

May 2005

Experimental Aircraft Association Chapter 33

A monthly publication of the Dr. Alexander M. Lippisch Chapter of the Experimental Aircraft Association, Cedar Rapids, Iowa.

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## Changing of the Guard at *Aviation Products* "Home of the Originals"

By Marv Hoppenworth

It has been 20 years since Marv Hoppenworth (EAA 2519) (pictured below left) cut the pieces of plywood for the first Pedal Pitts. As he has reached the age of 76, it is time to give up the day\_to\_day task of shipping



plans, kits and decals. Gary Sampson, (pictured below right) also of Cedar Rapids, Iowa, has purchased the business and is now doing this work. There will be no change in the operation as Gary is using the same address and policy.

Marv will now have time for developing some new models. He is very proud to have touched the lives of thousands of people all over the world.



# Pickart/Wilson Airport 4th Annual Flight Breakfast

By Dave Wilson

Sunday, June 26th 7:30-11:00 a.m. Breakfast is free for everyone. 6 miles north of Keystone and 1 mile east of the blacktop GPS 42:05:28N 92:10:59W. There is an east-west runway that is 2000' long and 50' wide. There is also a north-south runway that is 800' long and 100' wide. (Model airplane runway) The runway is located 5 miles west of the Fox 2421' ASL tower. There are power lines to the east and north and approach from the east brings you over the neighbors house. There are 2 silos on the farm and evergreens on the north and west side. Wind sock on the silo. Model airplanes will start flying at 12:00.

Driving directions: Take Hwy 30 west to Keystone corner. Turn right and head north to 64th street. Turn right and go east for 1 mile to 16th Ave. Turn right and it's the first farm house on the right. David Wilson, 6419 16th Ave., Garrison, IA 52229, 319 560-1708



# Vinton open House & Young Eagle Rally

By Connie White

There will be an Open House at the Vinton Airport on May 14th. We are also going to have a YE Rally the time will be from 9AM till 1PM or later. Open house is 10AM till 3PM.

All YE Volunteers please get in touch with me if they can work on the ground or fly the kids. Connie 319-393-6484 or [longez38ar@juno.com](mailto:longez38ar@juno.com)



# Big Kids Toy Show

By John Dane

Aircraft/Car/Motorcycle/Boat/RV Show at the Iowa City Airport. Starts with a Hangar Dinner Friday night, May 20. Fly-in/Drive-In Saturday and Sunday, May 21-22. Free pancake breakfast to Fly-In Pilots. Security by CAP.

All Proceeds to benefit The United Methodist Men, 4H of Johnson County, and The Iowa City Down Town Rotary Club.

## Burt Rutan to Address National Press Club

May be broadcast on WSUI AM 910

Space for the Rest of Us" will be addressed in a speech by famed aviation/spacecraft designer and spaceflight entrepreneur Burt Rutan, scheduled to be delivered to the National Press Club on Thursday, May 19.

Described by Newsweek as "the man responsible for more innovations in modern aviation than any living engineer," Rutan is expected to address such unique and innovative topics as the future of space travel and the development of affordable space tourism.

Rutan, the founder and Chief Executive of Mojave, Calif.-based aerospace research company Scaled Composites, designed the legendary Voyager, the first aircraft to circle the world non-stop without refueling in 1989. One of his more recent projects, the Virgin GlobalFlyer, broke Voyager's record time and became the first non-stop, solo flight around the world.

In 2004, Rutan made international headlines as the designer/developer of SpaceShipOne, the world's first privately- built manned spacecraft to reach space, and as the winner of the \$10 million X prize, the competition created to spur the development of affordable space tourism. The development and launch of SpaceShipOne, financed by Microsoft co-founder Paul Allen, was featured in a Peabody Award-winning Discovery Channel documentary "Black Sky: The Race for Space." A 60 Minutes profile, "Burt Rutan: An American Original," aired in November 2004.

Winner of the Presidential Citizen's Medal, the Collier Trophy (1987 and 2005), and the Charles A. Lindbergh Award, Rutan predicts that "private spaceflight will be a multibillion-dollar business and every child will know that he will be able to go to orbit in his lifetime."

The National Press Club luncheon will begin promptly at 12:30 p.m. ET on Thurs., May 19. Rutan's remarks will begin just after 1 p.m., followed by a question-and-answer session. Advance reservations should be made by telephoning 202-662-7501. Cost of luncheon admission is \$16 for National Press Club members, \$28 for their guests and \$35 for general admission.

The National Press Club is located at 14th and F Streets, NW, one block west of Metro Center. More information about the Club and its programs is found on its Internet website: <http://www.press.org>.

# Next Meeting - The Cassini Mission to Saturn

For our May meeting we have persuaded Donald A. Gurnett, Professor of Physics at the University of Iowa, to give a presentation entitled "The Cassini Mission to Saturn". It will feature a discussion of the technical and operational aspects of the Cassini spacecraft, which was placed in orbit around Saturn last July, and an overview of the latest scientific results, which are quite spectacular. This is a presentation you won't want to miss. Don is no ordinary "space buff" but has been a team member on dozens of spacecraft projects, including the Voyager 1 and 2 flights to the outer planets, the Galileo mission to Jupiter, and the Cassini mission to Saturn. He is the author or co-author of over 450 scientific publications, primarily in the area of magnetospheric radio and plasma wave research. Don has received numerous awards for his research.

We will meet Wednesday, May 11th 7:00pm at Beems Auditorium Cedar Rapids Library, 500 1st Street, SE, Cedar Rapids.

## Presidential Words

By Tim Busch

Lots of flying is in store for chapter 33 members over the coming months. First on the agenda is a Young Eagles event at Vinton May 14<sup>th</sup> from 9am until 1pm in conjunction with Vinton's annual Open House. Please call Connie White at 319-393-6484 if you can help on the ground or in the air. There are many flight breakfasts coming as well. Take a look at [www.iawings.com](http://www.iawings.com) for calendar information. Nearly every weekend of the summer has a flying event, so you shouldn't have trouble finding places to fly.

How was your winter? Did you get lots of building done? Justin Fishbaugh's Glasair III is complete, signed off, and ready for its first flight, so we may be seeing the Fishbaughs zooming around the Midwest soon. Do any of you have first flights to report? How about new projects? It seems like the trouble with all projects, airplane or otherwise, is time, space and money. You can never have all three at the same time. If you have a secret for balancing the three, let us know!

Gas prices haven't helped flyers or drivers in the past couple of years. I have seen some interesting new aviation developments, such as fuel cells and diesel engines. There is even a group working on a human sized rubber band powered airplane! Although I am not an aeronautical engineer, I think it would be fun to design a basic airplane from the ground up with the intention of building it on a mass production scale. It would be something along the lines of an RV-6A or Zenith 601XL: a good, basic two seat trainer / touring machine. Many people in the general aviation industry think that 1000 airplanes a year is mass production, but this is a drop in the bucket compared to the auto industry. In 2000, the auto industry produced 41 million vehicles, while civil aviation produced less than 3000 aircraft. We build our typical homebuilt aircraft in approximately 2000 hours. Cessna builds about a thousand single engine airplanes per year with less than 1000 hours per airplane. General Motors builds an auto in just over 40 hours! Toyota has made great strides in efficiency, getting the hourly build down to just under 18 hours! The cost to buy would be cut dramatically and hull insurance would also drop. What would the unit cost be if we had the capability to build 100,000 basic airplanes per year? How quickly would general aviation grow? If we build them, would they come?

# Editor's Rant

By David Koelzer

Regular readers of this column will know that I am the last person who would ever criticize the Transportation Security Administration (TSA). So in the interest of fair and balanced reporting I thought it might be interesting to see what some publications are saying about the TSA. While some of these publications might not carry the clout of the Editorial section of *The Lippisch Letter*, I think they will provide a counter point to the usual glowing reports you usually see here.

Sara Kehaulani Goo of the Washington Post reports: "The TSA has been plagued by operational missteps, public relations blunders and criticism of its performance from the public and legislators. Its "No Fly" list has mistakenly snared senators. Its security screeners have been arrested for stealing from luggage, and its passenger pat-downs have set off an outcry from women." also: "We need to step back and look at the billions of dollars we spent on the system, which doesn't provide much more protection than we had before 9/11," said Rep. John L. Mica (R-Fla.), referring to tests conducted by the Department of Homeland Security inspector general that gave a "poor" rating to TSA screeners for their ability to catch weapons at checkpoints."

John Crawley of Reuters reports: Federal airport passenger and baggage screeners have shown virtually no improvement over the past year and the task should be returned to private hands, a lawmaker with influence on aviation matters said on Tuesday. "Three and a half years after those horrific terrorist attacks, there is still a vital need for immediate aviation security improvements," said Rep. John Mica, chairman of the House of Representatives aviation subcommittee. Mica told a news conference that reports by the Homeland Security Department inspector general and the Government Accountability Office highlighted poor screener performance.

ABC News' Bob Jamieson reports: More than 60 TSA screeners have been arrested for theft at 30 different airports, both large and small. Some have been caught going through bags in full view of airport security cameras — one is even seen on tape pocketing a gold bracelet. Officials have only recovered a fraction of what has been stolen and somehow smuggled out of supposedly secure airports. The TSA has settled 15,000 passenger claims filed over theft by screeners and has paid out \$1.5 million in damages.

So maybe I have been too easy on the TSA and maybe we all should demand better performance from the TSA or better yet we should demand back some of the civil liberties which we have carelessly toss away. As Benjamin Franklin once said: "They who would give up an essential liberty for temporary security, deserve neither liberty or security"

# Fly Market

FOR SALE: Airplane Parts, All prices open to negotiation OBO

Propellers: Warnke Ground adjustable --74"  
For Lycoming 0290\$250.00, Hegypitch 76"  
X4 \$200.00

Bounsall Prospector Airplane \$800.00

Continental 65 hp low time, Stromberg Carburetor, Eiseman Magnetos' Aeronca Exhaust Stacks, Gasculator, Sterba Wood Prop- 72" X 42"\$3,500.00

Cleveland Wheels, Brakes and Tires \$350.00

Master Cyls.\$100.00

Die Spring Shock Struts \$80.00

Matco Tailwheel- 6"- Solid.\$130.00

Airpath Compass\$ 30.00

Rate of Climb \$120.00

Slip Skid\$ 30.00

Altimeter\$170.00

Mag Switch\$ 40.00

Airspeed\$120.00

New Mechanical Tachometer with new Right Angle Drive\$200.00

Mechanical Oil Pressure Gauge\$ 20.00

This engine has about six hours on a rebuild but suffered an inflight partial power loss causing an emergency landing. It is completely disassembled. It has many new parts including a John Deere Dynamo and regulator, T-10 Camshaft and new lifters. Remote setup for Oil Filter and Cooler. It has breakerless Ignition Distributor and new Spark Plugs. The Crankshaft is Standard Rods and Mains with standard Cylinders and the Crankcase is believed to be sound. The cylinder Heads are High Compression and had Valve job at overhaul (6hours). All parts will need a thorough cleaning and inspection. The Crank is complete with Safety Shaft and Prop Hub also come with Sturba Propeller and skull cap Spinner. Asking price--\$2500.00----- OBO

Contact Raymond Hill at phone: 641-227-3189 anytime or 227-3566 evenings. E-Mail: raydot@pcpartner.netorrandc@pcpartner.net



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In The May 2005 Issue...

New Owner Aviation Products, Pickart/Wilson Breakfast, Burt Rutan

## Chapter 33 Calendar

**May 5-7** Pella Tulip Time Flight Breakfast. Shuttle available to Festival. Pella, Iowa Municipal Airport

**May 11 7pm** Chapter Meeting, Beems Auditorium Cedar Rapids Library, Donald A. Gurnett presenting The Cassini Mission to Saturn.

**May 14** Open House, Young Eagles Vinton, Iowa Municipal Airport

**May 15** Annual Fly-In Breakfast, Cherokee, Iowa

**May 21** Flight Breakfast / Open House, Aircraft Display & Rides in Vintage B-25 Bomber, Mason City, Iowa

**June 5** Flight Breakfast(s) at Washington IA & Red Oak IA & Muscatine IA, & Audubon IA & Denison IA.

**June 11** Drive-in Fifth Annual Hangar Concert at Green Castle airport. Benefit for the Bill Kimble Flight Scholarship . 6:30 pm for great food & drink. Concert at 7:30pm out under the stars. Exit 4 on I 380 , North Liberty exit, then west 4 miles (on F-28) . Bring folding chair or blanket.

## The more things change...

