

**"RADIO ASTRONOMY AND CANADA: FIFTY YEARS OF PROGRESS"**

Tuesday, 22 December 1987

Room 3001, 100 Sussex Drive, Ottawa, Canada

Morning Session (9:00 am - 12:15 pm): Chairman: J.M. MacLeod (HIA, NRC)

Welcome: L. Kerwin (President, NRC)

Introduction: D.C. Morton (Director, HIA, NRC)

**The 50th Anniversary of Grote Reber's Radio Telescope  
and his First Observations**

Speakers: G. Reber (HIA, NRC): The Wheaton 31.5 ft. Paraboloid:  
Construction and First Measurements

**(coffee: 30<sup>m</sup>)**

A.E. Covington (HIA, NRC): Grote Reber and the Beginnings  
of Canadian Radio Astronomy at NRC

J.D. Kraus (Ohio State U.): Grote Reber, Founder of  
Radio Astronomy (on videotape)

**Lunch at External Affairs Bldg. (12:15 pm - 1:30 pm)**

Afternoon Session (1:30 pm - 4:45 pm): Chairman: J.L. Locke (HIA, NRC)

**The 20th Anniversary of Long-Baseline Interferometry**

Speakers: H.P. Gush (UBC): Recollections of the Beginnings of  
Canadian LBI

N.W. Broten (HIA, NRC): Reflections and Reminiscences

J.A. Galt (HIA, NRC): Beginnings of Long-Baseline  
Interferometry in Canada: A Perspective from  
Penticton (on videotape)

J.L. Yen (U. Toronto): Trials and Tribulations of the  
Early Years

**(tea/coffee: 30<sup>m</sup>)**

K.I. Kellermann (NRAO): The Development of the NRAO-Cornell  
VLBI System

B.F. Burke (MIT): From Chaos to Order - Masers and VLBI

P.P. Kronberg (U. Toronto): The Future of VLBI

**The Speakers Meet with the Press (4:45 pm - 5:30 pm)**

Evening Session (5:30 pm - 8:30 pm)

**Reception** in Room 1147 (5:30 pm - 6:30 pm)

**Buffet Dinner** in Room 1147 (6:30 pm - 7:30 pm)

**After-Dinner Speaker** (Room 3001): G. Herzberg (HIA, NRC):  
The Discovery of the First Interstellar Molecules: 1937-41

## List of Participants

Dr. Bryan H. Andrew, HIA, NRC, Ottawa  
Dr. Lorne W. Avery, HIA, NRC, Ottawa  
Dr. Norman R. Ball, National Museum of Science and Technology, Ottawa  
Mr. Carol R. Bergeron, HIA, NRC, Ottawa  
Dr. Norman W. Broten, HIA, NRC, Ottawa (retired)  
Dr. Bernard F. Burke, M.I.T., Cambridge  
Dr. Wayne H. Cannon, York, U., Toronto  
Mr. Arthur E. Covington, HIA, NRC, Ottawa (retired)  
Mr. Terence Dickinson, Equinox Magazine  
Dr. Lorne H. Doherty, HIA, NRC, Ottawa (retired)  
Mr. Robert F. Duston, NRC, Ottawa (retired)  
Dr. Paul A. Feldman, HIA, NRC, Ottawa  
Mr. Joseph R. Fletcher, HIA, NRC, Ottawa  
Ms. Mary W. Grey, National Museum of Science and Technology, Ottawa  
Dr. Herbert Gush, UBC, Vancouver  
Dr. Theodore R. Hartz, Communications Res. Centre, DOC, Ottawa (retired)  
Mr. Robert H. Hayward, HIA, NRC, Ottawa  
Mr. Roger Heath, Ministry of State for Science and Technology, Ottawa  
Dr. Gerhard Herzberg, HIA, NRC, Ottawa  
Dr. Lloyd A. Higgs, HIA, NRC, Penticton  
Dr. Victor A. Hughes, Queen's U., Kingston  
Dr. Richard A. Jarrell, York U., Toronto  
Dr. Kenneth I. Kellermann, NRAO, Charlottesville  
Dr. John D. Kraus, Ohio State U., Columbus (retired)  
Dr. Philipp P. Kronberg, U. Toronto  
M. Claude Lafleur, Québec Science Magazine  
Dr. Jack. L. Locke, HIA, NRC, Ottawa (retired)  
Dr. John M. MacLeod, HIA, NRC, Ottawa  
Dr. Donald A. MacRae, U. Toronto (retired)  
Dr. Peter M. Millman, HIA, NRC, Ottawa (retired)  
Mr. David R. Mobray, CBC, Ottawa  
Dr. Donald C. Mortimer, NRC, Ottawa  
Dr. Donald C. Morton, HIA, NRC, Ottawa  
Mr. Raymond W. Mouritsen, RCMP, Ottawa  
Dr. William T. Petrachenko, Dept. of Energy, Mines and Resources, Ottawa  
Mr. Donald J.C. Phillipson, U. Montréal  
Mr. Grote Reber, HIA, NRC, Ottawa  
Dr. Russell O. Redman, HIA, NRC, Ottawa  
Mr. Eric J. Stevens, HIA, NRC, Ottawa (retired)  
Mr. Kenneth F. Tapping, HIA, NRC, Ottawa  
Dr. Alfred W. Tickner, NRC, Ottawa (retired)  
Mr. J. Douglas Wade, HIA, NRC, Ottawa  
Dr. J.L. (Alan) Yen, U. Toronto