UPCOMING EVENTS

JUNE
6-6 Saturday: Public Star Party—Dennis Chavez Elementary School
6-13 Saturday: Monthly Meeting of the Society—7:30 p.m. at Regener Hall on the UNM campus—see map on page 2
6-14 Sunday: Partial Eclipse of the Moon
(Moon rises in Penumbra)
6-15 Monday: Full Moon
6-18 Thursday: Board of Directors Meeting—7:00 p.m.
6-20 Saturday: Star Party at Twinning Observatory site
6-27 Saturday: Dark Sky night at Gran Quivira

JULY
7-11 Saturday: Monthly Meeting of the Society—7:00 p.m.
Occultation of Theta Ophiuchi
7-14 Tuesday: Full Moon
Occultation of Neptune
7-16 Thursday: Board of Directors Meeting—7:00 p.m.
7-18 Saturday: Public Star Party
7-25 Saturday: Star Party at Twinning Observatory site
7-28 Tuesday: Delta Aquarid meteor shower
7-29 Wednesday: New Moon

THE MAY MEETING

Imagine having a job where, in the winter months you have to first climb nine miles up a snow covered mountain road...with snow shoes on your feet and all your supplies on your back! Now imagine you are doing this so that you can help answer questions like: Why are cosmic Voids void?: Why are active galactic nuclei active?: Where and how do stars form in distant galaxies? If you’re having trouble imagining this, you must have missed the May meeting. Our featured guest speaker, Mr. Randy Grashuis, has such a job...and loves it.

As newly appointed Resident Observer at Capilla Peak Observatory, Mr. Grashuis is in his element. His presentation on the UNM facility was very informative and most entertaining. Mr. Grashuis divided his talk into four parts: The history of the observatory; The current research done there; The future and...the slides! Working with our resident world class astrophotographer George Dullock, video footage was turned into slides. Overall, this presentation had the effect of giving me the feel for what it would be like to be a professional observer. Thank you Randy, for taking the time to share your profession with us.

THE JUNE MEETING

The June meeting will feature a very special guest speaker. For those of you who have never had the pleasure of meeting Dr. Bel Campbell or hearing her speak, you not to pass up this opportunity. Dr. Campbell is a professor in UNM’s department of Physics and Astronomy and a member of the University’s Institute for Astrophysics. A native of Maryland, she received her B.S. in physics summa cum laude from Georgia State University in 1979 and her Ph.D. in astronomy in 1984 from the University of Arizona. Dr. Campbell did her post-doctoral research with the Mount Wilson and Las Campanas Observatories. Dr. Campbell’s research has focused on regions of star formation. Her observations have incorporated earth based optical telescopes, infrared, and radio telescopes and most recently...the Hubble Space Telescope. Dr. Campbell’s presentation will be centered on her work, Star Formation Research With The H.S.T....The final chapter.

The June meeting will begin at 7:30 p.m. (instead of 7 p.m.) on Saturday, June 13. The meeting will be held in Regener Hall (See map on page 2). Immediately following the meeting there will be a social hour complete with cookies and coffee (we may even have soft drinks??). Bring a friend...bring a neighbor...bring the spouse and the kids. You may even bring the cookies if you like, but above all don’t miss this one!

George Pellegrino, President

OBSERVATORY PROJECT

The majority of work in May has involved paint! We painted any areas outside needing touchup and finished the inside painting. The building is really looking good!
We took off for Astronomy Day and lost another weekend to bad weather, so we need to push harder to get most of the work done by June 27th.

We still need to install a generator, install floor isolation, install miscellaneous safety items and then install the telescope.

We are in need of persons who have the facilities to do some low level woodworking in the form of building wood boxes to cover the dome rollers (safety item): we need 17 boxes). We could also use help with some of the mechanical items and of course help at the site on Saturdays. If you can help with any of the work call George Dulleck (293-7994) or Bob Stetz (842-5281).

George Dulleck, Vice President

SUMMARY OF THE THURSDAY, MAY 21, 1992 BOARD MEETING

The meeting was called to order by Vice President George Dulleck at 7:05 p.m. The treasury and secretary reports were given. The general and observatory funds have respective balances of $4.79 and $4159.19 respectively. Agenda items were public education, observatory status and dedication, and old and new business.

It was noted that Astronomy Day was successful with many displays and solar observing. The next In Town Star Party will be held at Dennis Chavez Elementary School on Saturday, June 6th. A partial lunar eclipse will be occurring on June 14th. The Society will get involved if the news media builds the lunar event.

The schedule of finishing work for the General Nathan Twining Observatory was presented by George Dulleck. The mirrors are ready for installation into the main (Col. Isengard) telescope. Purchase, survey, and installation of the septic system was discussed. August 8th is the target date of the observatory dedication.

A motion was made to change the Society monthly meeting starting time to 7:30 p.m. during the summer months instead of 7:00 p.m. After some discussion, the motion failed by a vote of 1 for and 6 against.

New business items were inquiries about obtaining additional telescope, dome, and equipment donations, and the need to incorporate light pollution covenants at the Twining Observatory site and vicinity. Newsletter items were discussed and the meeting adjourned at 9:00 p.m.

ASTRONOMICAL CLASSIFIEDS

For Sale:

Astrophysics 706 equatorial mount. Massive tapered polar bearing. Motorized guiding on both axis. Polar alignment scope included. Field tripod. Will easily handle 11" SCT or large refractor. $1300 or best offer. Call Art @ 344-4985.

14.25" f5.3 Dobsonian. Full thickness mirror, 2" focuser. $525 or best offer. Call Art @344-4985.
# July 1992 Lunar Almanac

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Albuquerque, NM  
Time Zone: MDT  
Latitude: 35.08  
Longitude: 106.65

- **MR** = Moonrise, upper limb on horizon.  
- **TR** = Transit, moon is due south and also highest in the sky.  
- **MS** = Moonset, upper limb on horizon.  
- **Times are rounded to nearest minute.**  
- **RA** = Azimuth of rising moon.  
- **TA** = Altitude of moon at transit.  
- **SA** = Azimuth of setting moon. 
  
Moon phase is shown each day at 12:00 noon in the time zone indicated.

Calendar by Ray Sterner  
Johns Hopkins Applied Physics Lab.  
Laurel, MD 20707

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# July 1992 Solar Almanac

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Albuquerque, NM  
Time Zone: MDT  
Latitude: 35.08  
Longitude: 106.65

- **MA** = Morning astronomical twilight, sun is at -18 degrees altitude.  
- **MN** = Morning nautical twilight, sun is at -12 degrees altitude.  
- **MC** = Morning civil twilight, sun is at -6 degrees altitude.  
- **SR** = Sunrise, upper limb on horizon.  
- **TR** = Transit, sun is due south and also highest in the sky.  
- **SS** = Sunset, upper limb on horizon.  
- **EC** = Evening civil twilight, sun is at -18 degrees altitude.  
- **EN** = Evening nautical twilight, sun is at -12 degrees altitude.  
- **EA** = Evening astronomical twilight, sun is at -6 degrees altitude.  
- **Times are rounded to nearest minute.**  
- **RA** = Azimuth of rising sun.  
- **TA** = Altitude of sun at transit.  
- **SA** = Azimuth of setting sun.  
- **Altitudes and azimuths are in degrees.**

Calendar by Ray Sterner  
Johns Hopkins Applied Physics Lab.  
Laurel, MD 20707

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**July 1992**
DUES: Please note the expiration date on your mailing label. If you are due for membership renewal, you may send your dues by mail to our newsletter return address with your check written out to The Albuquerque Astronomical Society or give your check to the Treasurer at the next meeting. Please include the membership application that is sent with your newsletter when it is time to renew. Discount subscriptions to Sky and Telescope ($18/12 issues), Astronomy ($16/12 issues), and Odyssey ($16.95/12 issues) magazines, and books through Sky Publishing Corporation are available at a reduced cost when purchased by The Albuquerque Astronomical Society members through our Society. Include any of the above magazine renewal mailers and subscription payment as part of your renewal check. Membership dues are $20.00 per year and $3.00 per additional family member. Membership Packets cost $1.75 each for new members or renewing members without the Packet. Contact the Treasurer for more information.

SOCIETY COMPUTER BULLETIN BOARD SERVICE: An Astronomy BBS is available for The Albuquerque Astronomical Society members for discussion, announcements, and transfer of files and newsletter articles in our software library. The BBS is available 24 hours a day at 255-3623. Set your computer’s modem to 8 N 1 (8 data bits, no parity, and 1 stop bit). Contact the Software Coordinator for more information.

NEWSLETTER ARTICLES: Personal astronomical classified advertisements and articles can be submitted within 5 days after the latest Society meeting in order to make it into the next newsletter. Business card size advertisements for businesses related to astronomy are accepted with the same deadline as articles and personal classified advertisements. Rates for business card size ads are $10/ad per issue of the Sidereal Times. $7/ad per issue for six continuous issues, and $5/ad per issue for twelve continuous issues. The Newsletter Editor reserves the right to include and/or edit any article or personal classified or business card size advertisement. Computer files in ASCII format are preferred. Contact the Newsletter Editor for more information.

Since August, 1989, the Sidereal Times has been typeset on an Atari Mega ST4 and an Atari SLM804 postscript-compatible laser printer, using Pagestream and UltraScript.

CHANGE OF ADDRESS: Note that the Sidereal Times is mailed out at non-profit bulk rate. The newsletter will not be forwarded to your new address if you move! Please provide the Secretary with your new mailing address to insure that you receive your newsletter.

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- Society Staff -

President: George Filippazzo
Vice President: George Dulleck
Secretary: Bruce Levin
Treasurer: Bob Stetz
Occultation Coordinator: Mac Morgan
TAAS Historian/Telescope Curator: Douglas Ray
Board Member: Art Jacobs
Board Member: Blair Johanson
Board Member: Wilfred Pedroncelli
Board Member: Michael Fisk
Board Member: Helen Brasfield
Board Member: Lee Mesibov
Board Member: John Hockemeyer
Board Member: Steve Williams

Non-Board Members
821-8516 (home)
293-7994 (home)
299-0891 (home)
842-5281 (home)
296-3983 (home)
892-1596 (home)
344-4985 (home)
296-9320 (home)
344-7683 (home)
268-4885 (home)
268-4885 (home)
896-3725 (home)
293-5133 (home)
896-4885 (home)

ABM: Associate Board Member