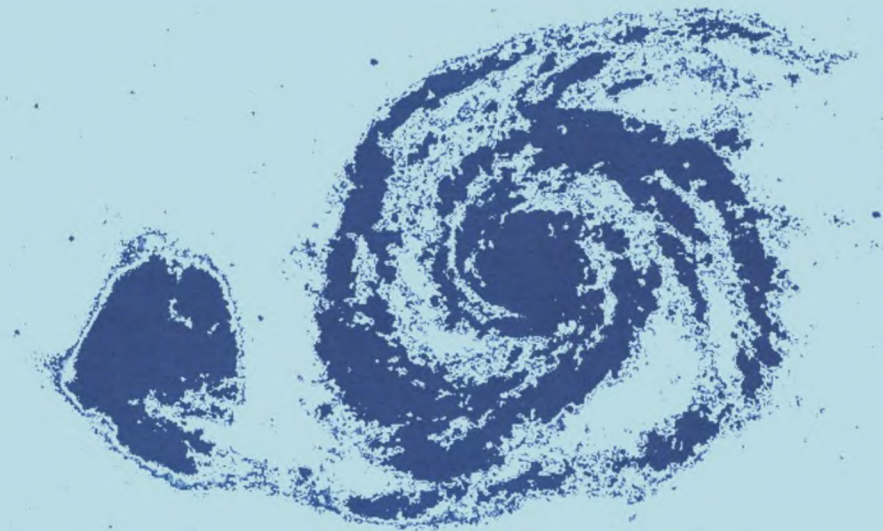


The Royal Astronomical Society of Canada
to celebrate its centenary of incorporation

presents

YOU AND THE UNIVERSE

A Public Symposium



Alumni Theatre, Carleton University, Ottawa

Saturday, June 30, 1990

Five Free 1 Hour Lectures — No Tickets Required

- | | | |
|-------|--|-------------------|
| 9:30 | PLANET EARTH AS A LIFE SUPPORT SYSTEM | LYDIA DOTTO |
| 11:00 | NATURALISTS OF THE NIGHT | TERENCE DICKINSON |
| 13:30 | ASTRONOMY FOR A CIVILIZED SOCIETY | RICHARD JARRELL |
| 15:00 | ASTRONOMICAL RESEARCH: PAIN AND BLISS | RENÉ RACINE |
| 19:30 | THE HELEN SAWYER HOGG LECTURE:
EXPLORATION OF THE SOLAR SYSTEM
(JOINTLY SPONSORED BY THE CANADIAN ASTRONOMICAL SOCIETY AND THE RASC) | JOSEPH VEVERKA |

More details inside or from:
The Royal Astronomical Society of Canada
136 Dupont Street
Toronto, Ontario
M5R 1V2

"YOU AND THE UNIVERSE" – A SYMPOSIUM FOR EVERYONE

Arranged by The Royal Astronomical Society of Canada
to celebrate one hundred years as an incorporated association

You are invited to attend any or all of the following talks

to be held in the air-conditioned

ALUMNI HALL at CARLETON UNIVERSITY

on

SATURDAY, JUNE 30, 1990.

9:15 INTRODUCTORY REMARKS

9:30 PLANET EARTH AS A LIFE SUPPORT SYSTEM

Images from Apollo 8 had a profound effect on humanity: they showed us that Earth is our life support system, that it is alone and that it's all we have. These views from space probably had much to do with the burgeoning of the environmental movement in the past two decades. We no longer have the luxury of assuming that Earth's biosphere is too huge and resilient for us to do much damage.

LYDIA DOTTO, raised in Alberta, is a distinguished journalism graduate of Carleton University. Besides her accomplishments as an award-winning author of articles in newspapers and magazines, and of books, she is a highly respected speaker on such topics as women in science, the environment, and the space program. Her adventures have extended from dives under the Arctic ice to astronaut training in weightless environments.

11:00 NATURALISTS OF THE NIGHT: THE AMATEUR ASTRONOMERS

The vast majority of Canada's estimated 30,000 amateur astronomers are recreational observers, enchanted by a dark night sky and its invitation for personal exploration of the universe. A handful of aficionados, taking a more deliberate approach, have made valuable discoveries and other types of systematic observations. The scope of amateur astronomy has never been wider, or richer than it is today.

TERENCE DICKINSON's name is synonymous with popular astronomy in Canada. He is a frequent commentator on CBC Radio's "Quirks and Quarks", an author of many books and hundreds of magazine articles, and the astronomy columnist for the Toronto Star for the past eight years. His love of astronomy shines through his writing. His talent as a communicator has been widely recognized through several awards.

**13:30 THE VALUE OF ASTRONOMY
FOR A CIVILIZED SOCIETY**

Although astronomy is probably the oldest science, it may be now the least practically relevant science. For nearly a century, Canadians have supported astronomy. Why should the public finance the study of the universe today and in the future?

RICHARD JARRELL is a professor of Natural Science at Atkinson College, York University. Several years ago, he began to take an interest in the history of Canadian science when few considered it important, and since has established an association and journal to further these studies. Those who have heard him speak or have read his book "The Cold Light of Dawn – A History of Canadian Astronomy" know Dr. Jarrell as an expert with an engaging style.

15:00 ASTRONOMICAL RESEARCH: PAIN AND BLISS

Frustrating hurdles and elating successes mark the astronomer's quest for an understanding of the cosmos. Current researches ranging from stellar astrophysics to cosmology reveal unforeseen solutions to age-old problems, but fail miserably in places and raise more questions than they answer. The talk will focus on selected current successes and problems and will conclude with a prospective of breakthroughs to come.

RENÉ RACINE, a native of Quebec City, was educated at the universities of Laval and Toronto and is presently Professor of Astronomy at the Université de Montréal. Having a wide range of professional interests, and with the unique experience of having directed two of Canada's major observatories, he is ideally suited to give his impressions of the present and future state of astronomy.

**19:30 THE HELEN SAWYER HOGG LECTURE:
EXPLORATION OF THE SOLAR SYSTEM:
VOYAGER AND BEYOND**

Now that Voyager 2 has completed its highly successful twelve-year journey to the outer planets, it is a good time to ask what we have learned and what remains to be seen. How has our understanding of the outer planets, their moons and rings changed as a result of Voyager? What new puzzles have arisen? What will be the focus of future exploration?

JOSEPH VEVERKA is a graduate of Queen's University (Kingston) and holds a Ph.D. from Harvard. Presently Professor Veverka teaches Astronomy and Planetary Science at Cornell University, is a member of the University's Centre for Radiophysics and Space Research, and directs the Spacecraft and Planetary Imaging Facility. He is an authority on the evolution of the planets and satellites and has been involved in their investigation using spacecraft imaging data since the early 1970's.

The Helen Sawyer Hogg Public Lecture is given annually in recognition of Helen Hogg's lifelong contributions to Astronomy.

It is sponsored jointly by
The Royal Astronomical Society of Canada
and the
Canadian Astronomical Society

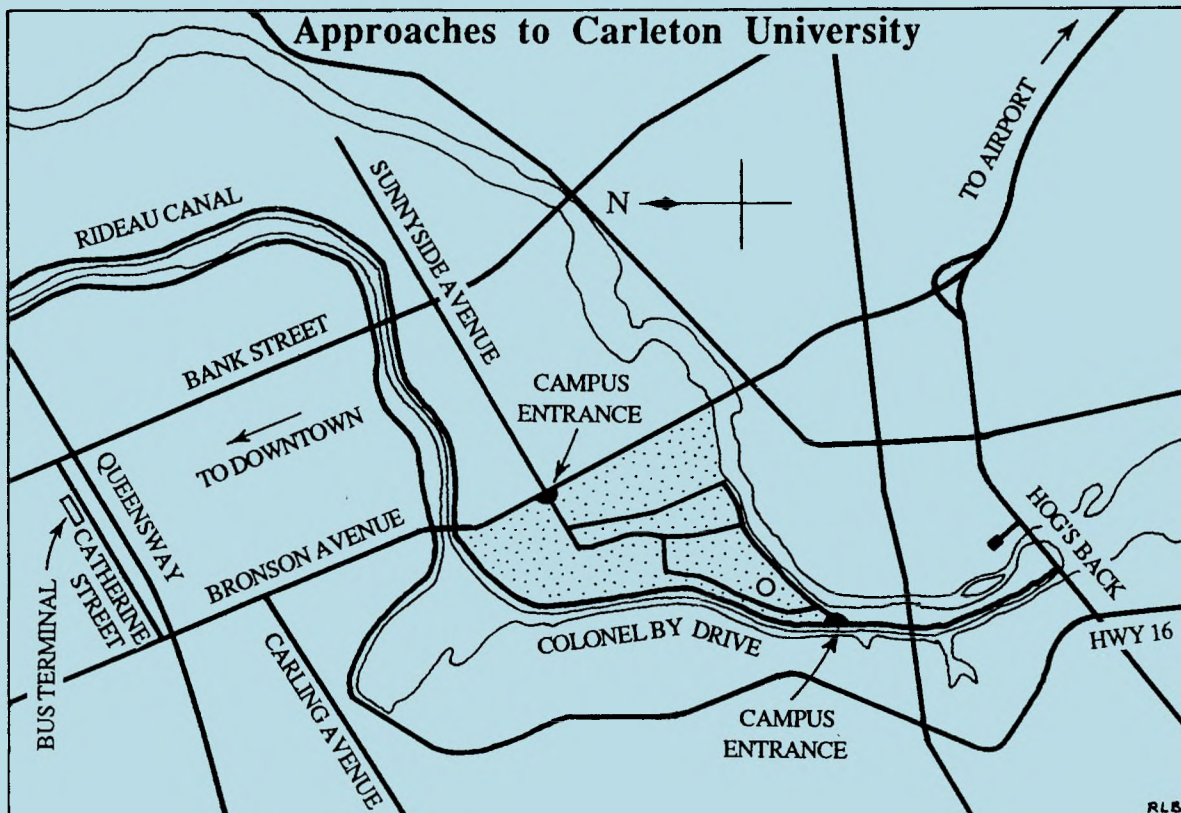
The 1990 General Assembly of The Royal Astronomical Society of Canada

Each year, The Royal Astronomical Society of Canada holds a General Assembly at which members from across the country and abroad get together to discuss astronomy, to see what others are doing, to tour local observatories and other points of interest, and to conduct some business.

In 1990, the "GA" will be held at Carleton University in Ottawa, Canada's beautiful capital, from June 29 to July 3. As this special year marks the centenary of the Society's incorporation, the meetings have been expanded to include a special one day symposium, entitled YOU AND THE UNIVERSE. In recognition of the Society's long role in public education in astronomy in Canada, this symposium is open to the public. It will be held on June 30 at Carleton University's spacious and air-conditioned Alumni Theatre, adjacent to Southam Hall. No registration or tickets are required for the symposium. However, if you would like information on the other events taking place at the General Assembly, or if you need help in planning your accomodation, please write to:

1990 RASC General Assembly, 191 Wilshire Ave., Ottawa, ON, K2C 0E6

The approximate location of Alumni Theatre is marked with a small circle on the map, near the south campus entrance. Parking lots 1 and 8 are nearest the Theatre, and Bus route 7, stop 5812, is convenient. Signs will be posted near these locations directing you to the YOU AND THE UNIVERSE symposium.



Via Highway 16: Turn right off Highway 16 onto Hogs Back Road. Follow Hogs Back Road across the Rideau Canal and turn left onto Colonel By Drive. Follow the Rideau Canal about one kilometre to University Drive.

Via Highway 417: Exit Highway 417 (Queensway) at Bronson Avenue. Follow Bronson Avenue South approximately two kilometres to the campus.