

INTERPLANETARY EXPLORATIONS

A SYMPOSIUM

sponsored jointly by

CANADIAN AERONAUTICAL INSTITUTE: ASTRONAUTICS SECTION

CANADIAN ASTRONAUTICAL SOCIETY

UNIVERSITY OF TORONTO, INSTITUTE OF AEROPHYSICS

and the DAVID DUNLAP OBSERVATORY

to be held at the

UNIVERSITY OF TORONTO, INSTITUTE OF AEROPHYSICS

on the 26th and 27th October, 1961

REGISTRATION

At the UTIA, beginning at 8.30 a.m., 26th October.
Members of the sponsoring organizations \$3.00:
Non-members \$5.00.

Students wishing to attend should notify Professor E. D. Poppleton, Institute of Aerophysics, University of Toronto (Phone MELrose 5-0310) before the 25th October and apply for exemption from registration fee.

ACCOMMODATION

A block of rooms is being held in the Westbury Hotel, 475 Yonge St., Toronto 5; reservations should be made before the 10th October. Bus transportation between the hotel and the UTIA will be provided.

LUNCHEON

Luncheon on both days will be held in the De Havilland Staff Dining Room at 1.00 p.m. Price \$2.25 including tax and gratuities.

DINNER

A Dinner, preceded by a Reception starting at 6.00 p.m., will be held on the 26th October in the De Havilland Staff Dining Room. Dress informal. Ladies are welcome. Price \$4.50 including tax and gratuities.

TICKETS

The attached slip should be used when ordering tickets for the Luncheons and the Dinner. Cheques and money orders should be made payable to the Canadian Aeronautical Institute.

Mail to: Mr. A. Barnes, Special Products Division,
De Havilland Aircraft of Canada Ltd.,
Downsview, Ontario.

ASTRONAUTICS SYMPOSIUM

Please send me ticket(s), at \$2.25 each, for the Luncheon on the 26th October.

..... ticket(s), at \$4.50 each, for the Dinner on the 26th October.

..... ticket(s), at \$2.25 each, for the Luncheon on the 27th October.

I enclose remittance of \$.....

Name.....

Address.....

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26th October Morning 9.30 a.m.

INTRODUCTORY REMARKS

DR. G. N. PATTERSON
Director, Institute of Aerophysics

TERRESTRIAL SPACE I

Chairman

DR. D. C. ROSE

Chairman, N.R.C. Associate Committee on Space Research

*On the Determination of the Earth's Atmospheric Structure
with Sounding Rockets and Artificial Satellites*

PROFESSOR V. C. LIU

Dept. of Aeronautical and Astronautical Engineering,
University of Michigan

*The Entry of Manned Manoeuvrable Spacecraft into
Planetary Atmospheres*

PROF. B. ETKIN

Institute of Aerophysics, University of Toronto

October 27th Morning 9.30 a.m.

LUNAR SPACE

Chairman

DR. J. F. HEARD

Director, David Dunlap Observatory

Current Interpretations of the Lunar Topography

DR. D. A. MACRAE

Professor of Astronomy, University of Toronto

The NASA Program for Unmanned Exploration of the Moon

B. MILWITZKY,

Head, Lunar Flight Systems, NASA Headquarters

October 26th Afternoon 1.00 p.m.

LUNCHEON

Chairman

DR. J. J. GREEN

Chief Superintendent, Canadian Armament Research &
Development Establishment

Speaker

DR. W. R. FRANKS

Professor, Banting & Best Dept. of Medical Research,
University of Toronto

God's Image and Space Travel

October 27th Afternoon 1.00 p.m.

LUNCHEON

Chairman

F. R. THURSTON

Director, National Aeronautical Establishment

Speaker

DR. J. T. WILSON

Director, Institute of Earth Sciences,
University of Toronto

The World of the I.G.Y.

October 26th Afternoon 2.30 p.m.

TERRESTRIAL SPACE II

Chairman

DR. P. A. LAPP

Chairman, Canadian Astronautical Society

The Canadian Topside Sounder Satellite

DR. J. H. CHAPMAN

Deputy Chief Superintendent,
Defence Research Telecommunications Establishment

*Structural and Thermal Design of the Topside Sounder
Satellite*

H. R. WARREN

Chief of Mechanical Develop., Special Products Div.,
De Havilland Aircraft of Canada Ltd.

and

JOHN MAR

Satellite Design Section,

Defence Research Telecommunications Establishment

October 27th Afternoon 2.30 p.m.

PLANETARY SPACE

Chairman

PROFESSOR I. I. GLASS

Chairman, Astronautics Section, C.A.I.

Atmosphere and Surface Conditions of Venus and Mars

DR. J. A. GIORDMAINE

Bell Telephone Laboratories, Murray Hill

Scientific Investigation of the Regions Beyond the Moon

R. C. MOORE

Head, Planetary Sciences,
National Aeronautics and Space Administration

October 26th Evening 7.00 p.m.

DINNER

Chairman

DR. G. N. PATTERSON

Director, Institute of Aerophysics

Speaker

DR. I. I. GLASS

Professor of Aeronautical Engineering, Institute of Aerophysics
Aerophysical Research in Moscow