

ASTR/PHYS
PROFESSIONAL
DEVELOPMENT



Join faculty, staff, and graduate students
from APS and Physics for a discussion on

Careers in
Telescopes,
Optics and
Observatories

5:00–6:00PM
Wednesday
February 12
Duane G130

Astro Tourism

- AstroTours, National Park Service, San Pedro de Atacama Celestial Explorations, and many more

Astronomy Industry (Consumer / Prosumer)

- Telescopes, Mounts, Cameras, Software, and Accessories Manufacturers
 - Planewave, Celestron, Meade, SkyWatcher, Software Bisque, Atik, ADM Astro-Physics, Tele Vue, Takahashi, Starlight Xpress, Primalucelab, Pegasus Astro, Lunt, Daystar, Diffraction Limited, and many more.
- Equipment Dealers
 - Cloud Break Optics, Woodland Hills Telescopes, Mile High Astronomy, High Point Scientific, Agena Astro, and many more.

Professional Telescopes

- University Teaching Observatories
 - Sommers-Bausch (CU Boulder), Harvard, Whitin (Wellesley College), Haystack (MIT), Dyer (Vanderbilt University), and many more.
- University Research Observatories
 - Apache Point (NMSU, Et al.), Keck (Cal Tech and University of California), McDonald (UT Austin), Palomar (Cal Tech), Lick (University of California, Santa Cruz), Haleakala (University of Hawaii), and many more*

*We'd love a volunteer to collect job posting URL's!

Professional Telescopes Continued

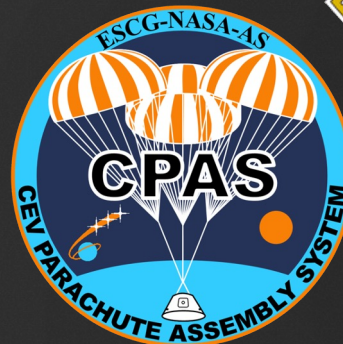
- Large Consortium Ground Based Observatories
 - NOIRLab, Giant Magellan Telescope, Extremely Large Telescope, Large Binocular Telescope, Rubin Observatory, Very Large Array, Atacama Large Millimeter Array, and many more.
- Space Observatories
 - HST, JWST, Chandra, Swift, Gaia, TESS, WISE, Euclid, Roman, Fermi, and many more.

Rose Smith (She/Her)

Manager, Sommers-Bausch Observatory

- Graduated in 2016 from the APS department.
- Worked for 4 years at Software Bisque, in Golden, CO
- Work on Crew Dragon, CPAS, and Virgin Galactic.
- Volunteered with SwRI on New Horizons and Lucy as an occultation observer.
- Worked with Sommers-Bausch Observatory since 2014, and as the manager since 2021.

rose@colorado.edu



Katie Kizziar (she/her)

Assistant Director for Education & Outreach, McDonald Observatory

- BS Civil Engineering and Masters in Public Affairs
 - STEM workforce development & informal science education
 - Museums & Science Centers
-
- Jobs in Austin and at McDonald Observatory
 - Engineering Scientist
 - Mechanical Engineer
 - Electrical Engineer
 - Facilities & Maintenance
 - Summer Outreach Intern

mcdonald.utexas.edu/about/jobs

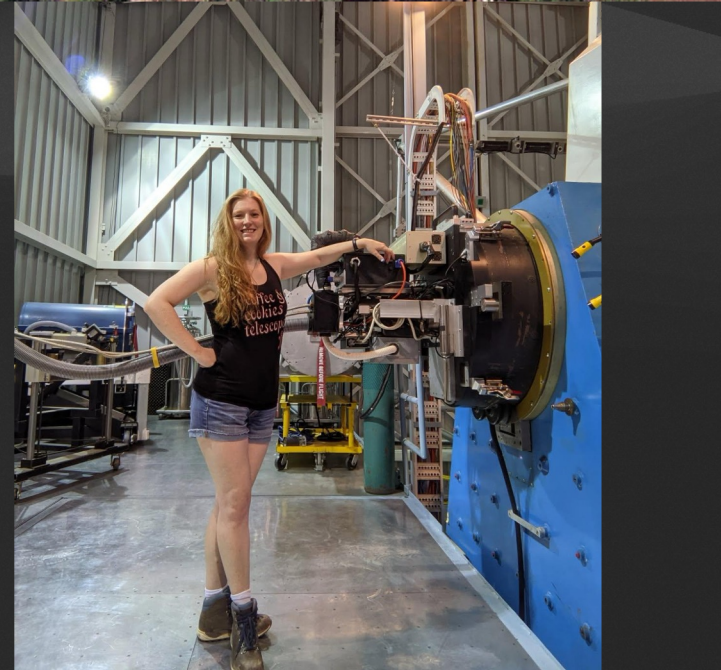


Dr. Candace Gray (she/her)

**Support Astronomer
Apache Point Observatory, Sunspot, NM**

- BS Physics, UT El Paso, 2006
 - MA Astronomy, UT Austin, 2009
 - Ph.D Astronomy, NMSU, 2015
 - Support Astronomer, 2015 - present
-
- Apache Point Observatory
 - Wonderful environment
 - Great people
 - Great work/life balance
 - No Ph.D required
 - <https://www.apo.nmsu.edu/Site/jobs/jobs.html>

candaceg@nmsu.edu




Stephanie Anderson (She/Her)

Owner, Cloud Break Optics
Seattle, WA

- BS in Physics and Mathematics, 2006
MSU Denver
- Worked at S&S Optika in Englewood,
CO for 11 years during and after
college
- Adjunct Physics and Astronomy Lab
instructor at MSU Denver/University of
Colorado, Denver
- Eclipse tour guide
- Deep involvement in amateur
astronomy community

stephanie@cloudbreakoptics.com



C L O U D B R E A K
O P T I C S



S & S Optika



So, how can you prepare?

- Observing Classes: ASTR3510/20/60: Imaging, Spectroscopy, Instrumentation
- Computing & Research skills: ASTR2600, ASTR3800, ASTR3400
- Work Experience: Sommers-Bausch Observatory, Fiske, LASP, SWRI, AstroTours, National Park summer programs (including RMNP)
- Clubs: CU STARs, Astronomy Club
- Research: Undergraduate RA, REU
- At Home: Learn to use a telescope, any telescope, including digital imaging

The background of the slide features a series of overlapping, wavy, organic shapes in various shades of dark blue and black, creating a layered, mountain-like or oceanic effect. The colors transition from a deep navy blue at the bottom to a near-black dark blue at the top.

Questions?

Upcoming ASTR/PHYS Professional Development Events

All in G130, 5-6pm, Wednesdays – with pizza!

- 12 Feb: Careers in Telescopes and Observing *with Rose Smith*
- 5 March: Careers in Education and Outreach *with John Keller*
- 19 March: Careers in Industry & Aerospace
- 9 April: Careers in Startups
- 23 April: Applying for Jobs

ASTR/PHYS students: read your weekly emails!

Everyone: check our departmental websites:

<https://www.colorado.edu/aps>

<https://www.colorado.edu/physics>

