

Aviation Exploring Post 107 **FLIGHT LOG**

Aerospace Career And Personal Development



Somerset Air Service, Inc. SMQ

Dated: March 28, 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?

WED	23	7:30 PM	Please come out to support Somerset Air Service's fight to keep Somerset Airport open to rotary-wing aircraft. The Bedminster Board of Adjustment	Tom Teel	Bedminster Twp Municipal Bldg 1 Miller Lane Bedminster, NJ
THU	24	7:00 PM	NorthStar Presentation & Tour: 7:30 PM	Brian Mensing	SMQ
By all accounts the NorthStar Presentation & Visit was very good and everyone really enjoyed the event. More information and pictures for this event will be in our next Flight Log.					
THANK YOU NORTHSTAR!!!!					
FRI	25		GOOD FRIDAY		
SUN	27		EASTER		

Please welcome the Raritan Valley District, BSA

- ❖ **Aviation Merit Badge Counselors**
- ❖ **Space Exploring Merit Badge Counselors**

to our AEP107 Flight Log mailing list.. These Merit Badge Counselors are the aviation and space subject matter experts for the Boy Scout Merit Badge program. AEP107 extends an invitation to the Aviation and Space Explorer Merit Badge Counselors to all of our program activities that they wish to participate in.

HEADS UP: Cigar Box Soaring Contest – Test Flight, WED, MAR30, 7:00PM, 4H Facility.

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

MARCH 2005

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 Cameron MacMillian	4-H Facility 310 Milltown Rd Bridgewater, NJ
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APRIL 2005

SAT	2	1PM	"Gentle Lady" Construction	Rich Negran	Big Al's Home
THU	7	7:00 PM	Business Meeting: 7:30 PM ❖ "Gentle Lady" Construction Report ❖ "Wing Walker" course completion report ❖ AMA Membership ❖ R/C Aircraft Fleet Equipment	James Alaggio	SMQ
SAT	9	1PM	"Gentle Lady" Construction	Rich Negran	Big Al's Home
TUE	12	7:00 PM	Hawk Valley Soaring Club ❖ AEP107 Members are invited. Please join the HVSC this evening.	Keith Pronko Ian Ricks	Location?
THU	14	7:00 PM	Career Development: 7:30 PM	Tom Teel	SMQ
SAT	16	1PM	"Gentle Lady" Construction	Rich Negran	Big Al's Home
THU	21	7:00 PM	Aerospace Presentation: 7:30 PM ❖	Ian Ricks	SMQ
SAT	23	9:00 AM	Cigar Box Soaring Contest Hosted by: 4H Broken Props Club & AEP107 This contest is open to the NJ Aerospace Community. Please, build a glider that fits into our cigar box and enjoy the day.	James Alaggio Cameron MacMillian	4-H Facility 310 Milltown Rd Bridgewater, NJ
THU	28		Social Activity ❖	Ian Ricks	
SAT	30	1PM	"Gentle Lady" Construction	Rich Negran	Big Al's Home

You can make a difference today. <http://www.thespoke.net/ycmd/info.aspx>

From now until April 30, 2005, "theSpoke" is sponsoring **You Can Make a Difference**, a scholarship contest for high school students who want make an impact with technology. We're accepting proposals for software projects that will benefit a charity.

All students that submit proposals will receive a free copy of Microsoft Visual Studio .NET Academic Edition. But that's not all. 10 students (5 females, 5 males) will be chosen to make their project idea a reality. Each of the 10 selected finalists will receive a \$5,000 (USD) grant to be divided up as follows:

- ❖ \$1,500 – Budget to implement the charitable project
- ❖ \$2,500 – Student scholarship
- ❖ \$1,000 – Technology grant to the school the student attends

The 10 finalists will also receive a mentor from Microsoft to help them turn their project idea into a working software solution for the charity. **The submission window is from March 1 – April 30, 2005.** The contest is available to students worldwide, and they can submit their entries in 15 different languages. Additional information and an online application is available at <http://www.thespoke.net/ycmd/info.aspx>. Questions can be sent to mjobbe@microsoft.com

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.

- ❖ AEP107 has 10 rooms reserved at the University of Wisconsin, Oshkosh
- ❖ 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 \$100.00 deposit is required by our THU, MAY5 Business Meeting to reserve your spot.**

		Leave	A. & E. Macdonald Scholarship Recipient to AirAcademy	Arrive	
			Newark to <airport>		

SUN	24	Leave AM	Newark to <airport>	Arrive	
			AirVenture 2005, July 25 - 30, 2005		
SAT	30	Leave PM	<airport> to NEWARK	Arrive	

AEP107 PARTNER PROGRAMS [Return To Contents](#)

EAA Chapter 643: <http://www.eaa643.org>

EAA Chapter 1333: <http://www.friendsofcentraljerseyairport.org>

Fly out to Lancaster, Sat. March 26, Depart 47N @ 10AM. Lunch and visit to Pilot Shop @ (LNS)
There is a sign up sheet posted in the Millstone Flight School for a for those interested,

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 Explorers 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.

Hawk Valley Soaring Club:

APRIL MEETING, 7:00pm, Tuesday, April 12th, Location to be determined

This is a very important meeting for HVS. The "core" group always shows, but folks we can't do it alone. We need YOUR help in making this a successful season. So, pencil in the 12th and show up to help support SMQ.

- ❖ Our SSA rep will be joining us.
- ❖ Bill has invited the club from Kupper to join us as well.
- ❖ AEP107 Member turnout is **GREATLY ENCOURAGED**. Part of what sets HVS aside from other clubs is our Youth. Please come to the meeting!

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>

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

4-H Science-Sational Day

April 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@rutgers.edu), 908-526-6644 / www.events.rutgers.edu/pdfs/2005-0416-science-sational.pdf

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

AEROSPACE NEWS [Return To Contents](#)

AEROSPACE NEWS provides an insight to the aerospace industry for your 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>

Space Elevator 2010: <http://www.elevator2010.org>

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

Aircraft subsidy talks between U.S., EU collapse

Talks between the U.S. and EU about aircraft subsidies broke down on Friday, and the U.S. said it may reinstate a complaint with the World Trade Organization. The U.S. believes European jetmaker **Airbus** receives unfair subsidies from European governments. The Europeans counter that **Boeing** receives subsidies in the form of defense contracts with the U.S. government. [Seattle Post-Intelligencer](#) (3/19), [The Seattle Times](#) (free registration) (3/19)

Southwest to support lifting mandatory retirement age for pilots

Southwest Airlines said it will support efforts to lift the mandatory retirement age for commercial airline pilots, *Time* magazine reports. The discount airline will file a brief with the U.S. Supreme Court arguing that pilots should not be forced to retire at age 60. [TIME](#) (3/19), [USA TODAY/Associated Press](#) (3/19)

LOCKHEED MARTIN'S FIRST ATLAS V ROCKET STACKED VERTICALLY ON NEW WEST COAST LAUNCH PAD, VANDENBERG AIR FORCE BASE, CALIF., March 21, 2005

Lockheed Martin's (NYSE:LMT) first West Coast Atlas V rocket has successfully completed "booster on stand" (BOS) operations with the flight vehicle that will launch a national security payload next year. The successful BOS operation involved vertically stacking the rocket's booster stage, Centaur upper stage, and connecting segments at the newly refurbished Space Launch Complex 3 East.

Maiden Flight of the High-Cabin NH90 for the Swedish Armed Forces

Marignane, March 21, 2005 - Eurocopter is pleased to announce that the first production NH90 helicopter in the high cabin version for the Swedish Armed Forces has performed its maiden flight at Eurocopter's plant in Marignane, France, on March 18.

The maiden flight lasted 55 minutes and was performed by a Eurocopter flight test crew consisting of Philippe Boutry (pilot), Denis Trivier (flight engineer), and Jean-Claude Rabany (flight technician). At the end of the flight, the crew declared that it was completely satisfied with the behavior of the aircraft.



Charleston Airport clears path for Boeing fuselage plant

Fuselages for Boeing's new 787 Dreamliner will be produced in Charleston, S.C. The Charleston Aviation Authority recently approved plans to shift a rental car facility to another area to make way for the plant site.

Vought Aircraft Industries and **Global Aeronautica** will produce the fuselage structures. [The Miami Herald/Associated Press](#) (free registration) (3/18)

Detroit Metro Airport lowers landing fees for airlines

Rising passenger traffic prompted Detroit Metro Airport to lower landing fees for airlines, the *Detroit Free Press* reports. Concession revenue has climbed because more people are passing through the airport, officials said. The fee was lowered from \$3.39 to \$2.95 for every 1,000 pounds of aircraft. The change should save airlines \$5.8 million. [Detroit Free Press](#) (3/25)

NASA struggles to keep skilled workers on shuttle program

NASA continues to struggle to keep and recruit trained workers for its space shuttle program as the program approaches its final years, according to a report by the Government Accountability Office. NASA plans to retire the shuttles in 2010. The report also said officials within the space shuttle program are unsure how to convince

workers that they have job security. NASA administrator Fred Gregory said NASA is "laying the foundation needed to address a comprehensive transition approach." [Florida Today \(Melbourne\)](#)

US Airways mechanics layoffs hit home

By [Michael Yeomans](#), **TRIBUNE-REVIEW**, *Saturday, March 26, 2005*

Larry Hanlon's last day as a U.S. Airways mechanic is Easter.

For about 400 of Hanlon's colleagues, their last day was Thursday as the bankrupt airline continues to reduce its Pittsburgh-area work force.

When the cuts are completed, there will be about 600 mechanics in Pittsburgh and about 200 related workers, said Frank Schifano, president of Local 1976 of the International Association of Machinists & Aerospace Workers. At this time last year, there were about 1,900, including ramp workers and utility staff, which clean the planes between trips.

US Airways began laying-off 800 aircraft mechanics and related maintenance workers on March 1 because it is closing two hangars and ending local heavy maintenance on Boeing 737 jets

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

SPACE ELEVATOR

The National Aeronautics and Space Administration (NASA) and the [Spaceward Foundation](#), a non-profit group working to open up space access to the public, have teamed up to sponsor a round of competitions geared toward the development of new space technologies, specifically technologies related to the idea of a "space elevator." The Centennial Challenges are intended to inspire individuals, university students, and private industries to develop technologies that will make future space exploration easier and more profitable.

The first challenges are the Tether Strength competition and the Beam Power Competition. Teams competing in the [Tether Strength Competition](#) will work to create a ribbon of carbon nanotubes that can withstand the highest tension level before breaking. The competition will be repeated each year, with the first-place prize being awarded as long as the winning entry surpasses the prior year's winner by 50%.

In the [Beam Power \(a.k.a. Climber\) Competition](#), which focuses on "wireless" power technologies for a wide range of exploration purposes, teams will create a climbing robot that runs on photo-voltaic energy (approximately 500 watts) and that can climb a 60-foot tether at the fastest speed (expected to be about one meter per second) with the heaviest payload.

Each team will retain the rights to its invention, allowing the competition to spur commercial development of the technologies used. The awards for the competitions will be US\$50,000, \$20,000, and \$10,000 prizes this year, but NASA will increase those to \$100,000, \$40,000, and \$10,000 for 2006, since the competitions next year will be stiffer.

This year's competition will take place in August in the San Francisco area, and quite a few entries are expected for each challenge. NASA will also reveal three more challenges later this year.

See [NASA's press release](#) and the Spaceward Foundation's [Elevator 2010 website](#) for more info.

Congress Quizzes NASA On Cuts in Aeronautics Spending

http://www.space.com/spacenews/businessmonday_050321.html

By [Brian Berger](#), **Space News Staff Writer**

The chairman of a congressional subcommittee examining NASA's aeronautics spending plan is asking whether deliberate national strategy rather than budget pressure should guide the federal government's declining investment in civil aviation research and development.

New Air Force Predator will perform "hunter-killer" missions

The latest version of the Air Force Predator drone will perform "hunter-killer" missions and be armed with up to 3,000 pounds of precision guided bombs or missiles, the Washington Post reports. An earlier version of the Predator primarily supplied intelligence and performed surveillance. [The Washington Post](#) (free registration) (3/22)

Seashells may find future use as military aircraft composites

A mechanical and aerospace engineer at the University of California, San Diego, is using seashells to build extraordinarily hard synthetic materials, the New York Times reports. Kenneth Vecchio is getting calls from aerospace companies interested in his work. The material could interest military aircraft manufacturers because it does not reflect radar. Other teams, including a group of University of Michigan scientists, are performing similar work. [The New York Times](#)

PICTURE OF THE WEEK: [Return To Contents](#)

(Submitted By Linda Ricks, Advisor, AEP107)

Flight #2 of this model (about 10 minutes) can be downloaded at http://www.mcgirt.net/RC/VIDEOS/Giant_B52/B52_flight2.wmv. This video is in PAL



Two days later this aircraft crashed. The video of the last flight can be downloaded at:
<http://www.teambanana.co.uk/b52crash2.wmv>
<http://homepage.ntlworld.com/robert.ashley/teambananaracing/gallery.htm>



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
 103 Mountain View Road
 Warren, NJ 07059
 (908) 647-6606 /
 Aeroy@optonline.net

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
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 <i>16th 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
23 24	Cross Keys, NJ EAA Ch 216 Pancake Breakfast Fly In & Young Eagle Flights	wrcheese@juno.com
27	Somerset, NJ Adult Education Career Program (NJAECE) Franklin Twp Public School Room 305	Doris Stevens (732) 873-1227
28	Fairfield, NJ <i>Carol Ann Garratt – Solo Trip Around the World in a Mooney</i> C & W Hangar at Caldwell Airport Gourmet dinner @ 5:30; Program @ 7 PM Sponsored by Morristown Pilots Association	Len Levy (973) 299-9148
30	Lumberton, NJ Aerospace Ed Camp NJAEC && Burlington Co. 4 – H Flying W Airport	Nancy (609) 265-5765