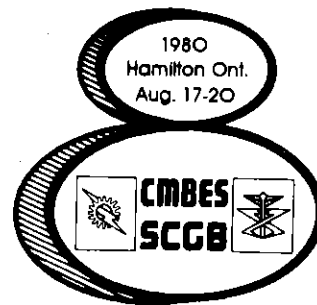


# **FRONTIERS IN BIOMEDICAL ENGINEERING AUX FRONTIÈRES DU GÉNIE BIOMÉDICAL**

**8th CANADIAN MEDICAL  
AND BIOLOGICAL ENGINEERING  
CONFERENCE**

**8ième CONGRÈS CANADIENNE  
DE GÉNIE BIOMÉDICAL**



## **DIGEST OF PAPERS CONDENSE DES MEMOIRES**

**17 - 20 AUGUST — AOÛT 1980**

**HAMILTON, ONTARIO, CANADA**

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Monday, August 18, 1980

0900 OPENING SESSION

Opening Address: Dr. S.K. Sarna

Welcome Address: His Worship Mayor John A. Mac Donald

CMBES President's Address: Mr. O.Z. Roy

Keynote Address: J.A. Hopps D.Sc.

"The Changing World of Bioengineering"

BREAK

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1120 Cardiac Arrhythmia Identification With a Multiple Model Technique Using P and R Wave Information	7	1120 A Synthetic Speech Output for Computer Terminals for Use By The Visually Handicapped	17
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LUNCH BREAK

2000 WORKSHOP

(Chairman Mr. A.M. Dolan)

- Hospital Accreditation and Society
- 1) Chairman - President
  - 2) R.N. Scott - "Background of Ad-Hoc Committee"
  - 3) J.A. McEwen - "Salient Points of CCHA Proposal"
  - 4) A. Swanson - "Role of CCHA and Implementation of Proposal"
  - 5) M. Milner - "Implications for Clinical Eng'g & Future Liaison Between CMBES and CCHA"

Tuesday, August 19, 1980

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(Chairman Dr. M. Milner)

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2000 WORKSHOP

(Chairman Dr. H. O'Beirne)

Advances in Microcomputers in  
Biomedical EngineeringSESSION 4B - CARDIOVASCULAR AND RESPIRATORYPage

(Chairman Mr. O.Z. Roy)

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| 0900 | An Assessment of Pneumatic<br>Tourniquets  | 74 |
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|      | J.M. Lee and D.R. Boughner   |    |

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COFFEE BREAK

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"Promoting Safe Device Usage by the Users"

B.A. Pask

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			1350	A Flexible Film Digitizing System For Use in Gait Studies  D.A. Winter, E. Elliott, J. Pezzack and J. Cairns	109
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H.J. Benoit, R. Borth and C.A.  
Woolever

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(Chairman Mr. A.J. Mortimer)

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- 3) M. Freese - "Industrial Possibilities of  
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- 5) D. Benwell - "Ultrasound in Practice:  
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