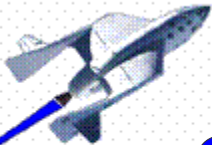


Aviation Exploring Post 107

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Aerospace Education And
Youth Development

Somerset Air Service, Inc.
SMQ



FLIGHT LOG AUGUST 2006

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Aviation Exploring is "Learning for Life" sponsored by:
Somerset Air Service, Inc.

Somerset Airport @ George Walker Field – SMQ

P.O. Box 197, Bedminster, NJ 07921-0197

"A Field of Dreams"

908 722 2444 / info@somersetairport.com / <http://www.somersetairport.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, on a monthly basis. The AEP107 Flight Logs are also posted on our website: www.aep107.org.

Please send all FLIGHT LOG information / updates to: chairman@aep107.org

YOUTH PROTECTION NOTES:

The AEP107 Flight Log does not publish the last names of Aviation Explorers ages 17 and under. The AEP107 Flight Logs are distributed individually via Bcc:

PROGRAM CALENDAR [Return to Contents](#)

SEPTEMBER 2006

THU	7	7:30 PM	Business Meeting <input type="checkbox"/> AEP107 R/C Model Aviation Equipment <input type="checkbox"/> NASA Langley Research Center Trip Signup	Nick	SMQ Office
THU	14	7:30 PM	Aerospace Presentation	Keith	SMQ Office
THU	21	7:30 PM	Aerospace Presentation	Keith	SMQ Office
SAT	23	8:30 AM – ???	Warbirds Over The Top Welcome to our 4th annual Warbirds event Top O' New Jersey R/C Club	Personal Participation	Newton Airport
SUN - MON	24, 25	Refer to Trip Planner	NASA Langley Research Center Career Development Trip	Tom	Hampton, VA
THU	28	7:30 PM	Signature Flight Support, Inc, Marilyn Vela, General Manager Signature Flight Support is the world's largest fixed base operation (FBO) and distribution network for business aviation services.	Tom	SMQ Office

UP & COMING EVENTS: [Return to Contents](#)

10 Year AEP107 Reunion, THU, DEC28, Sky Manor Restaurant, Pittstown, NJ
Invitation: Current Members and their families, Alumni, and all of our FRIENDS

CLASSIFIED [Return To Contents](#)

Somerset Soaring Ventures, Inc. <http://www.somersetsoaring.com>

AEP107 Members – Volunteer Wing Walkers

If you wish to be a Volunteer Wing Walker for FFF, Inc., please contact Jay Hahola at the glider line on **SAT, 12 PM** weather permitting. Jay would like to meet you personally.

ALUMNI, Please keep in contact with AEP107 and let us know how and what you are doing as an example for our future aerospace community members. Pictures would be great!

AEOSPACE PROGRAM ACTIVITIES [Return To Contents](#)



Ian – Soaring In Germany

While in Germany with his Mom and Dad, Ian (16) had a chance to go soaring. Ian is standing behind the glider cockpit, adjusting his parachute.

2006 AirVenture Decompression Picnic, THU, AUG10, 7:30PM at the Somerset Airport Office.

Business Meeting, THU, AUG17, 7:30 PM at the Somerset Airport Office.

ORGANIZATION NOTE:

AEP107 has been serving our members for ten years. We enjoy a great reputation for our focus on delivering an Aerospace Education and Youth Development program focused on the needs of our members and their families. As a result, I have been invited to participate on the Patriots' Path Council, BSA Strategic Planning Sub-Committee "Programs for Older Youth" task force representing Exploring / Learning for Life. - Tom

MEET OUR ALUMNI - Return On Investment [Return To Contents](#)

ALUMNI, Please keep in contact with AEP107 and let us know how and what you are doing as an example for our future aerospace community members. Pictures would be great!



Cindy Teel is in a photo layout in the "Seventeen" magazine, AUG 2006.

[FAA Air Traffic Controller **Workforce** Plan Forecasts 12,000 New ...](#)

Aero-News Network - FL, USA

On Thursday, the Federal **Aviation** Administration (FAA) released an updated Air Traffic Controller **Workforce** Plan designed to address anticipated retirement

Boeing Looks To Shut Down C-17 Line By 2009

Takes First Step Towards Closing Long Beach Plant

It looks to only be a matter of time before aircraft production leaves Southern California for good... as Boeing announced Friday it is taking the first steps towards closing its last facility in Long Beach, which produces the mammoth C-17 Globemaster III military transport plane.

Boeing Rolls Out 747 Large Cargo Freighter



The first Of Three Planes Modified To Carry 787 Parts has been rolled out.

It won't win any beauty contests... but outer appearance isn't where the beauty of Boeing's new 747-400 Large Cargo Freighter lies. Boeing rolled out the first 747-400 LCF this week at Taipei's Chiang Kai-Shek International Airport -- the first of three specially modified jets that will be used to transport major assemblies for the all-new Boeing 787 Dreamliner.

[**Astronomers Uncover Faintest Stars Ever Seen In Ancient Star Cluster**](#) (August 18, 2006) — An international team of astronomers has uncovered the faintest stars ever seen in any globular star cluster, bringing scientists closer to revealing the formation time of one of the earliest generations of stars in the Universe. > [full story](#)

[**NASA Findings Suggest Jets Bursting From Martian Ice Cap**](#) (August 17, 2006) — Every spring brings violent eruptions to the south polar ice cap of Mars, according to researchers interpreting new observations by NASA's Mars Odyssey orbiter. > [full story](#)

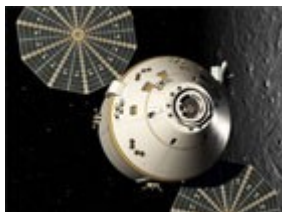
Kaiser Aluminum lands Boeing contract

Kaiser Aluminum has received a new long-term contract to provide sheet and light-gauge aluminum plate to **Boeing**. The contract expands an existing agreement. Terms were not disclosed. [American City Business Journals /Los Angeles](#) (free registration) (8/16)

[**European Moon Probe Finds Calcium On Lunar Surface**](#) (August 19, 2006) — An instrument on the European Space Agency's Moon mission SMART-1 has produced the first detection from orbit of calcium on the lunar surface. By doing this, the instrument has taken a step towards answering the old question: Did the Moon form from part of the Earth? > [full story](#)

AEROSPACE: THE FUTURE [Return To Contents](#)

NASA Chooses Lockheed Martin to build Spacecraft



Mark Matthews, Washington Bureau, Posted August 31, 2006

WASHINGTON -- NASA chose Lockheed Martin on Thursday to build the spacecraft it hopes will return Americans to the moon and take future explorers to Mars.

Under a contract that could total \$8.15 billion, the aerospace giant will develop a capsule-shaped vehicle similar in appearance to the one that took an earlier generation of astronauts to the moon during Apollo. NASA hopes to use the vehicle, named Orion, to get back to the moon by 2020 and then set sail for Mars.

[**Flying On Hydrogen: Researchers Use Fuel Cells To Power Unmanned Aerial Vehicle**](#) (August 30, 2006) — Georgia Institute of Technology researchers have conducted successful test flights of a hydrogen-powered unmanned aircraft believed to be the largest to fly on a proton exchange membrane (PEM) fuel cell using compressed hydrogen. > [full story](#)

FAA Air Traffic Controller Workforce Plan Targets Hiring of Nearly 12,000 New Controllers over Next 10 Years

WASHINGTON – The Federal Aviation Administration (FAA) today released an updated Air Traffic Controller Workforce Plan designed to address anticipated retirement and replacement of air traffic controllers over the coming decade. The revised document outlines the agency's plans to hire more than 11,800 new air traffic controllers over the next 10 years.

Friday, August 25, 2006

Irvin Aerospace Links Into Rocketplane Kistler on NASA Contract

Santa Ana-based Irvine Aerospace is reporting today that it is teaming up with Rocketplane Kistler, one of the recipients of NASA's recent \$500M project to commercialize spaceflight deliveries to the ISS. Irvin Aerospace said it will provide joint development in the area of landing airbag systems. Irvin Aerospace develops parachutes for space and air vehicle recovery. NASA recently announced a major program to commercialize space deliveries to the International Space Station, and tapped El Segundo-based SpaceX and Oklahoma-based Rocketplane Kistler for the program.

posted on Friday, August 25, 2006

TERRAFUGIA – "It is not a flying car. It is a roadable aircraft."

<http://www.terrafugia.com/index.html>



DARPA Approves Groen Brothers' High Speed VTOL Concept

Project Moves To Phase One Of Development

Groen Brothers Aviation, Inc. told Aero-News this week the US Defense Advanced Research Projects Agency (DARPA) has passed GBA's submission for the third Milestone of its contract to design a proof of concept high speed, long range, vertical takeoff and landing (VTOL) aircraft. Phase One is a fifteen month \$6.4 million award to perform trade studies, develop appropriate risk mitigation, perform extensive advanced computer modeling of the entire vehicle, develop the preliminary design for the Heliplane and complete the rotor system design.

US Hopes to Transfer Space Station Resupply to Private Sector

By David McAlary, Washington, 19 August 2006



The U.S. space agency NASA has taken a step to transfer the job of resupplying the International Space Station to the private sector. NASA hopes crews and cargo can fly up on commercial rockets so it can focus on returning astronauts to the moon in the next decade and eventually sending crews to Mars.

NASA has selected two U.S. aerospace companies to participate in the first phase of its new Commercial Orbital Transportation Services program.

International Space Station

The man leading NASA's effort to explore the moon and Mars, Scott Horowitz, says the goal is to have commercial space firms support the International Space Station after it retires the space shuttle fleet in 2010. "If the commercial sector can do it safely, reliably, and more cost effectively, then it's in our best interest to buy that service. Remember, NASA gets .60 percent of the national budget, so anything we can do to more cost effectively buy a service frees critical resources to do exploration and the other things we desire."

Lockheed considers unmanned version of JSF



Lockheed Martin hopes to build an unmanned version of the F-35 Joint Strike Fighter, a move that would make the plane the first full-scale fighter to fly without a pilot. The company says the plane could be manned for some missions and operated remotely for others. The company has not proposed the idea to the Air Force. Air Force officials could not be reached for comment. [The Washington Post](#) (free registration) (8/15)

The Boeing 787 Structures Partners are located around the world.

