



## NEXT KAS OPEN MEETING



**Friday May 2<sup>nd</sup>, 2014 @ Round Table Pizza**  
**4200 Gosford Rd Bakersfield 93313**  
Dinner & Fellowship: **6:30 pm**  
Meeting & Program: **7:30 pm**

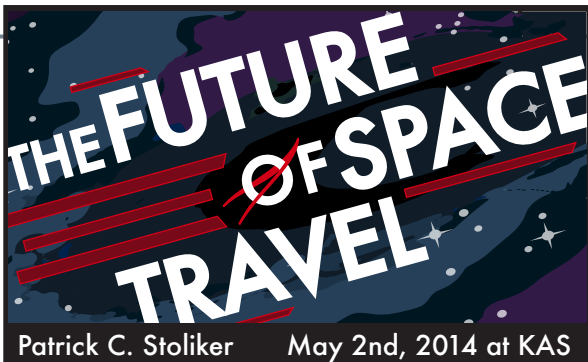


May 2<sup>nd</sup> Program

DEPUTY DIRECTOR PATRICK C. STOLIKER, NASA  
"Future of Space Travel"

June 6<sup>th</sup> Program

TARA HOSTNIK, DARK SKY FESTIVAL  
"Dark Sky Festival , Camping & the Sky"



### ABOUT THE NEIL ARMSTRONG FLIGHT TEST CENTER

The Armstrong Flight Research Center is NASA's primary center for atmospheric flight research and operations. NASA Armstrong is critical in carrying out the agency's missions of space exploration, space operations, scientific discovery, and aeronautical research and development (R&D).

Located at Edwards, California, in the western Mojave Desert, Armstrong is uniquely situated to take advantage of the agency's missions of space exploration  
cont pg 4.



**Deputy Director Patrick C. Stoliker** is of NASA's Armstrong Flight Research Center, Edwards, CA. He assists the Center director in the management of the NASA field center, focusing on strategy, business processes, and institutional management.

Prior to his present assignment, Stoliker briefly served as Acting Associate Director for Operations at NASA Dryden (now Armstrong), responsible for coordinating the efforts of the Flight Operations, Test Systems, Research and Engineering Directorates in the conduct of flight research and flight testing of new and unique aircraft.

Stoliker has held several increasingly responsible management roles at NASA, including Deputy Associate Director for Operations, five years as Director for Research and Engineering and Assistant Director for Programs and Projects and Dynamics Branch chair of the X-43 Vehicle 1 and X-38 Vehicle 132 flight readiness reviews. continued pg 4

## THE KERN ASTRONOMICAL SOCIETY INFOSHARE

### WHO WE ARE

Since 1956, The Kern Astronomical Society has promoted community awareness of current events in astronomy, and provides a forum for sharing of knowledge and experiences among amateur astronomers.

Annual membership is \$20.00 which also provides "Sky and Telescope" and / or Astronomy magazines at reduced rates. More information on our web site. The KAS will e-mail The Syzygy free of charge to any educator; just contact the editor.

### CLUB STAR PARTIES

The Kern Astronomical Society usually has 2 Club-Star Parties per month depending on the weather. We also host public Star parties upon request.

Our Star Parties are held on Saturdays. The primary date is the weekend of new moon with the secondary date being before or after new moon. You may get current Star Party information from our coordinator, Darren Bly.

### NEXT MEETING

**The KAS holds their Monthly meeting the 1st Friday of every month.**

**Round Table Pizza** in the "Meeting Room"

Diner & Fellowship: **6:30 pm**; Meeting: **7:30 pm**

4200 Gosford Rd. #101, Bakersfield 93313, (661) 397-1111



### KAS CLUB TELESCOPES

The Kern Astronomical Society has telescopes and accessories (listed below) available for loan to Club members in good standing. Members are encouraged to borrow the different types of scopes in stock (especially if you are considering purchasing one-checking out and trying different types will help you make an informed purchase decision). If you have a Club scope in your possession, the KAS expects you to use it by participating in at least one Star party.

- 6" f/6, 8" f/6, 10" f/5.6, 13" f/4.5 Dobsonian scopes
- Parks Jovian 90, 3-1/2" F-13 Maksukov-Cassegrain
- 4" f/15 Unitron Refractor
- 8" solar filter
- Eyepieces up to 2" wide

### KAS CONTACTS

Star Parties	Darren Bly	661-832-0712	dcibly@bak.rr.com
President	Diane Franco	661-487-2519	galxygrl@gmail.com
Vice President	Cathy Jones	661-319-4424	jonesdcm@aol.com
Treasurer	Ken Powers	661-393-6379	kpowers@bak.rr.com
Secretary	Heather Ponek	661-873-1545	heatronn@bak.rr.com
Board Member	Charlie Brown	661-833 8175	astronomer@inorbit.com
Board Member	Mike Ponek	661-477-4306	mponek@bak.rr.com
The Syzygy	Florencio A. Ortiz	661-549-6984	piezzo88@gmail.com

Kern Astronomical Society  
on Facebook

[facebook.com/groups/syzygy/](https://www.facebook.com/groups/syzygy/)



SUN	MON	TUE	WED	THUR	FRI	SAT
27 moon ↑ 5:09 am moon ↓ 6:21 pm sun ↓ 7:39	28	29	30	1	2 ○ KAS Meeting 6:30p	3 ○ KAS at Lockwood
4 moon ↑ 7:04 am moon ↓ ----- sun ↓ 7:45t	5 ○ Eta Aquarids Meteor Shower [info]	6 ● 8:15 pm 	7	8	9	10 ○ Summer Public Star Party Series Begins* ○ Saturn Opposition
11 moon ↑ 4:57 pm moon ↓ 3:55 am sun ↓ 7:50	12	13	14 ● 12:16 pm 	15	16	17 ○ Girls Scouts at Lake Ming, Public Solar
18 moon ↑ 11:51 pm moon ↓ 9:42 am sun ↓ 7:56	19	20	21 ● 5:59 am ○ Panorama Vista Preserve, Public Solar 	22	23	24
25 moon ↑ 3:46 am moon ↓ 5:13 pm sun ↓ 8:01	26	27	28 ○ 11:40 am 	29	30	31 ○ KAS at Lockwood

- STAR PARTY COORDINATOR **DARREN BLY** [DCBLY@BAK.RR.COM](mailto:DCBLY@BAK.RR.COM)
- \*TENTATIVE PER KAS DISCUSSION, JOIN THE TALK AT OUR MEETING MAY 2<sup>ND</sup>!



"RED MOON, GREEN BEAM"  
 COPYRIGHT: DAN LONG  
 (APACHE POINT OBSERVATORY) [ [INFO](#) ]



**About the Armstrong Flight Research Center** continued



[ right [Blackbird](#) ]  
 [ top [Armstrong Center](#) ]  
 [ lower [X-24A, M2-F3, HL-10](#) ]

space operations, scientific discovery, and aeronautical research and development (R&D).

Located at Edwards, California, in the western Mojave Desert, Armstrong is uniquely situated to take advantage of the excellent year-round flying weather, remote area, and visibility to test some of the nation's most exciting air vehicles.

In support of space exploration, we are managing the launch abort systems testing and integration, in partnership with the Johnson Space Center and Lockheed Martin, for the Crew Exploration Vehicle that will replace the Space Shuttle.

Armstrong was the primary alternate landing site for the Space Shuttle and orbital support for the International Space Station.

In support of scientific discovery, we are managing the Stratospheric Observatory for Infrared Astronomy (SOFIA) program - a flying telescope aboard a Boeing 747 aircraft - in partnership with the Ames Research Center and the German Aerospace Center.

In support of aeronautical R&D, we are involved in many aspects of the Fundamental Aeronautics and Aviation Safety programs, including the X-48 Blended Wing Body and Ikhana (Predator B) in support of subsonics and Adaptive Flight Controls in support of the Aviation Safety Program.

For over 60 years, projects at Armstrong have led to major advancements in the design and capabilities of many state-of-the-art civilian and military aircraft. The newest, the fastest, the highest - all have made their debut in the vast, clear desert skies over Dryden.

Armstrong Flight Research Center plays a vital role in advancing technology and science through flight. Here, we demonstrate America's leadership in aeronautics and space technology as we continue to push the envelope to revolutionize aviation and pioneer aerospace technology. -NASA

**Patrick C. Stoliker Bio** continued

Stoliker first came to NASA in April of 1992 as a senior aerospace engineer for PRC, Inc., and became a civil servant in 1994. Assigned to the X-31A Enhanced Fighter Maneuverability project, he worked as a lead flight controls engineer during the project's high angle-of-attack envelope expansion, the close-in-combat evaluations, and the quasi-tailless experiment. Before coming to NASA, Stoliker was employed for 10 years by Northrop Corp. He was the lead flight controls engineer and a principal in flight testing of the Tri-Service Stand-off Attack Missile. He also managed the guidance, navigation, and control organization at Northrop's Newbury Park, CA, site.

Stoliker is the author of several technical papers. He received the NASA Exceptional Service Medal for his contributions to flight control system development in 1999, and was the recipient of the NASA Outstanding Leadership Medal in 2009.

Stoliker earned a Bachelor of Science in Aerospace Engineering from the University of Southern California, Los Angeles, in 1978 and a Master of Science in Aeronautics and Astronautics from Stanford University, Palo Alto, CA, in 1979.

**NASA Honors Astronaut Neil Armstrong with Center Renaming**

Two generations of aerospace engineering excellence will come together March 1 when NASA's Dryden Flight Research Center in Edwards, Calif., is redesignated NASA's Armstrong Flight Research Center. The agency's center of excellence for atmospheric flight research is being renamed in honor of the late Neil A. Armstrong, a former research test pilot at the center and the first man to step on the moon during the historic Apollo 11 mission in 1969.

[ [read on at NASA.gov](#) ]