



# AU AstroNews

## The Newsletter of the Astronomical Unit

November 2013

Sponsored by the Santa Barbara Museum of Natural History



A busy evening at the mirror-making workshop. Photo: Tom Totton.

### OUR NOVEMBER MEETING

Our speaker this evening will be UCSB physicist and member of the Planck Mission team, Dr. Peter Meinhold. Dr. Meinhold will present us with a review of the latest CMB data. ***Please note that there will be a planetarium show starting at 7PM, but the general meeting will start at 8PM.***

### OUTREACH SUMMARY

Since the last newsletter, AU outreaches Peter Angeloff, Sabine & Marciano Chan, Tim Crawford, Carolyn & Ed Edwards, Mike Farris, Ruben Gutierrez, Art Harris, Wes Kelm, Chris Larson, Zanna Lucy, Pat & Chuck McPartlin, Janet & Martin Meza, Bruce Murdock, Max Neufeldt, Edgar Ocampo, Bob Richard, Javier Rivera & Quasars, Nancy Rohrer, David Salvia, Gary Schneider, Colin Taylor, Tom Totton, John West, Tom Whittemore, and Tim Wittenburg showed the night sky to 2328 astro-tourists.

### OUTREACH REPORT

Here are the AU events scheduled so far for November. Remember, events are subject to change, so to get the latest information on schedules, or directions, just contact Chuck at 964-8201 or [macpuzl@west.net](mailto:macpuzl@west.net)

### FRIDAY, NOVEMBER 1, 7 PM

***\*\*\* Note Change in Meeting Routine \*\*\****

Monthly meeting in Farrand Hall at SBMNH. ***Long planetarium show, because Farrand Hall is in use by another group until about 8 PM, when our normal meeting will start.***

### SATURDAY, NOVEMBER 2, SETUP 6 PM

Telescopes for Bacara Resort and Spa. We set up on their Miró Lawn. Contact Chuck for access if you haven't come before.

### SUNDAY, NOVEMBER 3, 2 AM

Daylight Saving Time ends. Fall back an hour, so it's dark sooner for astronomers!

### MONDAY, NOVEMBER 4, SETUP 5:30 PM

Telescopes for Science Night at Coastline Christian Academy, on Cathedral Oaks at the NE side of the intersection with Fairview.

### THURSDAY, NOVEMBER 7, SETUP 5 PM

***Note two events Nov 7, so we'll need two teams***  
Telescopes for Science Night at Hollister School, 4950 Anita Lane in Goleta. We enter their playground through a gate on the East side, off Ashton Street.

### THURSDAY, NOVEMBER 7, SETUP 6 PM

***Note two events Nov 7, so we'll need two teams***  
Telescopes for an Astronomy Night at Goleta Public Library, 500 North Fairview Avenue in Goleta. Scopes will be in the back parking lot of the Christian Science place next door.

### FRIDAY, NOVEMBER 8, SETUP 6 PM

Telescopes for an Astronomy Night at the Sedgwick Reserve, at the end of Brinkerhoff Avenue near Los Olivos. Dark Skies! At 7 PM, hear a talk by George Carlisle of NASA/JPL about Space Exploration, followed telescope viewing at 8 PM.

### **SATURDAY, NOVEMBER 9, 5 PM**

AU Planning Meeting in the classroom outside Javier's office at SBMNH. Come help plan your club's activities.

### **SATURDAY, NOVEMBER 9, 7 PM**

Monthly Public Star Party at SBMNH. Bring a scope and have fun showing goodies in the sky outside Palmer Observatory, or just show up and enjoy looking at them.

### **TUESDAY, NOVEMBER 12, SETUP 7 PM**

Telescope Tuesday at the Camino Real Marketplace in Goleta. We set up in the plaza by the theater.

### **THURSDAY, NOVEMBER 14, SETUP 7 PM**

Telescopes for Manzanita Dormitory at UCSB. We'll set up in their central plaza. Tell Chuck if you're planning to come, so we can get parking permits.

### **FRIDAY, NOVEMBER 15, SETUP 6:30 PM**

Monthly Public Telescope Night at Westmont College, at the observatory, next to the baseball field.

### **SATURDAY, NOVEMBER 16, SETUP 6 PM**

Telescopes for Bacara Resort and Spa. We set up on their Miró Lawn.

### **FRIDAY, NOVEMBER 22, SETUP 6 PM**

Telescopes for Bacara Resort and Spa. We set up on their Miró Lawn.

### **FRIDAY, NOVEMBER 29, SETUP 6 PM**

Telescopes for Bacara Resort and Spa. We set up on their Miró Lawn.



*"Hmmm.... Let's see. I think I'll be able to crack this Arp Galaxy Group by about midnight..." Photo: Tom Totton.*

### ***From the President's Pen...***

*Mike Farris*

#### ***A hearty welcome to our new members...***

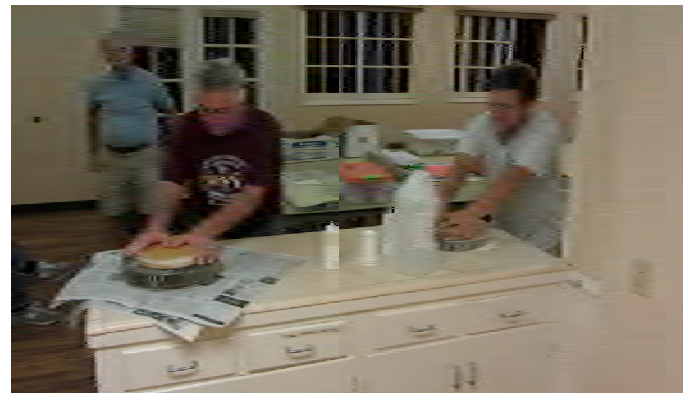
The year is moving fast this year, and we have had many people join the club. Here is a list of people who have joined the club this year. I would personally like to welcome you to the club and make sure that you take advantage of all the benefits that the SBAU has to offer. If you do not see your name listed, please and let me know so we can list it in the next issue of the AstroNews.

Eldon Chapman, Zak Dafaallah, Donna Dietz, Ian & Sebastian Fisher, Chris Guarino, Cata Gomez, John Helms & Shahirah Mahmood, Tom & Marina & Justin King, Shannon Lie, Nancy Lynch, Levi Maaia, Bruce Murdock, Joseph Nagel, Steven Peterson, Matthew Tucker-Simmons & Lisa August-Schmidt, Ronald Smith, Richard "Dick" Tracey, Christopher Ulivo, Nathan Winn, Mike & Dianne Wondolowski, Dennis & Mary Ellen Wylie, and Alice Zhang He.

Please welcome our new members. Let them know how much you appreciate them. So, here's to you, new members: A very big congratulations on becoming a member of the world-renowned and award-winning Santa Barbara Astronomical Unit.

#### ***On the Horizon...***

Comet ISON is slowly approaching us and by late November, you should be able to see it without a scope, so keep your eyes peeled for maybe the event of a lifetime. That's it for me and looking forward to seeing you at the November 1st meeting.



*Dueling mirror makers. Photo: Tom Totton.*

## Arts Corner...

### What a Pilgrimage!

Jürgen Hilmer

A Pilgrimage to the Mount Wilson Observatory was a wish come true. One can appreciate the 100-inch Hooker Telescope up close. Arrange to use the 60-inch and a chance to observe objects in the night sky. Under the right seeing conditions, objects are very detailed and a truly lasting experience.

Now, at last, in 2014 the 100-inch Hooker will become available for observing time to the public. To have observing time on this historic telescope and its 100-inch mirror places it at the top of the must "to do" list.

The 100-inch Hooker saw First Light in 1917. It was the largest telescope on Earth at that time. Let us not forget the results it achieved. It played a major role in acting as the catalyst of our current Astronomy and Cosmology. Edwin Hubble's work with this great telescope placed the Nebulae (Island Universes) outside our Milky Way. (At that time we believed our Milky Way to be our whole Universe.) Also, he saw these Island Universes receding from each other. This expansion, if played in reverse, helped give rise to the theory that 13.7 billion years ago time and space started at time zero. That makes the "Big Bang" the start of our Universe.

### THE GREAT 100-INCH HOOKER

Jürgen Hilmer

The Great Wall in China and pyramids in Egypt  
Man-made for Man's Earthly Needs.

But the great 100-inch Hooker  
Man-made to find his Earthly Seeds  
and to his surprise its Cosmic Seeds!

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### AU annual membership rates:

**Single = \$15 Family = \$25**

### AU mailing address:

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## November 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 SBAU GENERAL MEETING 8PM	2 BACARA RESORT 6PM
3 	4 COASTLINE CHRISTIAN 5:30PM	5	6	7 HOLLISTER SCHOOL 5PM GOLETA LIBRARY 6PM	8 SEDGWICK RESERVE 6PM	9  PLANNING MEETING 5PM STAR PARTY 7PM SBMNH
10	11	12 CAMINO REAL MARKETPLACE 7PM	13	14 UCSB MANZANITA 7PM	15 WESTMONT COLLEGE 6:30PM	16 BACARA RESORT 6PM
17 	18	19	20	21	22 BACARA RESORT 6PM	23
24	25 	26	27	28	29 BACARA RESORT 6PM	30

### The Astronomical Unit

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