Vendors and Sponsors

(as of Publication Date)

- AstroSystems
- Orion Telscopes
- S&S Optika
- Starlight Adventures
- Signal Graphics *(So. Belleview & Broadway)* for printing services
- Software Bisque

Door Prize Donors

Will be awarded inbetween speakers at Boettcher Center—Winners must be present to win.

- *Astronomy* Magazine
- AstroZap
- Astrographics
- Discovery Channel
- Great Wall Consulting & Trading
- Impactika
- Infini-Tees
- JMI
- Lumicon
- Mike's Camera-Boulder
- Mile High Meteorites
- New Mexico Skies
- Newport Industrial Glass
- S&S Optika
- Sky Camping
- Sky Publishing
- Software Bisque
- Televue
- Valley Microscope
- Rob Waltrecht
- What's Out Tonight

Raffle

Win an 8-inch "Dobsonian" mounted telescope courtesy of **Orion Telescopes.** Tickets are $10 each; winner need not be present to win. Drawing will be held at the DAS Open House on December 22 at Chamberlin Observatory.

★National Speakers★

★Activities for Kids of All Ages★

★Sunspot and Solar Flare Observing★

★Astronomical Vendors★

★The StarLab Planetarium★

★Food★

★Door Prizes★

★Telescope Raffle★

★Meteorite Displays★

★Star Party and Open House★

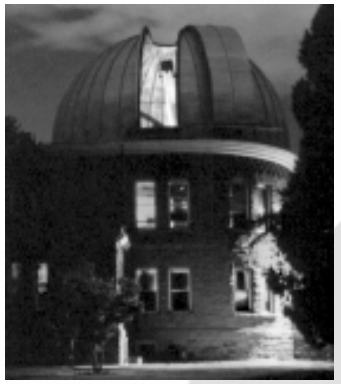
For more information:
www.denverastro.org
(click on Colorado AstronomyDay)

Photo credits: Chamberlin Observatory (front page) Sherry Johnson; M16 Starbirth in the Eagle Nebula (Speaker page) J. Hester, P. Scowen (AZ State University), and NASA Hubble Space Telescope's Wide Field Planetary Camera 2.

The Denver Astronomical Society

Presents

Colorado Astronomy Day 2001



Saturday, October 20

8:30 a.m.–11 p.m.

At the University of Denver's Boettcher Center, Olin Hall, and Chamberlin Observatory

Full Day of Four Speakers:
$10.00 Adults, $8.00 Students
Evening Star Party is Free
Parking in the University lots: $2.50

Co-Sponsored by

The University of Denver's Chamberlin Observatory
and
The Denver Museum of Nature & Science

Schedule of Events

★MORNING★

7-8:30 **Vendor and Solar Telescopes Setup** (Olin Hall and sidewalk outside Boettcher Center. In the event of rain or snow, vendors will be in Olin Hall)

8:30 **Doors Open—Registration Begins** (Boettcher Center)

10:00 **Welcome and Introduction**

10:15-11:15 ***"Mars—The Mystery Deepens,"*** **Dr. Benton Clark**, Lockheed Martin, Mars Odyssey Mission Team

11:45-12:45 ***"Space Weather—Why Do We Care?"*** **Dr. JoAnn C. Joselyn**, Secretary General, International Union of Geodesy and Geophysics

★AFTERNOON★

12:45-1:45 **Lunch Break**

1:45:-2:45 ***"The New Cosmology,"*** **Dr. Erica Ellingson**, University of Colorado, Dept. of Astrophysical and Planetary Sciences

2:45-3:30 **Break**

3:30-5:00 ***"Origins—A Universe of Process and Change,"*** **Dr. J. Jeffrey Hester**, Arizona State University, Hubble Space Telescope Science Team
Closing

5:00-7:00 **Dinner Break**

EVENING AT ★CHAMBERLIN OBSERVATORY★

7:00 **★Star Party** (Weather permitting) View the moon, planets, star clusters, galaxies, nebulae, and more!
★Experience the StarLab Planetarium
★Stroll through the many available displays including stellar photos, meteorites, and childrens' books.
★Kids! Make your own constellation finders.
★Free star maps.

★ALTERNATE EVENTS AT The Denver Museum of Nature & Science★

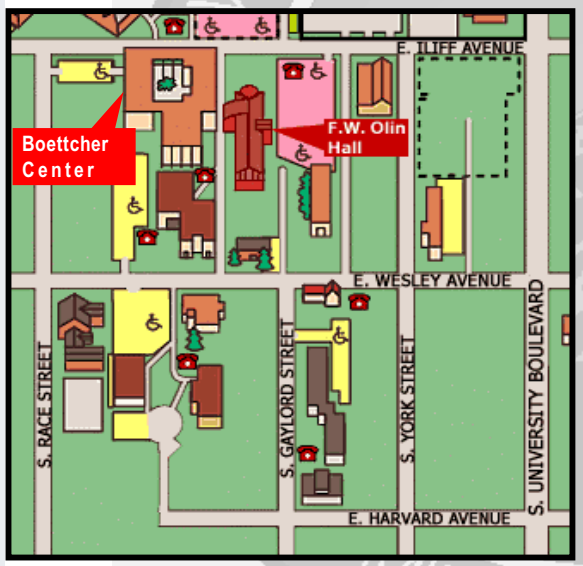
(City Park—Colorado Boulevard and 20th Avenue)

COST: Free to Museum members, Non-members-$7.00

Begins at 9 a.m. **★Meteorite Touch Carts**
★Childrens' Demonstrations
★Solar Observing
★All-Sky Camera
★Dinosaur Extinction Displays

University of Denver Map

VENDOR LOCATION: Olin Hall, University of Denver, 2190 East Iliff Avenue.
SPEAKER LOCATION: Boettcher Center, University of Denver, 2050 East Iliff Avenue.
EVENING STAR PARTY: Chamberlin Observatory, 2930 East Warren Avenue. (One block north of Iliff Ave., and four blocks east of University Blvd. on Warren Ave.)



The Denver Astronomical Society

One Mile Nearer the Stars

Speakers

Benton Clark, Ph.D.

Mars is a cold, rocky desert but evidence is mounting that it was once wet with rivers, lakes, and perhaps an ocean. The question of life remains open, but we will bring life to the red planet when human exploration begins. ***Dr. Clark*** will show us the importance of the Mars Odyssey Mission, due to reach Mars on October 23, and share with us his excitement and anticipation of what scientists are hoping to learn.

Erica Ellingson, Ph.D.

Dr. Ellingson will review the Big Bang model and efforts to test and refine this standard picture of cosmic evolution. However, the past several years have brought stunning new results that challenge this standard model. She will discuss these surprising events and how they will force us to revise our understanding of the universe in the birth of a new cosmology.

John Jeffrey Hester, Ph.D. (Keynote)

When our ancestors first looked at the heavens, they could not help but notice the patterns in the sky, or the ways those changing patterns echoed the patterns of nature that shaped their lives. Little wonder, then, that throughout history we have sought out connections between our existence and the heavens. Courtesy of wondrous tools like the Hubble Space Telescope, we now look at the sky and see the life cycle of stars and other processes that mark the continuing evolution of the Universe. ***Dr. Hester*** will help us understand the intimate ties that link us to the stars, and that we are a part of the Universe—a product of process and change.

JoAnn C. Joselyn, Ph.D.

Scientists have learned that we are increasingly vulnerable to "Space Weather" originating from our sun. Bursts of high energy radiation can deliver unacceptable doses to astronauts and satellites in space. Communication systems can become "confused" and even destroyed by "poor space weather." ***Dr. Joselyn*** will describe and explain elements of space weather—such as violent coronal mass ejections from the sun, to beautiful northern lights, and tell us what scientists do to predict and prepare for these natural cosmic events.