

# Aviation Exploring Post 107

Aerospace Education And  
Youth Development



## FLIGHT LOG

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P.O. Pox 1007, Bedminster, NJ 07921

908 722 2444 / [info@somersetairport.com](mailto: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](http://www.aep107.org). Please send all FLIGHT LOG information / updates to: [chairman@aep107.org](mailto: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](#) (activities scheduled to date)

### JUNE 2007

FRI	8	6:30 PM	<b>Dinner / Business Meeting</b> → Officer Elections → 2007 AirVenture - Final Payment → June 14 Presentation	Nick	Sky Manor Airport Restaurant
SAT	9	10 AM to 4 PM	<b>International Young Eagle Day</b>	Doug	Sky Manor Airport
THU	14	7:30 PM	<b>R/C Model Airplane Flights</b>	Keith	SMQ Runway
SUN	17	9:30 AM-5:00 PM	<b>WARBIRDS OVER NORTH BRANCH</b> SOMERSET SIGNAL SENDERS, INC <a href="http://www.somersetsignalsenders.org">http://www.somersetsignalsenders.org</a>	Personal Participation	North Branch Park
THU	21	7:30 PM	<b>TROOP 6, BSA VISIT</b> → Parachute Presentation - Wain Greenhalgh → Fly Model Airplanes (6:45 PM) → Share Our Exploring Program → Review AMB 2007 Workbooks	Tom	SMQ Office
THU	28		<b>Keith Sproul - SKY CHARIOT Hot Air Balloons</b> <a href="http://www.skychariot.com">http://www.skychariot.com</a> <b>AEP107 Recruits Are Invited</b>	Tom	SMQ

### Raritan Valley District, BSA – Space Exploration Merit Badge Event - 2007

SAT, JUL14, 2007, 7:30 AM to 2:00 PM, North Branch Park, Milltown Rd, Bridgewater

### EAA AirVenture Oshkosh, JUL 23 - 29, 2007

*1 Month 1 Week 2 Days to EAA AirVenture Oshkosh 2007!  
July 23 - 29, 2007*

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**CLASSIFIEDS** [Return to Contents](#)

**AEP107 INVITES NEW MEMBERS**

Aviation Exploring Post 107 always welcomes new members! We are coed, ages 14 through 20 and focused on "Aerospace Education and Youth Development". We have a very active aerospace program that networks our members within the aerospace community. For additional information, please contact: Tom Teel, 908 581 6876, [chairman@aep107.org](mailto:chairman@aep107.org), [www.aep107.org](http://www.aep107.org) .

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

AEP107 Members, if you wish to be a Volunteer Wing Walker for FFF, Inc., please contact Jay Hahola at the glider line on **SAT, 11:00 AM** weather permitting. Jay would like to meet you personally.

**AEROSPACE PROGRAM ACTIVITIES** [Return to Contents](#)

**RARITAN VALLEY DISTRICT – AVIATION MERIT BADGE EVENT**

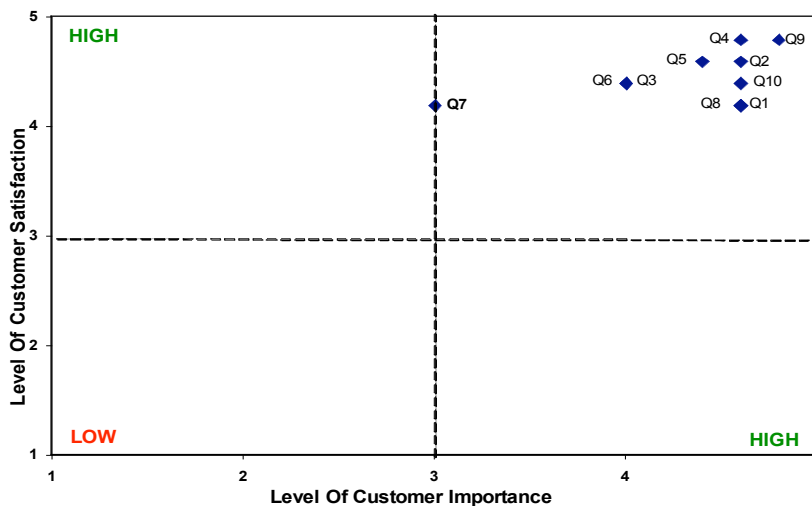
MAY 5, 2007, Sky Manor Airport, Pittstown, NJ

☺ **PARTICIPATING BOY SCOUT TROOPS AND TROOP COORDINATORS**

Boy Scout Troop	No. of Scouts	Troop Coordinators	Boy Scout Council
4	7	Aley Sullivan	Greater New York Council, BSA
6	2	Chris Proulx	Patriots Path Council, BSA
47	3	Rich Hahn	Patriots Path Council, BSA
80	14	Michele Freeland	Patriots Path Council, BSA
84	10	Bill Nolan	Patriots Path Council, BSA
185	3	Bob Phillips	Patriots Path Council, BSA
186	2	Alana Bird	Patriots Path Council, BSA
192	9	Zee Entrabartolo	Central Jersey Council, BSA
309	8	Jeff Pauls	Patriots Path Council, BSA

The Troop Coordinators managed the participation of their Boy Scouts and adult leaders in the RV- 2007 AMB Event. They coordinated the registration, attendance, handled issues and the post

event Scout Workbook Updates. **THANK YOU** folks for a job well done.



☺ **VALUE SURVEY - GRAPH**

This graph indicates both the CUSTOMER SATISFACTION AND IMPORTANCE associated with ten program items. Our results that our customers were highly satisfied happy with the event. Troops 80, 185, 186, 192 & 309 contributed to this survey.

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Survey Question No.
4.6	4.6	4.0	4.6	4.4	4.0	3.0	4.6	4.8	4.6						Level Of Importance
4.2	4.6	4.4	4.8	4.6	4.4	4.2	4.2	4.8	4.4						Level Of Satisfaction

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### ☺ **MARTY KRESS' HANGER**

Marty Kress opens his hanger for our Aviation Merit Badge Event. Marty also has very interesting aircraft on display. The use of Marty's hanger is the reason that we do not have a rain date.

**THANK YOU MARTY!!**



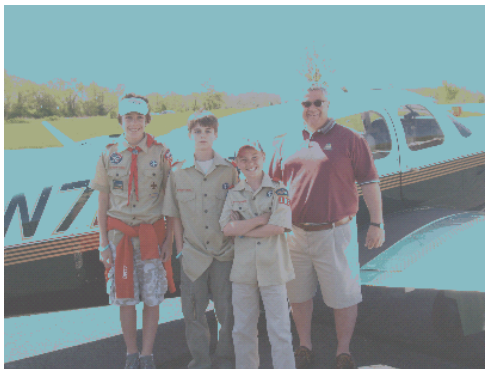
### ☺ **ADULT LEADERS**

Steve Pronko, AEP107

Mary Ann Bubba, EAA Chapter 643

Aley Sullivan, T4, Greater New York Council, BSA

Our AEP107 youth members and adult leaders supported the AMB Event.



### ☺ **EAA YOUNG EAGLE ORIENTATION FLIGHTS (SEPERATE BUT CONCURRENT PROGRAM)**

EAA Chapter 643 ran an EAA Young Eagle Orientation Flight in a separate program not associated with our AMB Event. Scouts who had the appropriate EAA forms were invited to take an orientation flight.

Doug Nelson, EAA Flight Leader managed the Young Eagle flights. **THANK YOU DOUG!!!**

## AEP MEMBER NEWS

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### CONGRATULATION!! IAN



Ian (17) has successfully completed the FAA requirements for his Private Pilot Certificate. After Ian get a few hours logged in, he and I are going for a hamburger. Fly Safe IAN!!

Ian also participated in the AEP107 Ground School that included other AEP107 members who are working their way to a Private Pilots Certificate.

## **AEROSPACE NEWS** [Return to Contents](#)

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### **[Grievance Accuses FAA Of 'Rushing' Eclipse 500 Type-Certification](#)**

Wednesday, May 02, 2007, 11:11:22 AM

NATCA Complaint Comes To Light As VLJ Receives Production Cert For officials at Eclipse Aviation, it probably seemed like an eternity waiting for the FAA to issue a type certificate for the Eclipse 500 very- light-jet. But the union representing the FAA's inspectors and test pilots says the process was rushed, and that its members were not allowed time to do their jobs properly.

### **[Attention Passengers: Your Pilot Is Too Tired To Safely Fly Your Plane](#)**

Monday, April 16, 2007, 8:33:12 AM

BA Flight from New Delhi to London Delayed 12 Hours You wouldn't have wanted to be one of the 225 passengers in New Delhi heading to London who were told Sunday that their British Airways flight was delayed because the pilot was too tired to fly the plane safely.

### **[Engenuity Brings Next Generation Simulation Technology to Lockheed Martin Unit](#)**

Tuesday, December 05, 2006, 6:25:51 AM

Engenuity Technologies (TSX: EGY), a leading provider of solutions for the development of high-end visualisation and simulation applications, today announced that Lockheed Martin Simulation, Training and Support ('Lockheed Martin') have selected Engenuity's AI. implant to bring enhanced realism and intelligence to their modelling, simulation and mission rehearsal tools for military and civilian applications. Originally designed for the games and entertainment industries to rapidly create characters with realistic intelligent behaviours, AI.

### **[Accident-Prone Flight Organizations](#)**

Thursday, May 10, 2007, 3:03:25 PM

In his submission to NASA's Aviation Safety Reporting System, the pilot complained that his employer "has become increasingly confrontational, condescending and oppressive toward the pilot group. . . . This kind of atmosphere is fatiguing, numbing, unhealthy and downright dangerous to work in."

### **[USAF Not Aiming High For Future Bomber Technology](#)**

Monday, May 07, 2007, 1:34:02 AM

As the ground war in Iraq continues, the U.S. Air Force's plan to look beyond counter-insurgencies toward a future bomber may be a hard sell in Washington.

### **[Cargo Fleet Evolves Under Demand of World Trade](#)**

Monday, May 07, 2007, 1:27:52 AM

As trade barriers have broken down across the globe, the modern air cargo industry has evolved. Air carriers serve as the nerve system of globalization moving mail, packages and materiel to every corner of the world.

### **[Helo Business Sees Steady Growth](#)**

Sunday, February 25, 2007, 10:45:41 PM

Parapublic, paramilitary operations, offshore oil exploration and replacement of aging fleets are powerful forces propelling the rotorcraft industry

### **[Leasing company likely to order 50 Boeing 787s at Paris](#)**

Today, June 13, 2007, 9 hours ago

Speculation is rife that Boeing is to score a huge order worth \$10 billion at the Paris air show next week, according to the Seattle Post Intelligencer. Los Angeles-based leasing company, International Lease Finance (ILFC) is expected to place an order for 50 Boeing 787 Dreamliners at the Paris air show an industry source told the newspaper. © Boeing ILFC likely to order up to 50 Boeing 787 Dreamliners ILFC is Airbus's biggest customer, but Steve Udvar-Hazy, its founder

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and chief executive, told the Seattle Post-Intelligencer last week at an industry conference in Vancouver, Canada that he has not

[Video: Video: Commute by flying car](#)

Friday, March 02, 2007, 12:33:12 PM

March 2: An Israeli company is developing prototypes for flying cars designed for populated areas and emergency evacuations. MSNBC.com's Dara Brown reports. (MSNBC.com)

[Boeing downplays 787 production snags](#)

Today, June 13, 2007, 8 hours ago

As it builds the first of its 787 jetliners, Boeing Co. is grappling with production snags ranging from fuselage sections that didn't fit together perfectly on the first try to an industrywide shortage of the fasteners that hold the plane together.

[Boeing changes way planes are made with 787](#)

Monday, May 21, 2007, 9:04:57 PM

When machinists start the final stages of assembling the first 787 Dreamliner, the din of pounding rivet guns won't echo through the factory as it does on production lines for Boeing Co.'s other jets.

[Virgin gets approval to operate U.S. airline](#)

Friday, May 18, 2007, 6:39:16 PM

Startup airline Virgin America won final approval Friday to take to the skies in the United States.

[NASA robot to explore 'bottomless' pit](#)

Tuesday, May 15, 2007, 2:06:09 PM

A robotic yellow submarine will journey this week to the world's deepest sinkhole, which already has taken the life of one diver who sought to reach its bottom and discover the life that might exist there.

[Official: Space tourism can survive a crash](#)

Monday, May 28, 2007, 1:21:50 PM

Space tourism companies can survive the inevitable disaster if they warn passengers of the risks that a privately operated rocket ship could crash, an executive of one of the leading firms said Friday.

[Cassini shows images of liquid filled seas on Titan](#)

Wednesday, March 14, 2007, 5:49:34 AM | Jolly



NASA's Cassini spacecraft has imaged seas that are likely filled with liquid methane or ethane, in the high northern latitudes of Saturn's moon Titan.

The instruments aboard Titan have imaged several dark areas, which are much larger than any other dark area on Titan. The largest area measures 100,000 square kilometers.

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### [F-15B Quiet Spike\(TradeMark\) Aeroservoelastic Flight-Test Data Analysis](#)

Today, June 13, 2007, 6 hours ago

Abstract: System identification is utilized in the aerospace community for development of simulation models for robust control law design. These models are time-invariant processes and assumed to be uniform throughout the flight envelope. Nevertheless, it is well known that the Over the past several decades the controls and biomedical communities have made great advances in for the identification of nonlinear systems....

### [NASA Workforce Hearing Update](#)

Friday, May 18, 2007, 12:31:26 PM | kcowing

### [Subcommittee Focuses on Ensuring the Health and Vitality of NASA's Current and Future Workforce](#), House Science and Technology Committee

"The House Committee on Science and Technology's Subcommittee on Space and Aeronautics today examined a range of National Aeronautics and Space Administration's (NASA) workforce issues identified by the recently released reports of two independent review panels. The Subcommittee's work is aimed at ensuring the health and vitality of the NASA workforce in the 21st century."

### [New NASA Exploration imagery Online](#)

Friday, May 18, 2007, 11:31:00 AM | kcowing

➔**Editor's note:** Several weeks ago NASA posted a number of new artist's depictions of Orion and Ares hardware online. I have been getting emails from readers with these images complete with other website's credit/watermark attached as if the images were exclusive or unreleased. They're not. I suppose I should have posted these links back at the beginning of May. You can find them here: [1](#) [2](#) [3](#) [4](#)

### ['Flying weather stations' could improve forecasts](#)

Friday, May 04, 2007, 7:00:00 PM

The accuracy of weather forecasts is limited by a lack of good data but equipping commercial airliners with weather radar could be a solution

### [US Air Force to build unmanned space planes](#)

Monday, November 20, 2006, 6:18:00 PM

The military agency will take over the X-37 programme once spearheaded by NASA, which had hoped to use it as the basis for the space shuttle's successor

### [Space Trip - Christmas Present of the Year](#)

Friday, December 15, 2006, 5:24:21 AM

December 15, 2030 - There's no doubt what the most popular Christmas present will be this year. Influenced by the launch of the first manned mission to Mars next month, you will most likely get a present with stars, a gift card for a spacetrip.

### [China aims to launch moon probe this year](#)

Sunday, May 20, 2007, 4:05:20 PM

China aims to launch its first lunar orbiter later this year, part of a three-step plan it hopes will eventually see moon samples brought back to Earth, state media said Sunday.

### [INVENTION AWARDS A Chopper Shield](#)

Monday, May 14, 2007, 12:00:00 PM

Firing massive Kevlar and steel nets at inbound rocket-propelled grenades could save helicopters in combat

### [The Next Threat to Astronauts: Moon Dust](#)

Thursday, May 03, 2007, 12:00:00 AM

NASA's plans for colonizing the moon by 2024 have hit a jagged problem-literally. Dust particles discovered by the Apollo crew can make their way into moonwalkers' lungs, and a shortage of test material or faulty processing could put the entire new moon mission in jeopardy

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**[Robotics: Engineers Announce Plastic, Air- And Light-driven Device More Precise Than Human Hand](#)**

Saturday, April 07, 2007, 2:00:00 PM

Engineers report the invention of a motor without metal or electricity that can safely power remote-controlled robotic medical devices used for cancer biopsies and therapies guided by magnetic resonance imaging. The motor that drives the devices can be so precisely controlled by computer that movements are steadier and more precise than a human hand.

**[Light Pulses Can Adjust The Brain's Clock For A Longer Day, Sufficient For Adaptation To The 24.65 Hour Day Found On Mars](#)**

Thursday, May 17, 2007, 8:00:00 AM

Researchers have found that by giving individuals two 45 minute exposures to bright light pulses in the evening they could entrain (synchronize) a persons circadian system to function properly in days longer than the usual 24 hour light/dark cycle. The findings can be applied to the planned year-and-a-half visit to Mars, where the Martian day is 24.65 hours long. Without the ability to reset the internal clock to endure the longer day, an individual would feel as if they were in a perpetual state of jet lag.

**[Anti Gravity: Dumb Cup](#)**

Sunday, May 20, 2007, 1:00:00 AM | Steve Mirsky <editors@sciam.com> Coffee cup full of beans

**[Solar Powered UAV to set the World's Endurance Record](#)**

Wednesday, March 14, 2007, 8:09:53 PM

A team of students from the Technion Israel Institute of Technology, Haifa is working on a new solar powered unmanned aerial vehicle (UAV) which they hope will soon break a 17 year old world aviation record. Although solar aviation is nothing new, it is still considered to be in its infancy. The work done at the Technion as well as elsewhere around the world is starting to attract the attention of the aviation industry with the hope of creating green aircrafts with a much higher endurance threshold.

**[ExoMars Rover on Track for 2013 Launch](#)**

Today, June 13, 2007, 2 hours ago | Fraser Cain

The ExoMars rover with its astrobiology payload Illustration: ESA

[Click to enlarge](#) There are only two rovers operating on the surface of Mars right now, but over the next few years, the Red Planet is going to be crawling with robots from Earth. From NASA, we'll see the Mars Phoenix Lander, and the Mars Science Laboratory, but one of the most interesting missions occurs in 2013 with the European ExoMars mission. This week, its funding agencies renewed their commitment to the mission, and amazingly, encouraged designers to think even bigger

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**BOEING AIRCRAFT COMPANY**

