OUR JANUARY MEETING
Our speaker this evening will be Ferenc Pavlics whose topic is "The Development of the Apollo Lunar Rover and the Mars Roving vehicles."
Ferenc was born in Hungary and graduated from the Technical University of Budapest in 1950 with a degree in mechanical engineering. He left Hungary in 1956 for the United States and worked in the General Motors Research Laboratory first in Detroit, then in Santa Barbara, California in the field of mobility research. In the 1960s he worked on several lunar vehicle contracts with NASA culminating in the development of the Apollo Lunar Roving Vehicle. He was the chief engineer for GM’s part of the LRV.

In the 1970s GM transferred him to Europe where he organized the production of the Opel Corsa cars in a newly-established GM factory in Spain. After retiring from GM he participated in the design of the Mars Pathfinder Rover and the Mars Exploration Rovers as a consultant to JPL. He was awarded the Order of Merit of the Republic of Hungary in 2008.

OUTREACH SUMMARY
Since the last newsletter, AU volunteers Angela Bates, Anthony & Luis Castrejon, Bill Clausen, Karleen & Dennis Cowan, Tim Crawford, Joe Doyle, Mike Farris, Tony Galván, Daniel Godinez, Ruben Gutierrez, Art Harris, Jürgen Hilmer, Pat & Chuck McPartlin, Janet & Martin Meza, Max Neufeldt, Edgar Ocampo, Rosemary & Al Rice, Javier Rivera & Julio & Zack & Quasars, Colin Taylor, Tom Totton, Barry White, Tom Whittemore, and Jerry Wilson showed cool astro stuff to 1009 visitors. Not bad for a month with some cloudy weather! A quick look at our totals for 2012 (not all events have happened yet) shows we had a record year for public attendance, with a total of over 19,000. A big THANK YOU to all the hard-working outreach volunteers!

OUTREACH FOR JANUARY
Here's what's scheduled so far for January. Just help out at six AU outreach events in a year, and your membership gets extended a year. What a deal! Remember, events are subject to change, so for the latest updates, contact Chuck at 964-8201 or macpuzl@west.net.

FRIDAY, JANUARY 4, 7 PM
Catch a quick planetarium show by Javier, followed by our first monthly meeting of the year in Farrand Hall at SBMNH. Our speaker is Ferenc Pavlics who will talk about "The Development of the Apollo Lunar Rover and the Mars Roving vehicles."

SATURDAY, JANUARY 12, 5 PM
Monthly AU planning meeting in the classroom outside Javier's office. Come help your club plan our activities for the coming year.

SATURDAY, JANUARY 12, 7 PM
Monthly SBMNH Star Party. Bring a scope, or just come out and mooch some views of the winter sky.
TUESDAY, JANUARY 15, 7 PM
Telescope Tuesday at the Camino Real Marketplace in Goleta. We set up in the plaza by the theater.

WEDNESDAY, JANUARY 16, SETUP 5 PM
Telescopes for McKinley School, at 350 Loma Alta Drive in Santa Barbara. We'll probably set up on their front lawn.

FRIDAY, JANUARY 18, SETUP 6 PM
Monthly Westmont Public Telescope Night at their observatory, next to the baseball field. To check the status of the viewing if the weather looks iffy, call the Westmont Telescope Viewing Hotline at 565-6272. The Lunar X will be visible from 10:32 PM until moonset this evening.

WEDNESDAY, JANUARY 23, SETUP 6 PM
Telescopes for third graders at Vieja Valley School, at 434 Nogal Drive. We set up on the playground, at the NW side of campus.

THURSDAY, JANUARY 24, SETUP 5 PM
Telescopes for Science Night at Monte Vista School, at 730 North Hope Avenue in Santa Barbara. We set up on the south side of the campus, near the kindergarten playground.

WEDNESDAY, JANUARY 30, SETUP 6 PM
Telescopes for Anacapa School, at 814 Santa Barbara Street in Santa Barbara. Contact Chuck for setup arrangements.

THURSDAY, JANUARY 31, SETUP 5:15 PM
Telescopes for Science Night at Brandon School, at 195 Brandon Drive in Goleta. We set up in their central courtyard.

OF INTEREST
The Science and Engineering Council of Santa Barbara’s January 10 Luncheon Meeting will feature Dr. Claudio Campagnari of UCSB and CERN, speaking about the Higgs Boson. The meeting will be from noon to 1:30 at the Elephant Bar Restaurant by the airport. Admission is $15 for SEC members, and $25 for non-members, payable by cash or check at the door. www.scieng.org

Arts Corner...

Club member, Jerry Wilson, took the following wonderful set of images of the recent total solar eclipse near Queensland, Australia. Note the “diamond ring” effect in the last image.
**CANIS MAJOR**
The great Overdog, 
That heavenly beast 
With a star in one eye, 
Gives a leap in the east. 
He dances upright 
All the way to the west, 
And never once drops 
On his forefeet to rest. 
I'm a poor underdog, 
But to-night I will bark 
With the great Overdog 
That romps through the dark.

*Robert Frost, 1928*

**ALDEBARAN AT DUSK**
Thou art the star for which all evening waits--
O star of peace, come tenderly and soon,
Nor heed the drowsy and enchanted moon,
Who dreams in silver at the eastern gates
Ere yet she brim with light the blue estates
Abandoned by the eagles of the noon.
But shine thou swiftly on the darkling dune
And woodlands where the twilight hesitates.
Above that wide and ruby lake to-West,
Wherein the sunset waits reluctantly,
Stir silently the purple wings of Night.
She stands afar, upholding to her breast,
As mighty murmurs reach her from the sea,
Thy lone and everlasting rose of light.

*George Sterling, 1911*

**A TENT SONG**
Till we watch the last low star,
Let us love and let us take
Of each other all we are.
On some morning with that star
One of us shall lie awake,
Lonely for the other's sake.

*Witter Bynner, 1917*

**For Sale, Cheap!**
Barely used Maya Apocalypse bunker, in the 
beautiful Nevada desert just north of Peccary Sqwat 
(pronounced “sweet” – it’s an Indian word). Comes 
stocked with surplus C-rations, some of which have 
not expired. Contact AU member Harry Ocular for 
further details on this once-in-a-lifetime deal.
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**The Astronomical Unit**
c/o Santa Barbara Museum of Natural History 2559 Puesta Del Sol Road Santa Barbara, CA 93105-2998