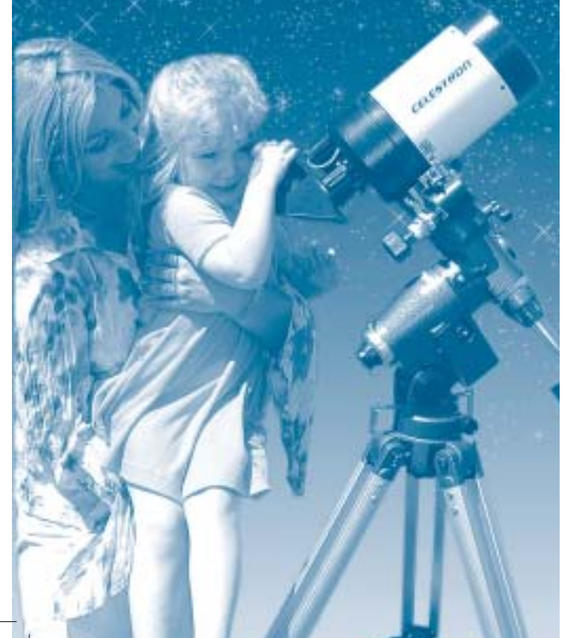
CANADA SCIENCE AND TECHNOLOGY MUSEUM

ASTRONOMY

2002-2003 PROGRAMS



Special GUEST SPEAKER and STAR PARTY!

TERENCE DICKINSON

BACKYARD ASTRONOMY

Friday April 11, 2003 – 7:30 p.m.

Join Terence Dickinson, Canada's leading astronomy writer, in an introduction to the techniques and equipment used by avid backyard astronomers. This author of many books will provide tips on the selection of binoculars, a first telescope and where and how to begin your explorations of the night sky. Our star party* following the talk is a perfect way to celebrate April's International Astronomy Day. Come and look through a variety of telescopes, including Canada's largest refracting telescope in the Helen Sawyer Hogg Observatory*.

Due to limited seating, advance registration is required. Reservations can be made by calling 613 991-3053.

Advance reservation (by April 3, 2003): Adults: $5; Students: $4; Children (4–14): $2; Families**: $12.

After April 3, 2003: Adults: $6; Students: $5; Children (4–14): $3; Families**: $14.

DISCOVER THE UNIVERSE

Adults: $6 Students: $5
Children (4–14): $3 Families**: $14

Join us for an evening of dynamic presentations, and view the sky through our telescope*. Sign up for a single session, or for all thirteen!

NEW TOPICS

2002

September 21 (7:30 p.m.): **The Harvest Moon and the Apollo Landings**
October 18 (7:30 p.m.): **Edwin Hubble's Galaxies**
October 26 (7:30 p.m.): **Telescope Clinic**
November 15 (7:30 p.m.): **Percival Lowell: Quest for Mars!**
December 13 (7:30 p.m.): **Extreme Stars**

2003

January 24 (7:30 p.m.): **Great Telescopes of the World**
February 21 (7:30 p.m.): **The Two Giants: Jupiter and Saturn**
March 21 (7:30 p.m.): **Jan Oort and His Cloud of Comets**
May 9 (8:00 p.m.): **Galileo's Discoveries**
May 30 (8:00 p.m.): **Cratering in the Solar System**
July 10 (8:30 p.m.): **Charles Messier's "Nebulae"**
July 18 (8:30 p.m.): **The City Astronomer's Gear**
August 8 (8:30 p.m.): **Origin of the Perseid Meteor Shower**

GROUP ASTRONOMY AND SPACE NIGHTS

Minimum 20 participants, $3 per person

Book your group for one of these dynamic programs, adapted to the group's age level and interests. Perfect for Scouts, Guides, Cubs, Brownies and school groups. Monday to Thursday, October to May. Start times are flexible.

Astronomy
Discover the wonders of the night sky with this dynamic program, which includes telescope observation* or the inflatable planetarium. Learn to recognize the major constellations, and touch real meteorites as you explore the fascinating world of astronomy.

NEW **Canada in Space**
Discover the role we've played in the development of space technology in our Canada in Space exhibition. See the Alouette and Anik satellites, and discover what it takes to become a Canadian astronaut. Explore activities on rocketry and weightlessness. Try our STEM antenna challenge, and learn to locate the International Space Station in the inflatable planetarium.

YOUNG ASTRONOMERS' CLUB

$30 per series, or $55 for A and B

Ever wanted to make your own galaxy? Build a model of the Galileo spacecraft? Now you can, with these hands-on Saturday morning workshops, geared to young astronomers ages 8 to 12. All workshops are bilingual.

Fall 2002 (10:00 a.m. to 12:00 p.m.)

Package A: October 19: **The Canadarm**
October 26: **Introduction to Telescopes**
November 2: **3-D Constellation in a Box**

Winter 2003 (10:00 a.m. to 12:00 p.m.)

Package B: January 25: **Exploring Jupiter with Galileo**
February 1: **Distances of the Sun and Stars**
February 8: **Galaxies: Cities of Stars**

BACKYARD ASTRONOMY COURSE — LEVEL 1

Adults: $55
Students: $40

A great introduction to astronomy! Where do I look to find the Big Dipper, Orion, Bootes? How can I locate the planets? What equipment do I really need? Discover the answers to commonly-asked questions, and learn to be a competent stargazer. Participants will observe the wonders of the evening sky with our inflatable planetarium and a variety of telescopes, including Canada's largest refracting telescope in the Helen Sawyer Hogg Observatory*.

Fall 2002: Thursdays — October 17, 24; November 14, 21, 28 — 7:00 to 9:00 p.m.

Winter 2003: Thursdays — January 30; February 6, 13, 20, 27, 2003 — 7:00 to 9:00 p.m.

BACKYARD ASTRONOMY COURSE — LEVEL 2

Adults: $55
Students: $40

NEW If you already know how to find the constellations and planets, take your knowledge to the next level with this course. Curious about the birth and death of stars, and the structure of galaxies? Learn how to use the celestial coordinate system, and how to locate Messier objects. Wondering what telescope and accessories are right for you? This course also gives you a chance to look through a variety of telescopes* and offers a quick guide to fixed-camera astrophotography.

Spring 2003: Thursdays — March 20, 27; April 3, 10, 17, 2003 — 7:00 to 9:00 p.m.

PHOTOGRAPHING THE NIGHT SKY

Adults: $55
Students: $40

Ever wanted to capture the stars on film? Here's your chance to learn about the basics of astrophotography. Topics include the motion of stars and planets, the camera, choice of film, fixed camera and guided photography. Includes plans to make a "barn-door" tracker. Participants may take photos using Museum equipment*. Camera not required.

Fall 2002: Mondays — October 21, 28; November 4, 18, 2002 — 7:00 to 9:00 p.m.
Spring 2003: Mondays — March 31; April 7, 14, 28, 2003 — 7:00 p.m. to 9:00 p.m.

STARGAZING FOR FAMILIES

Families**: $90 Adults: $40
Students: $30 Children (7–14): $20

Specially designed for groups of friends and family, participants learn about the basics of stargazing. Where do you look to find the Big Dipper or Orion? How can you tell the difference between a star and a planet? Learn to use star charts and binoculars. Each evening features viewings in the Helen Sawyer Hogg Observatory* or inflatable planetarium.

Fall 2002: Wednesdays — October 23, 30; November 6, 13, 2002 — 7:00 to 9:00 p.m.

Advance registration is required for all programs. Please call 613 991-3053.

1867 St Laurent Blvd. (Ottawa)
www.science-tech.nmstc.ca

*Weather permitting.
** Families include a maximum of two adults and three children.

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