

Aviation Exploring Post 107 **FLIGHT LOG**

Aerospace Career And Personal Development

Somerset Air Service, Inc. SMQ

Dated: March 7, 2005

<http://www.aep107.com>

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Aviation Exploring is "Learning For Life sponsored by the: **Somerset Air Service**

Somerset Airport @ George Walker Field – SMQ "A Field of Dreams"

P.O. Pox 1007, Bedminster, NJ 07921

908 722 2444 / somersetair@earthlink.net / <http://www.georgewalkerfield.com>

Aviation Exploring Post 107 has taken off and is on an exciting journey in aerospace. Our journey is documented in our **AEP107 FLIGHT LOGS**. Our experiences, activities, member information are recorded and published to our membership, alumni, recruits, partners and friends of AEP107, generally on a weekly basis. The AEP107 Flight Logs are also posted on www.aep107.com / Member Hanger / Document. Welcome to our journey!

Please send all FLIGHT LOG information to: chairman@aep107.com

AEP107 & MEMBERSHIP ACTIVITY [Return To Contents](#)

AEP107 Note: May we have help of the parents, and friends to identify the great things our members are doing?

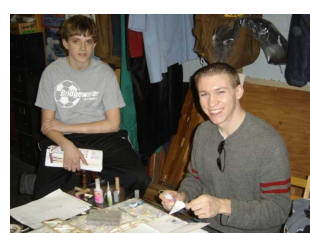
THU	10	7:00 PM	<p>Career Development: 7:30 PM</p> <ul style="list-style-type: none"> ❖ We had a discussion about our career goals and how we plan to get there. ❖ We found out that Andrew Ericksen is an accomplished "Hang Glider" pilot. I think a number of our members would try hang gliding if they had the opportunity 	Tom Teel	SMQ
SAT	11	1 PM	<p>Gentle Lady Construction</p> <p>Our members are in the mid-winter build season constructing the Gentle Lady. The Gentle Lady will join our R/C Model Airplane fleet and will be entered into the Somerset Signal Sender's Soaring Contest.</p>	Rich Negran	Big Al's Home



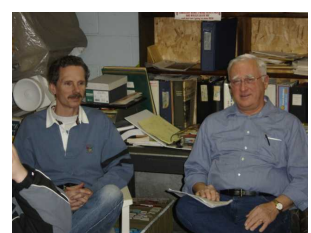
James & Ian



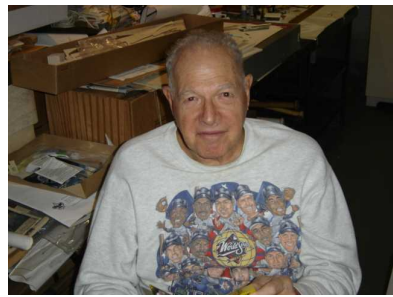
Cameron and ... Keith



Andrew & James



Bob (Andrew's Dad) and Rich Negran



Al Macdonald
Aviation Exploring Post 107
Founder and Chairman Emeritus

UP & COMING ACTIVITIES [Return To Contents](#)

MARCH 2005

THU	17	7:00 PM	Aerospace Presentation: 7:30 PM Mr. Jack McNamara, Esq. , Aviation Law	Ian Ricks	SMQ
THU	24	7:00 PM	NorthStar Presentation & Tour: 7:30 PM	Brian Mensing	SMQ
WED	30	7:00	Cigar Box Soaring Contest – Test Flight Test Fly your gliders before the April 23 contest. Contact James for additional information.	James Alaggio	4-H Facility 310 Milltown Rd Bridgewater, NJ

AirVenture 2005 / <http://www.airventure.org/index.html>

Announcement: The AEP107 objective is to take our members to the worlds greatest general aviation air show. However, the **AEP107 Program Partners** (below) are each welcome to apply for one or two places for our trip to AirVenture 2005.

- ❖ Transportation & Housing costs should be in the \$400 per person range for 7 days. Costs for food, bus to & from show (\$4.00 RT), gifts and admission costs are managed by the individual participants. **Note:** Explorers and adults can earn ExploringMiles from airplane washes to help pay for the trip. Our Explorers have the opportunity to volunteer at a number of places within AirVenture <http://www.airventure.org/2005/events/volunteers.html>
- ❖ A one hundred dollar deposit will be required by our THU, MAY5 Business Meeting to reserve your spot.

		Leave	A. & E. Macdonald Scholarship Recipient to AirAcademy Newark to <airport>	Arrive	
SUN	24	Leave AM	Newark to <airport>	Arrive	
			AirVenture 2005, July 25 - 30, 2005		
SAT	30	Leave PM	<airport> to NEWARK	Arrive	

MORE AIR SHOW PERFORMERS CONFIRMED FOR EAA AIRVENTURE

March 9, 2005 - EAA has received confirmation from more of the world's top air show performers that they will fly at EAA AirVenture Oshkosh 2005, scheduled for July 25-31 at Wittman Regional Airport. Also, one of the most popular EAA AirVenture attractions, the Harrier jump jet will appear during the week. (Times to be determined.)

Recent confirmations have been received from:

- **Chandy Clanton, Zivco Edge 540.** A two-time member of the United States Unlimited Aerobatic Team and qualifier for the 2005 Championships in Spain, Clanton has been flying aerobatics for nine years.
- **Liberty Parachute Team** - This group of expert parachutists will open the EAA AirVenture air show for the 21st consecutive year this year.
- **Howard Pardue, Grumman F8F Bearcat**, a longtime performer in vintage Grumman fighters of World War II. Pardue was inducted into the EAA Warbirds of America Hall of Fame in 2004.
- **Kent Pietsch, 1942 Interstate Cadet**, will perform three different acts, including an RV top landing; a comedy routine with extreme maneuvers, like the aileron falling off in mid air; and a dead stick (total power off) aerobatic routine from 6,000 feet.
- **Gene Soucy/Theresa Stokes** - Perennial AirVenture performer Soucy flies his Grumman Showcat through a series of aerobatic maneuvers while Stokes performs her graceful and thrilling wing walking routine.

Other performers already confirmed to appear include Patty Wagstaff, the AeroShell Aerobatic Team, Kirby Chambliss, Julie Clark, Jim Franklin, Mike Goulian, Jim LeRoy, Mike Mancuso, John Mohr, Sean Tucker, and Bobby Younkin (Decathlon). Check back on the AirVenture website for updates as they are confirmed

AEP107 PARTNER PROGRAMS [Return To Contents](#)

EAA Chapter 643: <http://www.eaa643.org>
EAA Chapter 1333: <http://www.friendsofcentraljerseyairport.org>
Fly For Fun, Inc. at Somerset airport <http://members.aol.com/soaratsomerset/index.html>

We Do Glider Rides

You and a certified pilot will be towed aloft in a glider. Your pilot will release from the towline. Remaining near the airport, the pilot will allow you to take the controls for a time if you wish, or just relax and go along for the ride. Continuing lessons are available for those who wish to pursue the sport of soaring.

Fly For Fun, Inc. – Operations <http://groups.yahoo.com/group/somersetsoaring/files/>

- ❖ Jay is developing an Explores working schedule to be listed on the FFF Operations Calendar.
- ❖ Explorers **please complete the SSA, Wing Runners course** and submit your completion information to Ron Caruso. Contact Keith, Mike, & James for more information.

Patriots' Path Council, BSA: <http://www.ppbsa.org>

Raritan Valley District, PPC, BSA: <http://www.ppbsa.org>

Somerset Air Service, Inc.: <http://www.georgewalkerfield.com>

Please come out to support Somerset Air Service's fight to keep Somerset Airport open to rotary-wing aircraft. The Bedminster Board of Adjustment will meet at 7:30pm on March 23 at the Bedminster Twp Municipal Bldg, 1 Miller Lane in Bedminster.

Somerset County 4-H Club: <http://somerset.rce.rutgers.edu>

4-H Science-Sational Day, 4/16/2005, 9:00 AM - 2:00 PM

4-H Center, Bridgewater, NJ

Children, Grades 1 to 6, get to participate in 3 workshops of their choice on different aspects of science and technology. Workshops can include such things as rocketry, chemistry, plants, gems and learning about farm animals. Older children have the opportunity to attend the Buhler Institute.

Costs range from \$20.00 per child to up to \$55.00 per child, depending on activities and whether or not the child wants lunch supplied.

Contact [Lisa Rothenburger](mailto:Lisa.Rothenburger@somerset.rce.rutgers.edu), 908-526-6644 / www.events.rutgers.edu/pdfs/2005-0416-science-sational.pdf

Somerset Signal Senders, Inc.: <http://www.somersetsignalsenders.org>

INTERESTING WEBSITES [Return To Contents](#)

Experimental Soaring Association: <http://esoaring.com>
AMA – Education Through Aviation: <http://www.buildandfly.com/>
AMA – MASportAviator: <http://www.masportaviator.com/>

AEROSPACE NEWS [Return To Contents](#)

AEROSPACE NEWS provides an insight to the aerospace industry for you to use as you identify your Career Goal and start your Career Development. The following information is representative of the aerospace news available to you.

Aerospace: NEWS Sources [Return To Contents](#)

Aviation International News: <http://www.ainonline.com/index.html>

EAA, AirVenture 2005: <http://www.airventure.org>

NJDOT, Division of Aeronautics: <http://www.state.nj.us/transportation/commuter/aviation>

Aerospace: The Future [Return To Contents](#)

VISION 100 (The Law) http://www.amtech-usa.org/jpdo/VISION_100_CITATION.pdf

Joint Planning & Development Office: http://www.jpdo.aero/site_content/index.html

LiftPort Group Inc.: <http://www.liftport.com/index.php>

National Consortium for Aviation Mobility (NCAM) – SATS: <http://ncam-sats.org/>

NASA-Small Aircraft Transportation System (SATS): <http://sats.larc.nasa.gov>

Aerospace: BUSINESS News [Return To Contents](#)

Boeing wins Chinese order for 15 narrowbody jets

Boeing received an order for 15 737-800 aircraft from Chinese regional airline **Xiamen Airlines**, the Wall Street

Journal reports. The sale, worth \$615 million, is a blow to European jetmaker **Airbus**, as both companies continue to compete for market share in China. [The Wall Street Journal](#) (subscription required) (3/7)

Airline executives prepare for \$60-a-barrel oil

Airline executives worry that oil prices could eventually hit \$60 a barrel and are incorporating \$60 oil into their financial assumptions, USA Today reports. **US Airways** and **America West** have cut routes, citing high fuel costs. **Southwest Airlines** is the only airline that has significant hedges in place to protect it from surging fuel prices. [USA TODAY](#) (3/6)

In move to cut costs, airlines outsource maintenance work

More airlines are outsourcing maintenance work on their jetliners to cut costs, CNN reports. Mechanics unions say the practice could make it more difficult for the government to oversee the work. The **Air Transport Association** says outside contractors provide high-quality work that meets safety requirements. [CNN](#) (3/3)

Demand for passenger jets in China set to soar, jetmakers say

Jetmaker **Airbus** believes Chinese air carriers will triple the number of jets in their fleets by 2023, the Wall Street Journal reports. Airbus predicts the world's airlines will demand 17,300 planes worth \$1.9 trillion from 2004 through 2023. U.S. rival **Boeing** sees demand for 25,000 planes worth \$2 trillion. [The Wall Street Journal](#) (subscription required) (3/9)

Airlines offer private jet service to keep elite travelers

Major airlines are partnering with private jet companies in hopes of winning back elite fliers, the Wall Street Journal reports. **Lufthansa** has teamed with private jet company **NetJets** to offer connecting flights, and **Delta Air Lines'** AirElite unit, which offers private jet service, now offers travelers more frequent flier benefits. [The Wall Street Journal](#) (subscription required) (3/10)

Competition for engine market grows between GE, Rolls-Royce

Rolls-Royce and **General Electric** are in a fierce fight to supply engines to airlines, the Wall Street Journal reports. Rolls-Royce is boosting its efforts and last year, for the first time, sold more engines for wide-body jets than GE. Meanwhile, **United Technologies'** **Pratt & Whitney** unit has slowed development of new engines. [The Wall Street Journal](#) (subscription required) (3/11)



Private Industry Can Help NASA Open the Space Frontier

By Rick N. Tumlinson, posted: 11 March 2005, 06:30 am ET

Second in a series of two Commentaries. This article first appeared in Space News and is reproduced with their permission.

There are three initiatives from 2004 that if built upon the right way will rapidly accelerate the human breakout into space.

The first was U.S. President George W. Bush's vision of permanent human presence beyond Earth orbit, which was endorsed by congressional funding and clarified by the Aldridge Commission.

The second was the flight of SpaceShipOne, the first major triumph of the new space movement and its goal of opening space to the people. This was solidified by a multi-million-dollar contract from Virgin Galactic to build a fleet of commercial spaceships.

Finally, the passage of legislation in Congress that begins to create regulatory certainty in the New Space transportation field clears the way for the long-term development of this nascent industry.

LOCKHEED MARTIN ATLAS V VEHICLE LIFTS MASSIVE SATELLITE FOR INMARSAT CAPE CANAVERAL AIR FORCE STATION, FLA., March 11, 2005

An Atlas V launch vehicle carried its largest payload to date into orbit tonight, the Inmarsat 4-F1 satellite that weighs nearly 6 metric tons (5,959 kgs/13,138 pounds). This also marked the third launch of the year for International Launch Services (ILS).

The Lockheed Martin-built (NYSE: LMT) Atlas V vehicle, designated AV-004, lifted off at 4:42 p.m. EST (21:42 GMT). It placed the Inmarsat spacecraft in a supersynchronous transfer orbit 32 minutes later. Satellite controllers have confirmed that the spacecraft is functioning properly.

Griffin's career lifts him to top NASA post

APL head rocketed through many demanding aerospace positions

[HTTP://WWW.BALTIMORESUN.COM/NEWS/NATIONWORLD/BAL-TE.PROFILE12MAR12,1,6251533.STORY?COLL=BAL-NATIONWORLD-HEADLINES&CTRACK=1&CSET=TRUE](http://www.baltimoresun.com/news/nationworld/bal-te.profile12mar12,1,6251533.story?coll=bal-nationworld-headlines&ctrack=1&cset=true)

BY FRANK D. ROYLANCE AND MICHAEL STROH, SUN STAFF, ORIGINALLY PUBLISHED MARCH 12, 2005

If Michael D. Griffin wins Senate confirmation to be NASA's next administrator, the space agency may need to clear a wall in his new office to hold all seven of his academic degrees.

Friends and colleagues describe him as exceptionally bright, ambitious and on a rising career path that, in retrospect, seemed designed to put him on top at NASA.

Since he first joined the Johns Hopkins Applied Physics Laboratory in Laurel in the 1980s, Griffin has rocketed through a series of increasingly demanding aerospace jobs in government, academia and industry - earning five master's degrees (in aerospace science, electrical engineering, applied physics, business administration and civil engineering), a doctorate and his pilot's license along the way.

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Space Tourism Group Picks Florida Launch Site

http://www.space.com/missionlaunches/aera_spacetourism_050309.html

By **Tariq Malik**, Staff Writer, posted: 9 March 2005, 2:00 p.m. ET

http://www.space.com/adastra/adastra_tumlinson-2_05031.html

A private space tourism firm with plans to launch civilians on suborbital joyrides has pinned down its launch pad with a little help from the U.S. Air Force (USAF).

The firm, Temecula, New Mexico's AERA Corp., has signed an agreement with the USAF to use launch complexes at Florida's Cape Canaveral Air Force Base for future passenger space shots.

"It was essential to put [it] in place very early in our process," said Lewis Reynolds, AERA president and chief operating officer, of the launch site during a telephone interview. "And the facilities there are essentially the best available the world."

MALE UAV Prototype Releases Weapon

<http://www.shephard.co.uk/uv.aspx?451bc7b3-018c-4a62-8c6c-faeadb436a22>

Northrop Grumman Corporation has demonstrated the ability to release a weapon from a medium-altitude, long-endurance (MALE) unmanned aerial vehicle (UAV) demonstrator during flight-testing conducted on 24th February over Nellis Air Force Base, Nevada.

(07 March 2005)

NASA unveils requirements for Crew Exploration Vehicle

NASA on Monday unveiled requirements for the Crew Exploration Vehicle, which will replace the aging space shuttle fleet, the Detroit Free Press reports. The CEV will carry four to six people. The notice to contractors expected to bid on the project includes a three-part plan for returning to the moon. **Boeing, Lockheed Martin and Northrop Grumman** are among the companies expected to bid on the contract. [Detroit Free Press](#) (3/8)

Spelunking on Mars: Caves are Hot Spots in Search for Life

By **Tariq Malik**, Staff Writer, posted: 08 March 2005, 06:14 am ET

http://www.space.com/scienceastronomy/scitues_marscaves_050308.html

The hunt for some form of life elsewhere in our universe may spur a veritable fleet of robot orbiters, landers and rovers to study the surface of Mars in the coming years. But they might look in the wrong place.

Instead of probing for signs of alien life on Mars' harsh surface, some researchers have suggested looking inside the planet, where there is mounting evidence of [water ice](#) near the equator and the [potential](#) for underground aquifers that could support basic, microbial organisms.

Company fine-tunes space module plans

Launch set for early 2006 on Russian-Ukrainian rocket

<http://msnbc.msn.com/id/7133144/>

Bigelow Aerospace: <http://www.bigelow aerospace.com>



By **Leonard David**, Senior space writer, Updated: 9:33 p.m. ET
March 8, 2005

Space entrepreneur Robert Bigelow has been making quiet inroads into the development of Earth orbiting inflatable modules. The privately built and financed habitable structures would be available for research, manufacturing and other uses, including lodging for future space tourists.

Bigelow Aerospace of North Las Vegas is eyeing launch early next year of Genesis Pathfinder spacecraft — a shakeout of systems to be used on a full-scale inflatable space structure dubbed the Nautilus, and now referred to as the BA-330.

PICTURE OF THE WEEK (Submitted by: Linda Ricks)



Panoz Auto Development Company: <http://www.panozauto.com>

Jesse James, star of the Discovery Channel's hit show "Monster Garage"—and distant relative of the Wild West outlaw—successfully "flew" his latest project on Friday. Though it's meant to be secret until episodes run in June, **AIN** has learned that James and his crew modified a lightweight Panoz Esperante sports car with wings, tailboom and pusher-mounted aircraft engine. Roger Jarrell of the *Kitty Hawk Free Press* told **AIN** that James's "flight" consisted of a 100-foot crow hop reaching an altitude of about five feet. James, who informed onlookers he had taken at least one flying lesson, chose Currituck County Airport, N.C., after he was denied permission to use First Flight Airport, where the Wright Brothers flew their own project 120 feet. The Esperante's Vref was announced as "at least 88 miles per hour"—about 75 knots. The flying-car episode of *Monster Garage* will be aired in two parts as the season finale in June. (Photo courtesy of *Kitty Hawk Free Press*, and used with permission.)

Continued -

Go fly a ... car? Yep, "Monster Garage" did it



A crowd watches as Jesse James, host of TV's "Monster Garage," flies a modified Panoz Esperante at the Currituck Regional Airport on Friday. The car came two feet off the pavement. DREW C. WILSON
PHOTOS/THE VIRGINIAN-PILOT

By **JEFFREY S. HAMPTON**, The Virginian-Pilot

© February 26, 2005 | Last updated 11:42 PM Feb. 25

<http://home.hamptonroads.com/stories/story.cfm?story=82751&ran=95111>

MAPLE, N.C. — An adoring crowd whooped and hollered as Jesse James, host of the hit television show "Monster Garage," flew Friday — just about as far as the Wright brothers did — in a sports car with wings at the Currituck Regional Airport.

"I don't know how I'm going to top this," James said afterward.

It was a big event for Currituck County. Camera crews from "The Tonight Show with Jay Leno" — which sent Ross "The Intern" Mathews — "60 Minutes" and the Discovery Channel were on hand.

More than 200 people stood along a fence outside the terminal braving a cold wind for hours waiting to see James fly. It was the most publicized of any of the episodes of "Monster Garage," now in its third season, said Carolyn McPartlin, spokeswoman for the Discovery Channel, which airs the show.

The venue was announced on "60 Minutes" this week. Many of the fans heard about it on local news channels Thursday.

James, the "Monster Garage" crew and a team of experts added wings of 15 feet each and a Cessna engine and propeller to a Panoz Esperante sports car, all in five days.

At about 3 p.m. Friday, James drove from the hangar in the winged car, painted similar to the airplane of the Red Baron, the German World War I ace. The words "Monster Garage" were painted across the top of the wings.

James didn't get liftoff on the first pass as he tried to get a feel for the craft and the runway. On the second try, just as he reached 80 mph, the wheels lifted about two feet off the pavement, and the craft soared for about 3 seconds and about 120 feet. The crowd standing next to the runway cheered it as a success.

"It was kind of like going off the jump on my motocross bike," James said later. "It felt really crazy."

The show is tentatively set to air in two parts, on June 6 and June 13, McPartlin said

NJ AEROSPACE EVENTS [Return To Contents](#)

This calendar is a service of New Jersey Aviation Education Council (NJAECE) <http://community.nj.com/cc/njaec>
The information is not guaranteed. It is wise to confirm dates as some events are canceled without notice.
Please send all event information to either of the two addresses listed below. Thank you. Compiled By:

Diana Dade
1430 Maple Ave.
Hillside, NJ 07205
(973) 923-1795

Mary Sullivan
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Warren, NJ 07059
(908) 647-6606 /
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NOTE: This list is edited to fit in our [Flight Log](#) and is not complete.

AVIATION RELATED EVENTS

Updated 03/01/05

DATE	EVENT	CONTACT
MARCH		
16	Trenton, NJ NJ Aviation Education Council Meeting Mercer County Community College	Tom Flieger (732) 671-9327
19	Hammonton, NJ EAA 1376 Pancake Breakfast Hammonton Airport N81 8 AM	(609) 567-2086
19	Pemberton, NJ Commemorative Air Force (Delaware Valley Wing) 9 AM Pemberton Airport (3N7) Restoration projects	(856) 905-6192
APRIL		
2	Lumberton, NJ Hands on Classes for everyone (reservations and fee) Air Victory Museum South Jersey Regional Airport	(609) 267-4488
2	Cape May, NJ EAA 287 & USUA 177 Cubs sponsor a Fly t NAS Wildwood Museum @ Cape May Airport	Fred Boyle (609) 889-9373
2	Lumberton, NJ Aerospace Education Camp NJAEC/Burlington Co. 4-H Flying W Airport	Nancy (609) 265-5765
5	Fairfield, NJ <i>Annual Kathy Jaffe Safety Seminar</i> 7 PM The Prime Hotel , 690 Route 46 East Fairfield, NJ Bruce Landsberg – AOPA Air Safety Foundation Sponsored by the Mid Atlantic Pilots Association	David Simpson MAPA Program Chair (973) 635-9770 www.midatlanticpilots.com
6	Saddle Brook, NJ 16 th <i>Annual Student Pilot Forum</i> 7 PM The Holiday Inn 50 Kenney Place Sponsored by the North Jersey 99s	Joanne Campbell (201) 337-5831 www.nj99.com
16	Hammonton, NJ EAA 1376 Pancake Breakfast Hammonton Airport N81 8 AM	(609) 567-2086
16	Pemberton, NJ Commemorative Air Force (Delaware Valley Wing) 9 AM Pemberton Airport (3N7) Restoration projects	(856) 905-6192
16	Lumberton, NJ Young Eagles Flights Air Victory Museum So. Jersey Regional Airport	(609) 267-4488