

Aviation Exploring Post 107

Personal and Aerospace
Career Development

Somerset Air Service, Inc.
SMQ



FLIGHT LOG JANUARY 2009

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Aviation Exploring is “Learning for Life sponsored by:
Somerset Air Service, Inc.
Somerset Airport @ George Walker Field
“A Field of Dreams”

P.O. Pox 1007, Bedminster, NJ 07921
908 722 2444 / info@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: ftfeel@optonline.net.

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:

UP AND COMING EVENTS [Return to Contents](#)

EAA CHAPTER CALANDER OF EVENTS = in a 250 mile radius from SMQ

[http://www.eaa.org/calendar/eventlist.aspx?SearchState=&SearchCountry=&Zip_Code=&Miles=250&MilesType=M&AirportID=smq&Event](http://www.eaa.org/calendar/eventlist.aspx?SearchState=&SearchCountry=&Zip_Code=&Miles=250&MilesType=M&AirportID=smq&EventType=&EventTitle=&StartDate=&EndDate=)

Agenda for 2009 EAA Chapter 643

AEP107 MEMBER NOTE: EAA643 is one of our aerospace partners. Please feel free to participate in their agenda.

MON, Feb 16th	Aviation Art	Keith Ferris www.keithferrisart.com	N40 Restaurant
MON, Mar 16th	RV to Alaska	Brain Strizki	N40 Restaurant
MON, Apr 20th	Corvair engine in Zenith 601 XL	Phil Maxion & Dave H	N40 Restaurant
MON, May 18th	Shop preparation for RV project	Adam Silverstein	Adam's Bsmt
Open date	GPS basics navigation	Don Kugler	Adam's Bsmt
Open date	Fabric coving & painting	Joe Preston	open
Open date	Flying Washington DC ADIZ & FRZ (SFRA)	C. Johnston	N40 Restaurant
SAT, Jun 6th or SUN, JUN 7	Chapter 643 Fly-In	All Members	N40
MON, Jun 15th	Around The World Flight	CarolAnn Garratt Carol Fey www.alsworldflight.com	N40 Restaurant

There will be door prizes at some of the meetings. You don't want to miss out on these opportunities to expand your tool box.

Bahamas Habitat Announces March Fly-In
Thursday, March 5 through Sunday, March 8, 2009

<http://www.aero-news.net/index.cfm?contentBlockId=972ed3c1-0f9e-4fc4-8de9-6806d12b4e6f> , Tue, 27 Jan '09

Bahamas Habitat announced this week the upcoming Fly-In & Help Out weekend to Eleuthera in the Bahamas is scheduled for Thursday, March 5 through Sunday, March 8, 2009 and the organization is extending an open invitation to all interested pilots to join in this exciting mission.

AEP107 NOTE: If possible take a young person with you.



CLASSIFIEDS [Return to Contents](#)

AEP107 INVITES NEW MEMBERS TO JOIN, www.aep107.org, Aviation Exploring Post 107 always welcomes new members! We are coed, ages 14 through 20 and focused on “Personal and Aerospace Career 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, tfeel@optonline.net

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.

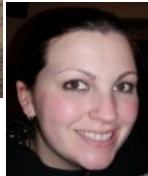
AEP107 MEMBER AND ALUMNI NEWS [Return to Contents](#)

AEP107 ALUMNI, please keep in touch with AEP107. We would love to know how you are and share some of what you are currently doing with our newer members.

Tom Teel / tfeel@optonline.net



Art Burton, friend of AEP107 and Ian & Justin Ricks' granddad, is at home recovering from a car accident. He fulfilled the old adage that the most dangerous part of flying is the drive to/from the airport after he flew his Twin Comanche to Tampa mid-December and had a car accident the next day. He's turned in his wheelchair for a cane and anxiously awaits trips out to the airport with family and friends.



that he was handled the

by the ALS units we encounter nevermind a medic who is used to dealing with paid personnel who do this for a living. I was proud to say that I was captain of our squad tonight! So GREAT JOB Cindy, Doug and Don and keep it up!" - MEL

“Hello all I (MEL) just wanted to pass a good word along... I received a call at 420am from one of my chiefs here in jersey city, Tour Chief Glen Vogel, who was working mercy 6 when the CPR call went out. He wanted to let me know very impressed with the squad tonight and how they call. It's not very often we get recognized in EMS let alone

AEP107 NOTE: Cindy and Doug are AEP107 Alumni and continue to be of service to their community.

AEROSPACE PROGRAM – COMPLETED ACTIVITIES [Return to Contents](#)



AEP107 Members & Alumni, please keep in touch with the AEP107 Flight Log. We would love to share your **program activities**. Please send program reports and pictures for our news letter to Tom Teel / tfeel@optonline.net.

Food Drive, AEP107 completed the Aviator's Food Drive. All food items were donated to the Somerset County Food Bank. **THANK YOU!**

AEROSPACE CAREER & PERSONAL DEVELOPMENT [Return to Contents](#)





In future issues our Flight Log we will provide additional information on **PERSONAL ASSESSMENT** (FEB), **CAREER IDENTIFICATION** (MAR), **CAREER DEVELOPMENT** (APR) AND **CAREER SUPPORT** (MAY). THIS GUIDE WAS DEVELOPED BY LEARNING FOR LIFE, INC. AND AEP107 TO CREATE RESOURCES FOR THE AEROSPACE COMMUNITY.

PERSONAL DEVELOPMENT (JANUARY)

Exploring programs are based on five areas of emphasis:

1. **Career Opportunities / Development**
 - A. Develop potential contacts that may broaden employment options
 - B. Boost self-confidence and experience success at school and work
 - C. **Career Development:** Personal Assessment, Career Identification, Career Development, Career Support
2. **Life Skills**
 - A. Develop physical and mental fitness
 - B. Experience positive social interaction
3. **Citizenship**
 - A. Encourage the skill and desire to help others
 - B. Gain a keen respect for the basic rights of others
4. **Character Education**
 - A. Help make ethical choices
 - B. Fulfill one's responsibilities to society as a whole
5. **Leadership Experience**
 - A. Acquire leadership skills necessary to fulfill one's responsibilities in society
 - B. Develop a variety of leadership traits

The "five areas of emphasis" are built into the overall Aviation Exploring Program. The LFL Aviation Exploring program adds value in youth development for both the Aviation Explorer and their parents with:

1. **Elected Officers** manage the Exploring Post. There are additional opportunities to assign Leadership roles.
Primary Emphasis: 1.A, .B; 5.A, .B
2. **Aerospace Presentations Trips** from aerospace industry experts. The presentations include how and what they do and how their career led them to this job.
Primary Emphasis: 1.C
3. **Trips to aerospace companies, aerospace events**
Primary Emphasis: 1.A, .B, .C; 2.A; 4.A, .B
4. **Group Activities** (e.g. airplane wash, games, etc.)
Primary Emphasis: 2.A, .B
5. **Community Service** (e.g. food drives, AirVenture Volunteer, Aviation Merit Badge Event, etc.)
Primary Emphasis: 3.A, .B; 4.B
6. **AEP Governance Meetings** provide AEP direction and program activities.
Primary Emphasis: 4.A
7. **Career Guidance** provides the youth members and their parent mentoring on the development of their aerospace careers. This is generally provided by the AEP adult leaders
Primary Emphasis: 1.C
8. **Program Partner Activity** (e.g. EAA Chapter, soaring club, model airplane clubs) provides the Aviation Explorers the ability to network and develop a better understanding of the aerospace community.
Primary Emphasis: 1.A, .B, .C; 2.B; 5.A, .B
10. **Youth Protection:** Aviation Exploring will not tolerate any form of child abuse in its program and will take all necessary steps to remove offenders from participation.
Primary Emphasis: 1, 2, 3, 4, 5

If you wish to contribute to this PERSONAL and AEROSPACE CAREER DEVELOPMENT GUIDE section or should you have career questions, please contact Tom Teel, tfteel@optonline.net Thank You

US DoL - AEROSPACE INDUSTRY OVERVIEW

The aerospace industry reflects the spirit and courage of America.

With about a quarter of all current aerospace workers reaching retirement age in the next few years, there will be many new high wage career opportunities. What kind of opportunities? To name a few:

- **electronics and other scientists and engineers;**
 - [17-0000 Architecture and Engineering Occupations](#)
 - [19-0000 Life, Physical, and Social Science Occupations](#)
 - [15-0000 Computer and Mathematical Occupations](#)
- avionics and engineering technicians;



- [17-3021 Aerospace Engineering and Operations Technicians](#) - Operate, install, calibrate, and maintain integrated computer/communications systems consoles, simulators, and other data acquisition, test, and measurement instruments and equipment to launch, track, position, and evaluate air and space vehicles. May record and interpret test data.
- 49-2091 [Avionics Technicians](#) - Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicles.
- aircraft and spacecraft structural, surface, and systems assemblers; and
- [51-0000 Production Occupations](#)
- engine and aircraft assemblers and mechanics.
- [51-0000 Production Occupations](#)

In addition to these aerospace specific occupations, there will be demand for business managers, administrative support specialists, accountants, technical writers, and others!

[Continue](#) reading some reasons to focus on Science, Technology, Engineering and Mathematics

Student (college) Opportunities at NASA Centers

<http://www.spaceref.com/news/viewsr.html?pid=30134>

Date Released: Thursday, December 18, 2008

This one-time email is to let you know about some of the wonderful opportunities for students at NASA centers. Please find below paragraphs provided by participating NASA centers advertising their student programs. Please share it with students who might be interested in participating.

Honda seeking engineers in aviation-heavy markets

http://www.news-record.com/content/2009/01/21/article/honda_seeking_engineers_in_aviation_heavy_markets, Jan 22, [Richard M. Barron](#)

Honda Aircraft Co. is buying full-page ads in the nation's top aviation cities to recruit specialized engineers to work at its HondaJet headquarters at Piedmont Triad International Airport. The ads, which ran in Wichita, Kan., Seattle and Savannah, Ga., feature a list of specific technical positions and are designed to attract about 100 experts in aircraft design and certification for the HondaJet.

Oklahoma engineering graduates given \$5,000 tax break

<http://newsok.com/engineering-graduates-given-5000-tax-break/article/3334577>, BY JENNIFER PALMER, Jan 1, 2009 - Engineering graduates now have a \$5,000 reason to work in [Oklahoma](#) under the state's new engineering work force bill. As of today, an engineer hired by an Oklahoma aerospace company is eligible for a \$5,000 tax credit per year for five years. For engineers hired earning \$100,000 or less, that essentially means they won't pay income taxes for at least five years.

Teens prepared for math, science careers, yet lack mentors

<http://web.mit.edu/newsoffice/2009/lemelson-teens-0107.html>, *Lemelson-MIT Invention Index*, Jan 7, 2009

American teens are embracing the subjects of science, technology, engineering and mathematics (STEM) with increasingly positive attitudes; yet many lack the necessary encouragement from mentors and role models in these fields, according to this year's [Lemelson-MIT Invention Index](#).

Student Opportunities at NASA Centers

<http://www.spaceref.com/news/viewsr.html?pid=30134>, Thu, Dec 18, 2008

This one-time email is to let you know about some of the wonderful opportunities for students at NASA centers. Please find below paragraphs provided by participating NASA centers advertising their student programs. Please share it with students who might be interested in participating.

PUBLICATIONS WORTH LOOKING AT [Return to Contents](#)

Coed 14 through 20 readers of this Flight Log please send me your aerospace publications worth looking at.

SMITHSONIAN NATIONAL AIR AND SPACE MUSEUM	http://www.nasm.si.edu
AIR & SPACE MAGAZINE	WWW.AirSpaceMag.com
AVIATIONWEEK	http://www.aviationweek.com/aw/
NASA TV	http://www.nasa.gov/multimedia/nasatv/index.html
ANN TV Video	http://www.aero-tv.net/index.cfm
Heli-Logging	http://www.youtube.com/watch?v=OfzM8q53BB4
Flying Cars & Roadable Aircraft	http://www.roadabletimes.com/index.html
X-48B – Blended Wing Body	http://www.nasa.gov/centers/dryden/multimedia/imagegallery/X-48B/index.html
MUST SEE MOVIES, SUBMITTED BY: Ken Hoeg, Somerset Signal Senders, Inc.	



- O **Speed and Angels**, <http://www.hulu.com/watch/49206/speed-and-angels>
 - O **Fighter Pilot: Operation Red Flag**, <http://www.hulu.com/watch/24197/fighter-pilot-operation-red-flag>
 - O **"Carrier"**, <http://www.hulu.com/carrier>, It scared the crap out of me sitting on my couch! 'Nuff said
- Video of the Week: Wingsuit Base Jumping:**
http://www.avweb.com/avwebflash/votw/VideoOfTheWeek_WingsuitBaseJumping_SevenSunnyDays_199551-1.html?CMP=OTC-RSS
- Future aviation concepts** <http://www.flightglobal.com/airspace/photos/concepts/next-generation-propulsion-10386.aspx>
- Discovery Space Videos:** <http://dsc.discovery.com/videos/discovery-space>

AEROSPACE BUSINESS NEWS [Return to Contents](#)

Boeing considers 737 enhancements

http://www.chicagotribune.com/business/chi-thu-boeing-737-jan01_0,2660536.story, Bloomberg News, Jan 1, 09
Boeing Co., whose 737 is the world's most widely flown plane, said it's studying new "product enhancements" as replacement plans for the aircraft have been delayed toward the end of the next decade.



Spaceport to reach new heights in 2009

<http://albuquerque.bizjournals.com/albuquerque/stories/2009/01/05/story7.html?b=1231131600%5E1755739>, New Mexico Business Weekly - by [Kevin Robinson-Avila](#) NMBW Staff, Jan 2, 09
Construction of the facility, located near Upham in southern New Mexico, is expected to begin in April, thanks to the **Federal Aviation Administration's** decision in mid-December to approve a site-operator's license.

Virgin Galactic Signs 20-year Lease with Spaceport America

http://www.associatedcontent.com/article/1355313/virgin_galactic_signs_20year_lease.html, Jan 02, 2009, [Lisa Manguso](#)

surprises here and there announcement by the management, as of



Happy New Year: Here's Your New Acting FAA Administrator... Lynne A. Osmus

<http://www.aero-news.net/index.cfm?contentBlockId=aa0e29bb-05d5-4e23-9cfa-5d0975640118> Wed, 07 Jan '09 - It's been nothing but small today, folks... not the least of which is the fact that an understated President brought news that the FAA was coming under new January 16th... until further notice.

A new idea for rocket launches?

http://www.orlandosentinel.com/news/local/volusia/orl-musk0809jan08_0,2651518.story, **Kevin Spear** | Jan 8, 2009
Sometime this year, a multimillionaire entrepreneur will try to launch from [Cape Canaveral](#) what he describes as the next generation of rockets. It will be much cheaper, safer and more reusable than anything shot into space so far, said Elon Musk, whose 6 1/2 -year-old company has contracted with [NASA](#) to make a dozen cargo deliveries to the international space station.

Walt Disney World's Space Mountain closing for 'refreshment' on April 19

http://www.orlandosentinel.com/travel/attractions/orl-disney-space-mountain-closing-010709_0,2888333.story, **Jason Garcia** | Jan 7, 2009, **First on OrlandoSentinel.com:** One of the more iconic attractions at [Walt Disney World](#) is getting a makeover. Disney said Wednesday it will shut down [Space Mountain](#) this spring for what the company described as a months-long "refreshment" of the 34-year-old Magic Kingdom roller coaster.

Boeing Reports 2008 Order, Delivery Totals

<http://www.ainonline.com/news/single-news-page/article/boeing-reports-2008-order-delivery-totals>, **By Gregory Polek**, Jan 8, 2009

Boeing today reported that it took orders for 662 commercial airplanes last year, raising its backlog of unfilled commercial deliveries to more than 3,700. The release of the figures officially signaled the end of a three-year boom during which it inked orders for more than 1,000 airplanes each year from 2005 to 2007, when it registered a record tally of 1,413. With its most recent order total, Boeing has relinquished the title of world's best-selling airplane maker to Airbus, which by the end of November had taken orders for 756 airplanes.

Boeing delivered 375 airplanes last year, including 290 737s (including six Boeing Business Jets), 14 747s, 10 767s and 61 777s. The two month strike by some 27,000 machinists late last year resulted in a drop in shipment totals from 441 in 2007.

Amateur-built planes crash less than motorcycles

http://www.suburbanchicagonews.com/heraldnews/news/1360060,Amateur-built-planes-crash_JO010209.article,



BY BOB OKON Staff Writer, Jan 2, 09, JOLIET — the plane that crashed at Thursday at Joliet Regional Airport was a Lancair, which typically are amateur-built craft. The last accident near the airport involved an amateur-built craft that crashed in October 2004, killing the pilot. The term "amateur-built" might raise eyebrows, but the planes have roughly the same safety record as commercially built general aviation craft, said a spokesman for the Experimental Aircraft Association.

The accident rate for amateur-built planes is "a little worse than cars but better than motorcycles," said David Berkley with EAA.

NASA rocket contract launches SpaceX into the big time

http://www.latimes.com/business/la-fi-rocket25-2008dec25_0_5568136.story , By Peter Pae -

The commercial contract, the first of its kind for the space agency, marks a huge milestone for the small company, which was founded by Internet entrepreneur Elon Musk and only recently successfully launched a rocket after three attempts.

Software Faulted In Failed Hypersonic Test

http://www.aviationweek.com/aw/generic/story_channel.jsp?channel=space&id=news/Hyper010809.xml&headline=Software%20Faulted%20In%20Failed%20Hypersonic%20Test, By Guy Norris, Jan 8, 2009, ORLANDO, Fla. - Preliminary findings of an investigation into the August 2008 loss of NASA's HyBoLT (hypersonic boundary layer transition) rocket-boosted experimental project suggest a software fault was to blame.

Statistics Show Airline Air Safety Is On the Rise

<http://www.aero-news.net/index.cfm?contentBlockId=cbef2e79-6c1e-41a2-ac57-dd567f820ba1> , Mon, 12 Jan '09

For the first time in 50 years, US airlines have flown for two years in a row -- 2007 and 2008 -- without any passenger deaths. Single years without fatalities have been rare, with only four occurring since 1958... Making the two-year stretch even more impressive.

AVIATION PARK CONSTRUCTION TO BEGIN IN SPRING

http://www.nbc40.net/view_story.php?id=8009 , Greg Browne (gbrowne@nbc40.net) - 1/12/09 10:59 pm

EGG HARBOR TWP. --- In a presentation to the EHT Planning Board, Monday night, officials from the S.J. Economic Development District said that construction will start this spring on the much anticipated, Aviation Research & Technology Park. The park, which will be built on a 58 acre tract of land adjacent to the F.A.A. Tech Center, in EHT, is expected to attract high tech aerospace companies, who will be working, primarily, with the FAA, on the Next Generation Air Transportation System (NextGen).

General Says USAF Is 'All In' On UAS

<http://www.aero-news.net/index.cfm?contentBlockId=c5d7148d-1e78-4666-8d7d-18b738626d88>, Thu, 15 Jan '09



The Air Force is "all in" with regard to unmanned aerial systems, and the service's leaders understand Defense Secretary Robert M. Gates' direction to field the systems in the combat theater as fully and quickly as possible, the commander of 12th Air Force and Air Forces Southern said January 12.

NASA Wants in on Suborbital Space Rides

<http://dsc.discovery.com/news/2009/01/14/nasa-microgravity.html> , Irene Klotz, Discovery News, Jan. 14, 2009 -- There's a new customer lining up for rides aboard [commercial spaceships](#) being designed to ferry passengers into suborbital space -- NASA.

No, the U. S. government isn't looking to break into the space tourism business -- at least not yet. But the agency is interested in what science can be done during the three- to five-minute suborbital hops.



B-52 TRANSPORT, submitted by Jerry Iacona, NJ Aviation Education Council

While this may look like a gag shot, it is actually a "transport of a transport" necessity. The B-52 was in Beirut, Lebanon undergoing routine fuel tank cleaning. Workmen accidentally damaged the bladder system and had to install the bladders from smaller C-130s temporarily. The plane was flown to nearby McCullough air base where it was lifted upon a barge bound for Tyre on the Mediterranean. Once there it was off-loaded onto the carrier deck for transport to Crete where the appropriate tank bladders were installed. It was then flown back to Beirut. Military cooperation in action.

Harrison Ford to receive Living Legend of Aviation Award

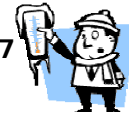
<http://www.examiner.com/x-2215-Denver-Aviation-Community-Examiner-y2009m1d17-Harrison-Ford-to-receive-Living-Legend-of-Aviation-Award>, January 17, by Chris Rodriguez, [Denver Community Examiner](#)

Aviation

On January Awards in Los



22nd, actor **Harrison Ford** will be honored at the Living Legends of Aviation Angeles.



Mr. Ford has been the chairman of the **Young Eagles** program of the [Experimental Aircraft Association](#) (EAA) since 2004. This program helps get children interested in aviation. Mr. Ford has been a promoter of this program and has taken up nearly 300 kids in his own aircraft. Previous Young Eagle chairmen include actor **Cliff Robertson** and **Gen. Chuck Yeager**.

[Is Microsoft Flight Simulator coming to an end?](#)

http://blog.seattletimes.nwsources.com/techtracks/2009/01/23/is_microsoft_flight_simulator_coming_to_an_end.html, **Ben J. Romano**, Jan 23, 09



A screenshot of Microsoft "Flight Simulator X" depicting a float plane and the Seattle downtown skyline.

Microsoft is indeed closing Aces Studio, maker of one of its longest-running products, Flight Simulator, a Microsoft spokesman confirmed.

"Following our annual strategy review process, [the Interactive Entertainment Business] is making adjustments within our business to align our people against our highest priorities, and the closure of Aces is once of those changes," he said via e-mail.

NTSB Recommends TV Pilot Restrictions

<http://www.aviationtoday.com/rw/commercial/eng/29392.html>, Jan 29, 2009

The National Transportation Safety Board voted unanimously to recommend all news gathering operations forbid pilots from doing on-the-air reporting while flying.

NM, Sweden spaceports agree to cooperate

http://www.newswest9.com/Global/story.asp?S=9759479&nav=menu505_2, Associated Press - Jan 30, 09

LAS CRUCES, N.M. (AP) - The New Mexico Spaceport Authority has entered into an agreement with Spaceport Sweden to increase global cooperation in the commercial space industry.

AEROSPACE TECHNOLOGY NEWS [Return to Contents](#)

Nivisys Night Vision Goggles Get FAA Certification for Civilian Use

<http://www.aero-news.net/index.cfm?contentBlockId=e23e2191-21fe-4ed8-978a-38645d2bfe8a>, Mon, 05 Jan '09 - Here's an interesting gadget for the flyer who simply MUST have everything. Nivisys Industries, LLC, a manufacturer of Night Vision and Thermal technologies, tell ANN that they received the first FAA TSO-C164 approval for their NVAG-6 Night Vision Aviator Goggle

A Glider That Goes... WHOOSH???

<http://www.aero-tv.net/index.cfm?videoId=359c249e-67bb-44e5-838f-d108fa0a7e9f>, Thu, 08 Jan 2009 - The 2008 ICAS Convention brought together a lot of diverse talent from all aspects of the airshow industry... but a few of those attending raised some eyebrows... like Bob Carlton.

First 1 Terabyte solid state drive from Pure Silicon

<http://nextbigfuture.com/2009/01/first-1-terabyte-solid-state-drive-from.html>, Jan 11, 2009

[Pure Silicon](#) has introduced the world's first [2.5" 1 Terabyte](#) solid state drive at 2009 CES (consumer Electronics Show). The drive is higher density than magnetic hard drives of that size. The 1TB Nitro SSD is the most compact SSD per gigabyte: 15.40GB per cubic centimeter in a 2.5-inch form-factor -- at least three times greater than any other SSD on the market.

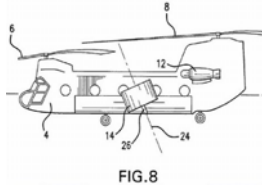
Plan voor ruimtehaven op Curaçao wacht op financiers

http://www.z24.nl/economie/ondernemen/artikel_46154.z24/Plan_voor_ruimtehaven_op_Cura_ccedil_ao_wacht_op_financiers.html, 30-12-2008 |



Gepubliceerd 12:13 , 30-12-2008 | Laatst bijgewerkt 13:53
Drie Nederlandse pioniers gaven een half jaar geleden richtbaarheid aan hun plannen voor Caribbean Spaceport, een bedrijf dat commerciële ruimtereizen mogelijk maakt vanaf de luchthaven van

Curaçao. Het ontwerp voor een terminal ligt er inmiddels. Grote investeerders zijn er alleen nog niet. Deel 6 in de serie 'Hoe verging het start-ups in 2008?'.



Piasecki reveals new look for hot-rod Chinook

<http://www.flightglobal.com/articles/2009/01/26/321544/piasecki-reveals-new-look-for-hot-rod-chinook.html> , **Stephen Trimble**, Flight Int'l, 26/01/09

[Piasecki Aircraft](#) has revealed new images of a [Boeing CH-47 Chinook](#) transport helicopter augmented by ducted-fan thrusters, which can be vectored to boost maximum speed to 250kt (462km/h) or lift capacity by 30%.

XHELI.com : <http://www.xheli.com/hotchchrchew.html?qclid=CMD5t9G0rJgCFQxKGgodF3-0nA>

YouTube: Piasecki X-49A Speedhawk flight tests: <http://www.youtube.com/watch?v=Yu2CwHwxJYA>

Shuttle flight will test viability of future rocket design

<http://www.smartbrief.com/news/aia/storyDetails.jsp?issueid=A9045B88-0B4B-4251-B262-4C640B461BBE©id=BCAD3080-A3F7-4317-9E33-B0C4F5A8CEE0>

AIA DAILYLEAD | 01/27/2009 - NASA will use a future launch of the space shuttle Discovery to gather data on vibration and other factors that will be needed in designing the shuttle's successor, the Ares I rocket. "We have returned to using the space shuttle as a research vehicle, and we're trying to learn more and more about space flight and hypersonic re-entry and the dynamics of ascent," says Shuttle Program Manager John Shannon, explaining that the astronauts' seats will be equipped with sensors to measure vibration caused by solid fuel boosters. AviationWeek.com (01/26)



Lancets Project Probes Supersonic Shockwaves

<http://www.aero-news.net/index.cfm?contentBlockId=16f1f245-d011-4736-b30c-2b0b4848ee29> , Sun, 25 Jan '09, NASA is concluding a series of flight tests to measure shock waves generated by an F-15 jet, in an effort to validate computer models that could be used in designing quieter supersonic aircraft.

AEROSPACE – THE FUTURE [Return to Contents](#)

SPACEPORT AMERICA TODAY

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NASA and Gulfstream Flying in High Def



<http://www.nasa.gov/topics/aeronautics/features/xvs.html> 10.27.08, Gulfstream pilot Tom Horne readies to fly an XVS flight from the backseat of NASA's F-18 SRA. NASA photo/Tony Landis NASA is partnering with Gulfstream Aerospace Corp. on a project that could aid visibility for pilots of future supersonic business jets.

NASA is partnering with Gulfstream Aerospace Corp. on a project that could aid visibility for pilots of future supersonic business jets.

The Sikorsky X2 TECHNOLOGY™, http://www.sikorsky.com/sik/innovation/x2_technology.asp



The demonstrator aircraft will incorporate several new technologies and demonstrate them in a flight environment. These technologies include an integrated Fly-by-Wire system that allows the engine/rotor/propulsor system to operate efficiently, with full control of rotor rpm throughout the flight envelope, high lift-to-drag rigid blades, low drag hub fairings, and Active Vibration Control. In addition, the aircraft will be used as a 'flying wind tunnel' to determine the main rotor to propulsor



aerodynamic interaction, shaft angle optimization for performance, and blade tip clearance for a range of maneuvers. This will allow optimization of the X2 TECHNOLOGY™ suite for future products.

1-High Lift/drag (L/D) Ridgid Blades; **2**-Integrated Rotor / Propulsor / Engine Control System; **3**-Active Vibration Control; **4**-Fly-By-Wire (FBW); **5**-Rotor Speed Reduction; **6**-Hub Drag Reduction



F-35 Aircraft-Pilot Speech System Developed

<http://www.aviation.com/technology/071016-afpn-f-35-voice-recognition.html>

The F-35 Lightning II Joint Strike Fighter will be the first U.S. fighter aircraft with a speech recognition capability. If the system proves successful on the F-35, it could be applied to other platforms such as the F-22 Raptor, Barry said.



Dolphins inspire nanotech work, earn researcher \$400K

<http://www.unr.edu/nevadanews/templates/details.aspx?articleid=4774&zoneid=40>

Photo by Crista Hecht, Monday, Dec 29, 2008, By Mike Wolterbeek

Inspired with the speed at which dolphins swim through the water compared to other aquatic life, Jonghwan Suhr of the University of Nevada, Reno, decided to mimic the dolphin's skin using nanotechnology in order to make objects move more efficiently through the air.

Will brain waves help pilot future space ships?

http://www.usatoday.com/tech/science/columnist/vergano/2009-01-03-brain-waves_N.htm

NASA's plans to ship people to the moon and some day Mars are very much up in the air these days, with debate over Barack Obama's plans for the space agency a hot water cooler topic in the aerospace industry. Budget battles aside, one new study asks, how should these future astronauts steer their way around our solar system? Brain waves, suggests the current *Acta Astronautica* journal.

Eight high-tech ways to propel a spaceship

<http://www.cosmosmagazine.com/news/2406/8-deep-space-solutions-to-infinity-and-beyond?page=0%2C0>

By Katie Lee, Wednesday, 24 December 2008, Cosmos Online

SYDNEY: What does it take to boldly go where no man has gone before? Conventional rockets fire hot gas through a nozzle to get thrust, but that can't get us to deep space.

Rocket scientists have come up with a raft of solutions – some remain in the realm of science fiction, but others verge on reality. Here's a selection of those that might one day carry us across the final frontier. NUCLEAR PULSE PROPULSION / SOLAR THERMAL PROPULSION / VACUUM-POWERED SPACECRAFT / MAGNETIC SAILS / ARTIFICIAL GRAVITATIONAL FIELDS / SOLAR SAILS / DARK ENERGY WARP DRIVE / ANTIMATTER ENGINES.

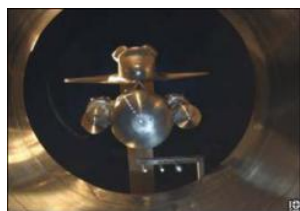
Lunar Rock-Like Material May Someday House Moon Colonies

<http://www.newswise.com/articles/view/547797/>

Newswise — Dwellings in colonies on the moon one day may be built with new, highly durable bricks developed by students from the College of Engineering at Virginia Tech.

Initially designed to construct a dome, the building material is composed of a lunar rock-like material mixed with powdered aluminum that can be molded into any shape. The invention recently won the In-Situ Lunar Resource Utilization materials and construction category award from the Pacific International Space Center for Exploration Systems (PISCES). The award was one of two prizes given out this year by the research center, which is dedicated to supporting life on the moon and beyond.

Fastest Wind Tunnel to Put NASA's Orion to the Test



<http://dsc.discovery.com/news/2009/01/05/wind-tunnel.html>, Eric Bland, Discovery News, Serious Wind | [Discovery News Video](#), Jan. 5, 2008 -- While the Space Shuttle might be up for the highest bidder, engineers at NASA are working hard on the next generation manned spacecraft, the Orion. Part of that work involves testing scaled down models in the world's largest [wind tunnel](#) in Buffalo, N.Y., which was recently upgraded to achieve air speeds up to Mach 30, or about 30 times the speed of sound.

GETTING READY FOR THE MARS MIGRATION

Laurie J. Schmidt, [View Photo Gallery](#), 01.05.2009



<http://www.popsoci.com/military-aviation-amp-space/article/2009-01/getting-ready-mars-migration>

Popular Science pays a visit to the Mars Desert Research Station

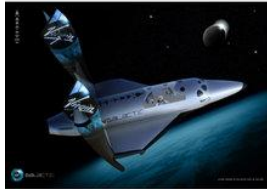
The Mars Desert Research Station, located in the Utah desert near the town of Hanksville, is a simulated Mars habitat that serves as a testbed for field operations studies in preparation for future human missions to Mars.



Volunteer crews live at the station, testing habitat design features and technologies. From December 27 to January 2, six college students served as the MDRS crew, as participants in NASA's Spaceward Bound program.

SNP backs Lossiemouth as first UK space port

<http://www.techradar.com/news/world-of-tech/snp-backs-lossiemouth-as-first-uk-space-port-497157>



Virgin Galactic flights 'an iconic and inspirational opportunity'

December 26th 2008, The Scottish National Party is backing suggestions that Lossiemouth in Moray becomes Britain's first space port. With Virgin Galactic confirming that they are looking seriously at three British launch sites – including Lossiemouth, Machrihanish in Argyll and an airbase in south-west England - the competition to become a space port is hotting up.



Mars trip proposed for retired space shuttles

Audacious plan for one-way trek is a 'thought exercise' from inventor

<http://www.msnbc.msn.com/id/28529922>, By Tariq Malik, Jan. 6, '09

The co-founder of a rocket launch firm has proposed an audacious plan to send astronauts on a one-way trek to Mars using a pair of tethered U.S. space shuttles that would parachute to the Martian surface.

British Professor Pitches Nuclear-Powered Aircraft

<http://www.aero-news.net/index.cfm?ContentBlockID=75ee0f15-c71c-48cd-ad46-98998969e7f1>, Wed, 29 Oct '08

With all the hype surrounding carbon footprints and fuel prices, a British professor thinks he has just the answer. Ian Poll, Professor of Aerospace Engineering at Cranfield University, and head of technology for the Government-funded OMEGA project, is calling for research to allow airliners to transition to nuclear power.

NASA's Blended Wing Body Aircraft Picks Up Speed

<http://blog.wired.com/cars/2008/06/nasas-blended-w.html>, By Dave Demerjian  June 04, 2008 |



Boeing and NASA continue to push ahead with testing of their X-48B blended wing body (BWB) research aircraft, a design Boeing engineers say is about 30-percent more fuel efficient than a similarly sized conventional aircraft carrying an equivalent payload.

The X-48B is collaboration between [Boeing's Phantom Works unit](#), [NASA's Dryden Flight Research Center](#), and the [U.S. Air Force Research Laboratory \(AFRL\)](#). They're developing the plane to investigate the potential of a [blended wing body design](#), which uses a triangular-shaped wing fused to the fuselage, rather than the tube-wing-tail design of traditional aircraft.

Officials Call Energy Efficiency 'Huge Priority' for Air Force

<http://www.defenselink.mil/news/newsarticle.aspx?id=51617>, By Navy Seaman William Selby

Special to American Forces Press Service, WASHINGTON, Oct. 22, 2008 – As the largest consumer of energy in the federal government, the Air Force has made conserving resources a priority, officials said yesterday. “We have to continue with our strategy of reducing demand and increasing [energy] supply and changing the culture within the Air Force,” Kevin Billings.

Supersonics Remain Long-Range Strike Option: Jan 11, 2009, Graham Warwick,

[HTTP://WWW.AVIATIONWEEK.COM/AW/GENERIC/STORY_GENERIC.JSP?CHANNEL=AWST&ID=NEWS/AW011209P2.XML](http://www.aviationweek.com/AW/GENERIC/STORY_GENERIC.JSP?CHANNEL=AWST&ID=NEWS/AW011209P2.XML), The U.S. Air Force remains interested in a high-speed, long-range strike aircraft despite the decision to stay subsonic for its Next-Generation Bomber and cancellation of the Blackswift hypersonic demonstrator.

A subsonic bomber was chosen because the technology for a highly survivable supersonic aircraft was not mature enough to meet the 2018 service-entry goal, says Ronald Paul, chief scientist for the Air Force Research Laboratory's air vehicles directorate.

US contender for 2030 air transport vision



<http://www.flightglobal.com/articles/2009/01/12/320344/picture-us-contender-for-2030-air-transport-vision.html>, By [Aimée Turner](#), Flight Int'l, 12/01/09, Here is the first image of what one

leading aircraft design boffin reckons to be the shape of things to come. While the artist's unswept wing ultra-efficient aircraft concept may very well have no bearing on any final design, it is based on some preliminary thoughts by US aerodynamicist and human-powered vehicle expert Prof Mark Drela from Massachusetts Institute of Technology.



STEALTH REBORN



<http://www.popsci.com/military-aviation-amp-space/article/2009-01/stealth-reborn> , Dawn Stover 01.09.2009

The Air Force wants a new bomber equipped with 21st-century technology. That could mean stealthier surface materials and laser weapons—and it might even skip the pilot

Obama administration first 100 days to promote antigravity technology

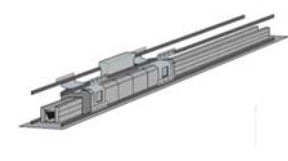
<http://www.examiner.com/x-2383-Honolulu-Exopolitics-Examiner-y2009m1d19-Obama-administration-first-100-days-to-promote-antigravity-technology>

by Michael Salla, Ph.D., [Honolulu Exopolitics Examiner](#) , Jan 19, 09

The first 100 days of an Obama administration promise a number of bold initiatives aiming to reinvigorate the U.S. economy and restore America's international image.

YouTube- **Biefeld-Brown** effect: http://www.youtube.com/results?search_query=Biefeld+Brown+&search_type=&q=f

US Navy Readying Electro-Magnetic Launch for New Carriers Which Will Also be Ready for New Lasers and Railguns Later , January 13, 2009



[Current steam catapults use about 615 kg/ 1,350 pounds of steam for each aircraft launch, which is usually delivered by piping it from the nuclear reactor.](#) Now add the required hydraulics and oils, the water required to brake the catapult, and associated pumps, motors, and control [systems](#). The result is a large, heavy, maintenance-intensive system that operates without feedback control; and its sudden shocks affect airframe lifespan for carrier-based aircraft.

The [first full size test motor generator for the Navy's Electromagnetic Aircraft Launch System \(EMALS\) was assembled](#), and finished its 30 days of factory acceptance testing at Kato Engineering's plant in Mankato, MN on April 11, 2008. 5 units are being manufactured under General Atomics' Systems Development & Demonstration contract. One is slated for component level testing, and 4 will be installed and used for system level testing at the Lakehurst, N.J., EMALS catapult site.

Rolls-Royce completes initial test of engine for supersonic cruise missile programme

http://www.domain-b.com/aero/mil_avi/miss_muni/20090112_supersonic_cruise_missile.html

Aviation & Aerospace, 12 January 2009



Indianapolis: Rolls-Royce has announced it has successfully completed an initial test of its advanced, high-specific thrust YJ102R engine at the Indianapolis, Indiana facility. This test is the first of a series to be performed by LibertyWorks, the company's research unit, and is designed to validate critical performance criteria under its High Speed Turbine Engine Demonstration (HiSTED) contract with the US Air Force Research Laboratory (AFRL).

PICTURE(S) OF THE MONTH YEAR [Return to Contents](#)

MIRACLE ON THE HUDSON



Capt. Sullenberger or Chesley B. "Sully" Sullenberger

<http://www.smh.com.au/news/world/bthe-pilotb/2009/01/16/1231608953773.html> , Georgina Robinson, Jan 16, '09

If seven years flying fighter jets in the US Air Force, three decades as a commercial pilot and a stint investigating plane crashes prepared Sully Sullenberger for anything, it was this.

In the space of a few minutes on a freezing Thursday afternoon in New York, the 57-year-old [coolly guided his plummeting US Airways flight to a safe landing](#) on the icy Hudson River after a flock of birds reportedly hit the plane and disabled both its engines.

"I know I can speak for the entire crew when I tell you we were simply doing the jobs we were trained to do." - Capt. Sullenberger

