

Events and Programs:	2013	2012	2011	2010
January	Ferenc Pavlics "The Development of the Apollo Lunar Rover". -Santa Barbara Museum of Natural History <b>"Legacy Award" to SBAU</b> Patron Dinner January 17, 2013	Howard Royster Alt-Alt tracking objects, based on video cameras and pattern recognition software and large mobile telescope	Dr. van der Veen, UCSB, AlloSphere Virtual Reality to teach cosmology of Planck Mission	Members' Night presentations, including a planetarium show by Javier, and astronomy rap
February	Dr. Jerry Wilson, SBAU member, Australia Total Eclipse and other eclipses and Telescopes used.	"Movie Night" BBC film on "extreme astronomy," highlighting some of Earth's finest observatories!	Dr. Tomasso Treu from UCSB's Physics galactic evolution.	"The Science and Technology of the James Webb Space Telescope", Dr. Till Liepmann
March	Dr. Steve Hodges, Navigating to Hawaii using the Stars	John Martinez of LCOGT (Las Cumbres Observatory Global Telescope Network) MARCH 24, ALL NIGHT <b>Messier Marathon</b> at the Shotgun range of the Gun Club	Dr. Jerry Wilson, will speak about his experience in astrophotography and imageprocessing. -Volunteer Luncheon in Fleischmann, SBMNH, Saturday, March 26 -MARCH 26, Tour <b>Sedgwick Reserve</b> LCOGT telescope	Dr. Andy Howell, LCOGT/UCSB, Dark Energy -- <b>March 20, Saturday, Messier Marathon at the Gun Club</b>
April	Elijah Quetin, UCSB Physics, "Music of the Spheres, linking music and astronomy" -- <b>Astronomy Day</b> , Camino Real Marketplace	Federica B. Bianco "light echoes of Eta Carinae" UCSB postdoc, LCOGT Network Santa Ynez Valley <b>Astronomy Night</b> , Los Olivos School, Saturday, April 21 -APRIL 28, 10-10PM <b>International Astronomy Day</b> at Camino Real Marketplace.	Dr. Gregory Dobler, astrophysicist Kavli Institute for Theoretical Physics at UCSB "A Light in the Dark: the Pursuit of the Nature of Dark Matter." -APRIL 2, <b>AU Messier Marathon</b> , Shotgun Range, Gun Club -AU-featured <b>display SB Public Library</b>	Dr. Vardha Nicola Bennert "The Co-evolution of Black Holes and Their Host Galaxies." --- <b>International Astronomy Day, Saturday, April 24, 2010</b>
May	Jane Houston Jones, JPL Nasa Saturn Cassini mission review --Annual <b>RTMC</b> Astronomy Expo at Big Bear Lake	Michael Johnson, "Pulsars: Precision Tools in an Astrophysical Laboratory." - Deep <b>Partial Eclipse</b> , Sunday, Camino Real 5/20/12. -Annual <b>RTMC</b> Astronomy Expo at Big Bear Lake	Stefania Tutino, Professor, Dept of History UCSB. "Galileo and the Catholic Church: Science and Religion in Context." -May 7 is our big day, International <b>Astronomy Day</b> -Annual <b>RTMC</b> Astronomy Expo at Big Bear Lake	Dr. Rus Belikov "Searching for Other Earths." astrophysicist, NASA Ames Research Center, Mountain View, Ca. - Annual <b>RTMC</b> Astronomy Expo at Big Bear Lake
June	SBAU <b>Potluck</b> , Movie Night? Oscars?	TUESDAY, JUNE 5, Solar scopes <b>Transit of Venus</b> , Camino Real, next is 105 years. -- SBAU <b>Potluck</b>	SBAU wins <b>Best Astronomy Club</b> "Out of this World" prize from Astronomy Magazine (probaby notified Ruben in March or April) --SBAU <b>Potluck</b>	SBAU <b>Potluck</b>
July			Summer <b>Star Party</b> , at Gun Club Saturday, July 23rd;	July 17, Telescopes campers <b>Lopez Lake</b> . -- July 31, <b>Star-B-Q</b> Gun Club
August	2013 <b>Astro Day?</b> Saturday, August xx, 2013 Museum of Natural History. -- August 28, field trip <b>tour of JPL</b> , Los Angeles Science Exposition Park, Space Shuttle Endeavour.	2012 <b>ASTRO-VAGANZA!</b> Saturday, August 11, 2012 Santa Barbara Museum of Natural History. -- <b>Chuck McPartlin</b> , Astronomical Society of the Pacific (ASP) <b>2012 Las Cumbres Award</b> , Tucson, Arizona on August 7th.		
September	<b>Paul Winn</b> , SBAU member, astrophotography	UCSB grad student Kevin Moore works with Lars Bildsten astrophysics novae stellar environments, detonations in helium layers, asteroseismology. - <b>SBAU Campout</b> Mohawk Shores Cachuma Lake September 14th. - <b>Griffith Observatory</b> Wed, Sept. 19th	Dr. Lars Bildsten, Kavli Institute for Theoretical Physics, UCSB, exploding stars. -Annual <b>AU campout</b> at the Mohawk Shores group campsite at Cachuma Lake -Pacific Astronomy and Telescope Show ( <b>PATS</b> ) September 17-18 at the Pasadena Convention Center	Wayne Rosing, telescope mirrors, chief technical advisor Las Cumbres Observatory Global Telescope. --Sept 17, <b>Annual AU campout</b> , Mohawk Shores group campsite at Cachuma & Lake International Observe the Moon Night
October	[Dark energy vs. dark matter latest theories?]	Jordan Evans, Engineering Development and Op Manager, Mars Science Laboratory (MSL) Curiosity rover project NASA's Jet Propulsion Laboratory. - Carpinteria <b>Avocado Festival</b> Star Party Sat, October 6th	Scott Roberts of Explore Scientific. designing fine eyepieces and telescopes. <b>Fall Astronomy Day</b> Santa Barbara Museum of Natural History on October 1st -"International <b>Observe The Moon Night</b> " October 8th	<b>Chuck McPartlin</b> , outreach coordinator, "Planets Beyond Neptune." - <b>CALSTAR</b> at Lake San Antonio. -- <b>Avocado Festival</b> in Carpinteria on Saturday, 10/2
November	[Future Nasa spacecraft plans?]	Dr. Gary Horowitz from UCSB's Physics Department. "Mysteries of Space and Time." Gary's research focuses on questions involving gravity under the most extreme conditions.	Dr. Robert Piccioni whose topic is "Einstein for Everyone." --NOVEMBER 11, <b>Archaeoastronomy</b> , Farrand Hall at SBMNH: "The Power of Stars"	<b>Las Cumbres Observatory Global Telescope</b> short meeting, followed by a tour. November 6, AU invited to <b>Sedgwick Reserve</b> , Santa Ynez Valley LCOGT 0.8m (32") telescope.
December	<b>Members' Night</b> along with the elections of our club officers. -- <b>Holiday Party</b> Beachside	<b>Members' Night</b> along with the elections of our club officers. -- <b>Holiday Party</b> Beachside	<b>Members' Night</b> along with the elections of our club officers. -- <b>Holiday Party</b> Beachside	<b>Members' Night</b> along with the elections of our club officers. -- <b>Holiday Party</b> Beachside

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January	balloonist <b>Julian Nott</b> NASA, testing designs balloon missions to Saturn's moon Titan.	AU member <b>John Martinez</b> Las Cumbres Observatory Global Telescope, and 33" telescope installing Sedgwick Reserve	video of Huell Howser's visit to the newly reopened Griffith Observatory with Dr. Ed Krup.	AU member Craig Prater story of cruise to the South Pacific to view the total solar eclipse in 2005.
February	Bob Richard, "My Astrophotography Journey: A Work in Progress."	AU member Bob Piatek of Fishcamp Engineering, "Starfish camera", adventures installing cameras at Cerro Tololo Observatory in the Andes.	Tom Whittemore and Tim Crawford tell us about mirror grinding, polishing, and testing.	
March	UCSB professor, Omer Blaes, whose talk is titled "Singing Black Holes." --March 7th, the Astronomical Unit traveled to Griffith Observatory.	<b>Jerry Wilson</b> "Physics of Detectors for Imaging Systems" --March 29, <b>Lights Out America</b> .	Dr. Joann Eisberg, tells us about New Zealand astronomer Beatrice Tinsley contributions to Cosmology. -March 17, Annual AU <b>Messier Marathon</b> at the Gun Club	Krissie will tell us all about what's going on with astronomy at the Museum. - March 25, AU <b>Messier Marathon</b> at the Gun Club.
April	--"100 Hours of Astronomy" April 2:State St. 3:SBMNH w/UCSB professor Patrick McCray; "Amateur Astronomers and the Dawn of the Space Age" 4-5:Paseo Nuevo Mall+star party.	<b>W. Patrick McCray</b> , UCSB history professor, on "Amateur Astronomers, Sputnik, and the Dawn of the Space Age." April 6-13 National <b>Dark Sky</b> week. --April 5 <b>Messier Marathon</b> , gun club	Krissie, our distinguished speaker. -April 21, <b>Astronomy Day</b> .	<b>Michael McEachen</b> will speak about his work on a solar sail project. -April 13, Lecture on <b>Black Holes</b> in Fleischmann Auditorium at SBMNH by Dr. Omer Blaes of UCSB. -April <b>SBAU display</b> downtown branch Santa Barbara Library by Chuck and Dale.
May	AU member and now NASA scientist Dr. Rus Belikov, "Searching for Other Earths." --May 2 <b>Astronomy Day</b> , SBMNH. -- May17 <b>Space Music</b> Concert, SBMNH. -- Annual <b>RTMC</b> Astronomy Expo at Big Bear Lake	Dr. Stuart Taylor about extrasolar planets --May 10, <b>Astronomy Day</b> SBMNH. May 22, Telescopes for the <b>lecture</b> at SBMNH, Dr. Andrea Ghez " Supermassive Black Hole at the Center of Our Galaxy" w/ LCOGT sponsor	Javier "El Magnifico" Rivera, "how we measure astronomical distances". -May 17, Telescopes for former SBAC member <b>Dr.Alex Filippenko's</b> talk at Fleischmann Auditorium at SBMNH. -May 26, <b>RTMC</b> Astronomy Expo	<b>Mr. Julian Nott</b> , a balloonist, history and applications. -May 6, <b>Astronomy Day</b> at SBMNH. -May24, Telescopes for <b>exoplanet lecture</b> at SBMNH. -May 26, <b>RTMC</b> Astronomy Expo at Camp Oakes in Big Bear!
June	SBAU <b>Potluck</b>	SBAU <b>Potluck</b>	SBAU <b>Potluck</b>	June 2 Annual <b>AU Potluck</b>
July			-JULY 7, Annual AU <b>Starbecue</b> at the Gun Club. -JULY 11, rescheduled <b>Griffith</b> Obs trip. -July 20, <b>Harry Potter</b> book event Camino Real Marketplace.	July 28, <b>JPL Trip!</b>
August		August 9, Goodbye for <b>Krissie</b> McVeagh House at SBMNH	--August 28th <b>Total Lunar Eclipse</b>	AU's 3rd Annual <b>Star-B-Que</b> at 6PM on Saturday, August 26.
September	Craig Prater, former officer of the AU "Around the World in Search of Total Solar Eclipses." --Sept 17, Annual <b>CALSTAR</b> star party at Lake San Antonio. --Sept25, <b>AU campout</b> and Starbecue	<b>John Boyd</b> , SBAU member, <b>Solar Observing</b> . -- <b>CALSTAR</b> star party at Lake San Antonio. --Sept 19, <b>AU campout</b> and Starbecue, Cachuma Lake. -- <b>PATS</b>	AU member <b>Paul Winn</b> , his amazing adventures in astrophotography! -Sept 14, <b>AU Campout</b> .	Dr. Ashley Stroupe, NASA's Jet Propulsion Laboratory, Staff Engineer, multi robot teams in complex environments. Sept 21, <b>CalStar</b> .
October	<b>Chuck McPartlin</b> , "Solar Systems, Here and There." --Oct 3, "Guacamoon and Jupiter Too" <b>Avocado Festival</b>	<b>Dr. Paul Norton</b> , a local retired scientist, "detector arrays". --Oct 25, William (Chad) Caprio, October <b>Messier Marathon!</b> Winchester Gun Club	Tim Ferris' latest documentary, "Seeing in the Dark." connection between amateur and professional astronomy. -Great World Wide <b>Star Count</b> --Oct 11, <b>CalStar</b>	Nancy Vandermey from JPL will talk about the Cassini mission to Saturn. -Oct 21, <b>AU Campout</b> .
November	<b>Dr. Paul Norton</b> , a specialist in infrared and night-vision detectors, "Detector Arrays". --Astronomer Dr. Mike Brown at SBMNH, "How I killed Pluto". --Nov 12, <b>Galileo</b> Show in Fleischmann Auditorium.	<b>NOVA</b> video our galaxy's black hole, "The Monster in the Milky Way."	AU member Joe Doyle will show us how to build a Dobsonian telescope	club member, Craig Prater's trip to total solar eclipse 2006 Sahara Desert in Libya ( <b>Dale Lowdermilk</b> , <b>M&amp;J Johnson</b> photos)!
December	<b>Dr. Tom Farr</b> , NASA/JPL, Cassini and Mars missions. -- <b>Holiday Party</b> Beachside	<b>Members' Night</b> . -- <b>Holiday Party</b> Beachside		