

**AEP107 & Membership Activity**  
**Completed Activities**  
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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](mailto: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](http://www.aep107.com) / Member Hanger / Document.  
 Welcome to our journey!  
 Please send all FLIGHT LOG information to: [chairman@aep107.com](mailto: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	17	7:00 PM	Aerospace Presentation: 7:30 PM <b>Mr. Jack McNamara, Esq.</b> , Aviation Law	Ian Ricks	SMQ
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Thank you Mr. Jack McNamara, Esq. for your Aerospace LAW Presentation and the outline of your aerospace career path. It was interesting to learn that a result of his pilot training, positions within advertising, banking and LAW opened to him.

We also learned that the aerospace industry accounts for about 10% of the Gross National Product (GNP). Our discussion included, space law issues, starting your own airline, colleges with Aerospace Law minors Perhaps a mention of the wide array of careers in the aviation/aerospace industries that are available beyond the cockpit.



**From Left:**  
**Nick**  
 VP, Administration  
**Cameron**  
 Future Supreme Court Judge  
**Mr. Jack McNamara, Esq.**  
 Aviation Lawyer  
**Ian**  
 VP, Aerospace Program  
**Nathan**  
 Treasurer

SAT	19	1 PM	<b>Gentle Lady Construction</b> 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.	Rich Negran	Big Al's Home
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## UP & COMING ACTIVITIES [Return To Contents](#)

### MARCH 2005

WED	23	7:30 PM	<b>Please come out to support Somerset Air Service's</b> 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	<b>NorthStar</b> Presentation & Tour: 7:30 PM	Brian Mensing	SMQ
WED	30	7:00	<b>Cigar Box Soaring Contest – Test Flight</b> 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

### APRIL 2005

THU	7	7:00 PM	<b>Business Meeting:</b> 7:30 PM ❖ Gentle Lady Construction Report ❖ “Wing Walker” course completion report ❖ AMA Membership ❖ R/C Aircraft Fleet Equipment	James Alaggio	SMQ
THU	14	7:00 PM	<b>Career Development:</b> 7:30 PM	Tom Teel	SMQ
THU	21	7:00 PM	<b>Aerospace Presentation:</b> 7:30 PM ❖	Ian Ricks	SMQ
SAT	23	9:00 AM	<b>Cigar Box Soaring Contest</b> 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		<b>Social Activity</b> ❖	Ian Ricks	

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



Ever-popular Harrier Jet Returns to EAA AirVenture  
The U.S. Marine Corps AV-8B “Harrier II” jump jet, the unique fighter aircraft that features vertical takeoff ability, will return to Oshkosh to appear at EAA AirVenture 2005.  
([read more](#))

## AEP107 PARTNER PROGRAMS [Return To Contents](#)

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**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 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.

**Hawk Valley Soaring Club:**

**APRIL MEETING**, 7:00pm, Tuesday, April 12<sup>th</sup>, 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>

**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**

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

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

## INTERESTING WEBSITES [Return To Contents](#)

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**American Bar Association, Aviation and Aerospace Law Committee:**

<http://www.abanet.org/intlaw/divisions/public/aviation.html>

**International Civil Aviation Organization (ICAO):** <http://www.icao.org>

**McGill University – Institute of Air & Space Law:** <http://www.iasl.mcgill.ca/index2.htm>

**University of Denver, Sturm College of Law:** <http://www.law.du.edu>

**FAA Office of the General Counsel (AGC):** <http://www.faa.gov/agc/>

**NASA Office of the General Counsel**

[Dryden Flight Research Center, Office of the Chief Counsel](#)

[Langley Research Center, Office of the Chief Counsel](#)

[Johnson Space Center, Office of the Chief Counsel](#)

**University of North Dakota – Aerospace:** <http://www.aero.und.edu/aviation>

## 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](http://www.amtech-usa.org/jpdo/VISION_100_CITATION.pdf)

Joint Planning & Development Office: [http://www.jpdo.aero/site\\_content/index.html](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](#)



FAA Forecasts Passenger Levels to Top One Billion in the Next Decade  
***Passenger Volume Back to Pre- 2001 Levels***

Press Release

Contact: Henry J. Price

Phone: 202-267-3883

APA 12-05

Date Posted: March 17, 2005

WASHINGTON, DC - The number of people flying in the United States will return to pre-2001 levels this year, with an average annual growth rate of 3.4 percent expected over the next 12 years, according to the annual 12-year aviation forecast report released today by the U.S. Department of Transportation's Federal Aviation Administration (FAA).

According to FAA *Aerospace Forecasts Fiscal Years 2005-2016*, last year 688.5 million flew on U.S. commercial air carriers. By 2015, the number of passengers is expected to top one billion.

"Deregulation has delivered a dynamic industry where consumers are driving change. Airline customers have more options, at lower fares, based on more timely information, than ever before - and our economy is better off as a result," said U.S. Secretary of Transportation Norman Y. Mineta.

#### **President nominates advocate of human spaceflight to lead NASA**

President Bush nominated Dr. Michael D. Griffin, the head of Johns Hopkins University's Applied Physics Laboratory, to lead the National Aeronautics and Space Administration. Griffin, a physicist and engineer, is also a proponent of human spaceflight and would take NASA's top post as it prepares to launch the first space shuttle flight since the Columbia disaster two years ago. [The New York Times](#) (free registration) (3/12), [Houston Chronicle](#) (3/12)

#### **Market for used jets soars, cost of leasing rises**

Leasing companies are charging more for used jets as demand for the planes soars, writes the Wall Street Journal's Scott McCartney. Airlines in China, India and Brazil plan to lease planes once used by U.S. airlines. Ticket prices could increase as the cost of buying or leasing planes rises. [The Wall Street Journal](#) (subscription required) (3/15)

#### **Airbus coy about A380's appearance at Paris Air Show**

**Airbus** said it has not decided if it will exhibit its A380 superjumbo jet at the Paris Air Show in June, the Seattle Post-Intelligencer reports. However, a source at **Boeing** said Airbus has reserved space for the giant plane. Boeing will display its 777-200LR, the jetliner with the longest range in history. [Seattle Post-Intelligencer](#) (3/16)

#### **Upcoming controller, pilot retirements may leave dearth of experienced workers**

The upcoming retirements of thousands of experienced pilots and air traffic controllers could result in extensive airport delays, the Sun-Sentinel reports. By 2015, 73% of air traffic controllers will be able to retire. A union representing the workers said the Federal Aviation Administration's plans to replace the workers will be implemented too slowly; the agency said it plans to accelerate hiring. [Sun-Sentinel \(Fort Lauderdale, Fla.\)](#) (3/14)

### Lawmakers propose lifting retirement age for airline pilots:

Some lawmakers have proposed raising mandatory retirement age for airline pilots to the Social Security retirement age, Forbes reported. Currently, airline pilots must retire at age 60. The Air Line Pilots Association has historically supported the current retirement age, but pilots at some carriers say it should be abolished. [Forbes](#) (free registration) (3/16)



### Adam Aircraft to add site in Utah

<http://www.denverpost.com/Stories/0,1413,36~33~2766581,00.html>

By [Kelly Yamanouchi](#), Denver Post Staff Writer

Centennial-based Adam Aircraft, whose CEO, Rick Adam, is at left, has chosen Utah for a new facility.

Centennial-based Adam Aircraft has chosen Utah for a new manufacturing facility.

The company said Wednesday it will manufacture and assemble business aircraft near Ogden-Hinckley Airport, creating several hundred jobs there.

Utah offered skilled aircraft mechanics from an Air Force base maintenance depot and up to 30 percent rebates of income, employee and sales taxes. That package could be worth \$10 million, based on estimates calculated last year.

Adam Aircraft is still growing in Colorado, but the state was dropped from consideration for this latest facility in 2004.

### Brazil's Embraer to launch roomy regional jet that seats 100

Brazilian jetmaker **Embraer** is building a roomy 100-seat regional jet that feels like a larger jetliner, the New York Times reports. **JetBlue** has 100 of the planes on order and will become the first airline to fly them. The new planes will allow JetBlue to bring affordable travel to small cities. Embraer said airlines could demand 5,800 of the jets during the next 20 years. [The New York Times](#) (free registration) (3/18)

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

### Army wants helicopters to land safely in harsh conditions

The Army wants to equip its helicopters with technology that will allow pilots to land safely in brownout conditions, such as sand and snow storms, Jane's Defense Weekly reports. Brownouts have caused 33 of the 176 major helicopter crashes in Iraq. The Army has already funded technology made by **Honeywell** and **Rockwell Collins** that allows pilots to see their positions relative to the ground. [Jane's Information Group](#) (subscription required) (3/11)

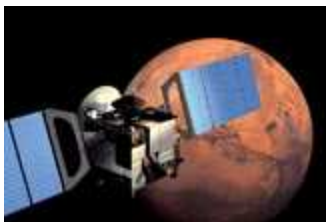
### GAO calls Lockheed's JSF program "unexecutable," cites high costs

Citing increasing costs, the Government Accountability Office on Tuesday said **Lockheed Martin's** F-35 Joint Strike Fighter program is "unexecutable," the Washington Post reports. It will now cost \$10 billion more than originally expected to develop the plane. Most of the additional cost is related to efforts to lower the plane's weight and to add devices to keep the technology secure. A Lockheed spokesman said a lot of progress on the program has been made since last year and "the F-35 has resolved its weight problem." [The Washington Post](#) (free registration) (3/16)

### Pentagon hopes to build spacecraft that can quickly deliver weapons

The Department of Defense wants to build a spacecraft that could deliver weapons from the U.S. to anywhere in the world within two hours, the Washington Post reports. The Pentagon hopes to develop a suborbital space capsule, dubbed the Common Aero Vehicle, within five years and will test a launcher for the program this year.

[The Washington Post](#) (free registration) (3/16)



### Scientists Struggle to Digest Surprises from Europe's Mars Craft

[http://www.space.com/scienceastronomy/050316\\_mars\\_express.html](http://www.space.com/scienceastronomy/050316_mars_express.html)

By [Leonard David](#), Senior Space Writer, posted: 16 March 2005, m07:01 am ET

LEAGUE CITY, TEXAS – Europe's Mars Express spacecraft is casting new light on the past and present status of the red planet, wowing scientists with an impressive set of distinctive observations and in some quarters promoting a tinge of jealousy.

Europe's first and on-going mission to Mars has spotted signs of very recent volcanic activity along with the vestiges of glaciers and gigantic waterfalls. Given these and other findings from the Mars orbiting spacecraft, it is not unreasonable to suggest that life on Mars not only emerged but could have survived to the present in underground niches.

### President's plan for NASA could result in job cuts, aeronautics seen as target

The president's plan to return humans to the moon and then send them to Mars could result in job cuts and plant closures, the Washington Post reports. Michael Romanowski, **Aerospace Industries Association** vice president of civil aviation, said aeronautics programs are vulnerable to cuts because the new programs will focus on breakthrough technologies. The aeronautics division studies experimental aircraft design, among other things.

[The Washington Post](#) (free registration) (3/16)

### First SMA-Powered Twin Flies

A Vulcaire prototype P68 I-DJET successfully completed its maiden flight on February 24, powered by two SMA SR305-230 diesel engines. It was the first twin application for the new engine, whose features include reduced fuel consumption and high performance using Jet A fuel. Adverse weather kept the aircraft down around 4,000 feet near the Vulcanair headquarters and production facility in Napoli, Italy. Vulcaire is impressed by the aircraft handling, performance, and especially the shorter take-off distance. The P68 is the sixth aircraft type-equipped and flying with the SMA SR305-230 engine. To learn more, visit [www.smaengines.com](http://www.smaengines.com).

### PICTURE OF THE WEEK: John Travolta's home in Florida



This calendar is a service of New Jersey Aviation Education Council (NJAE)C <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:

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

Mary Sullivan  
 103 Mountain View Road  
 Warren, NJ 07059  
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 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
<b>APRIL</b>		
2	<b>Lumberton, NJ</b> Hands on Classes for everyone (reservations and fee) Air Victory Museum South Jersey Regional Airport	(609) 267-4488
2	<b>Cape May, NJ</b> EAA 287 & USUA 177 Cubs sponsor a Fly t NAS Wildwood Museum @ Cape May Airport	Fred Boyle (609) 889-9373
2	<b>Lumberton, NJ</b> Aerospace Education Camp NJAEC/Burlington Co. 4-H Flying W Airport	Nancy (609) 265-5765
5	<b>Fairfield, NJ</b> <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 <a href="http://www.midatlanticpilots.com">www.midatlanticpilots.com</a>
6	<b>Saddle Brook, NJ</b> <i>16<sup>th</sup> Annual Student Pilot Forum</i> 7 PM The Holiday Inn 50 Kenney Place Sponsored by the North Jersey 99s	Joanne Campbell (201) 337-5831 <a href="http://www.nj99.com">www.nj99.com</a>
16	<b>Hammonton, NJ</b> EAA 1376 Pancake Breakfast Hammonton Airport N81 8 AM	(609) 567-2086
16	<b>Pemberton, NJ</b> Commemorative Air Force (Delaware Valley Wing) 9 AM Pemberton Airport (3N7) Restoration projects	(856) 905-6192
16	<b>Lumberton, NJ</b> Young Eagles Flights Air Victory Museum So. Jersey Regional Airport	(609) 267-4488
23 24	<b>Cross Keys, NJ</b> EAA Ch 216 Pancake Breakfast Fly In & Young Eagle Flights	<a href="mailto:wrcheese@juno.com">wrcheese@juno.com</a>
27	<b>Somerset, NJ</b> Adult Education Career Program (NJAE)C Franklin Twp Public School Room 305	Doris Stevens (732) 873-1227
28	<b>Fairfield, NJ</b> <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	<b>Lumberton, NJ</b> Aerospace Ed Camp NJAEC && Burlington Co. 4 – H Flying W Airport	Nancy (609) 265-5765