidelity Electronics of Canada Ltd., Mississauga, Ontario
Genevi Audio Inc., Montreal, Quebec
Ginn and Company Educational Publishers, Scarborough, Ontario
International Hearing Aids/Electro Medical Instruments, Oakville, Ontario
J.P. Ferguson Lab Ltd., Surrey, B.C.
Kahl’s Inc. Kitchener, Ontario
Kay Ekimetrics Corp. Pine Brook, New Jersey
Madam Electronics (Canada) Ltd., Oakville, Ontario
Moyer & Weston, Ontario
Philips Electronics Ltd. Scarborough, Ontario
Phone Ear Ltd., Mississauga, Ontario
PMB Industries Ltd. Scarborough, Ontario
Puretone Bosch, Markham, Ontario
Starkey Labs Canada Ltd., Mississauga, Ontario
T.C. Electronics (Canada) Ltd., Markham, Ontario
Telex Hearing Instruments, Burlington, Ontario
Thodeau’s Special Instruments, Edmonton, Alberta
Unison Industries Ltd. Kitchener, Ontario
Woch Myl Canada Ltd. Mississauga, Ontario

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John Gilbert
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416-926-2220 ext. 34 (Mon., Thurs. p.m.)
(Hm) 416-962-4006 (best after 5 p.m. EST)

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