

Hangar Flyer

On the Web at <http://www.eaa92.org> EAA Chapter 92

June 2008

Volume 6, Issue 6

Project Visit and Hangar Party at CNO Saturday June 7, 2008

The General Meeting has been canceled. Instead we will be meeting at Chino (CNO) Saturday June 7th about 10:00 am to visit a Light Sport Legend Cub project and talk about building. During our visit there will be opportunities to try building processes. This is a great time to get some experience to do your own project.

The Cub is in Eagle Nest Two hangars, adjacent to CalAero Drive and across from the B-17 at Planes of Fame. You can park on CalAero Drive and enter through the pedestrian gate which is in the fence directly across from the B-17. Around noon the group will retire to Base Ops for a barbecue.

There will be a lot of fun this Saturday. Don't miss it.
See Map on back.



At The June 7th Meeting

We will meet at Dave Prizio's hangar to inspect his current cub project and his completed Glassair Sportsman.

Contents

**Project Visit and
Hangar Party**

Page 1

**Designer
Aviation Fuel**

Page 3

**Midland Texas
Airshow 2007**

Page 6

Meeting Minutes

May

Page 6

CHICKEN WINGS®

BY MICHAEL AND STEFAN STRASSER



Reprinted by permission of the Stefan and Michael Strasser
Check out more cartoons at <http://www.roost-air.com>

Officers & Staff

President	Ray Hecker (949) 951-6784 rhecker@franek-tech.com
Vice Pres.	Jay Steffenhagen (714) 730-3717 jsteffenhagen@beckman.com
Secretary	Bob Dougherty (714) 775-3359 csb1896@cox.net
Treasurer	Roland Koluvek (714) 633-8280 aviatorrhk@socal.rr.com
Directors	Greg Fisher (949) 733-1586 gfisher733@sbcglobal.net
	Terry Dowell (949) 646-3171 terry.dowell@qontrol.com
	George Martin (949) 494-7148 glmartin.aero@earthlink.net
Base Ops	Ernie Julian (714) 832-4529 erniejulian@ca.rr.com
Membership	Richard Wigfield (562) 933-0194 rwigfield@aol.com
Webmaster	Don Myhra (949) 472-1145 don@myhra.org
News Editor	Rich Newell (714) 843-0700 richard@sd-consulting.com
Young Eagles	Cliff Carpenter (714) 850-2854 carpenter.cliff@aaa-calif.com
In Afganistan	Gary Steinke (281) 669-5425 Gary.Steinke@kbr.com
Tech Counselors	Gary Questa (714) 963-3281 shirleyq12@aol.com
	Ray Olimski Emeritus rayvonne@cox.net
	Roland Koluvek (714) 633-8280 aviatorrhk@socal.rr.com
Flight Advisors	Ray Hecker (949) 951-6784 rhecker@franek-tech.com
	Jay Steffenhagen (714) 730-3717 jsteffenhagen@beckman.com

Designer Aviation Fuel



Swift Enterprises co-founders Mary and John Rusek, conduct research on SwiftFuel, a lead-free aviation fuel for small aircraft that can provide an effective range (distance between refueling) greater than petroleum at half the manufacturing cost.

(Photo provided by Purdue Research Park)

Designer aviation fuel may provide cleaner, greener, cheaper alternative

Swift Enterprises Ltd. has unveiled a new general aviation fuel that is less expensive, fuel-efficient and environmentally friendlier than any on the market, said co-founder John Rusek.

The general aviation industry includes all flights other than military and scheduled airline flights, both private and commercial. Data on Swift Enterprises' 100 percent renewable general aviation fuel was presented April 28 at an annual meeting of an international committee that oversees aviation fuel standards. Unlike current biomass fuels, SwiftFuel is comprised of synthetic hydrocarbons derived from biomass. Rusek said it can provide an effective range (distance between refueling) greater than petroleum while its projected cost is half the current petroleum manufacturing cost.

Continued on page 4

Designer Aviation Fuel *Continued*

The innovation by Swift Enterprises' propulsion and energy researchers meets or exceeds the standards for aviation fuel as verified by nationally recognized laboratories, said Rusek, a professor in Purdue University's School of Astronautics and Aeronautics Engineering.

Swift Enterprises, founded seven years ago at Purdue Research Park, is led by Rusek and his wife, Mary, who have been involved in the field of energy more than two decades. The meeting was held by the Coordinating Research Council of ASTM International in Alexandria, Va. ASTM International is one of the largest voluntary standards development organizations in the world.

"Our fuel should not be confused with first-generation bio-fuels like E-85, which don't compete well right now with petroleum," Rusek said. "For general aviation aircraft, range is paramount. Not only can our fuel seamlessly replace the aviation industry's standard petroleum fuel, it can outperform it."

The general aviation industry each year uses nearly 570 million gallons of 100LL aviation fuel, which is toxic, increasingly expensive and non-renewable. In contrast, testing has shown SwiftFuel© is 15 percent to 20 percent more fuel efficient, has no sulfur emissions, requires no stabilizers; has a 30-degree lower freezing point, introduces no new carbon emissions, and is lead-free, John Rusek said. In addition, he said, the components of this fuel can be formulated into a replacement for jet/turbine fuels.

The aviation industry has been the only form of transportation to use leaded fuel (tetraethyl lead) since an Environmental Protection Agency ban went into effect 30 years ago. However, that lead-free exemption will cease in less than two years.

"The general aviation industry, both domestic and foreign, is demanding a solution to this dilemma," said Mary Rusek,

Designer Aviation Fuel *Continued*

Swift Enterprises' president. "Our new, patented technology can provide the 1.8 million gallons per day required by the industry in the U.S. by utilizing only 5 percent of this country's existing bio-fuel plant infrastructure."

"John and Mary Rusek have devoted their lives to coming up with practical, renewable energy," said Joseph B. Hornett, senior vice president, treasurer and chief operating officer of the Purdue Research Foundation, which manages the Purdue Research Park. "This fuel could change aviation history and be an economic boon for the state of Indiana and the Midwest, where we can abundantly grow the resources to produce SwiftFuel®."

Swift Enterprises officials are in discussions with the Federal Aviation Administration, which has initiated a cooperative agreement with the company to evaluate the fuel.

About Swift Enterprises Ltd.

Established in 2001, Swift Enterprises aims to use renewable resources to end the energy crisis. Swift Enterprises works with hydrogen peroxide and novel chemicals as new components in fuel cells and propellants. The scientists at Swift bring a combination of military, academic and private enterprise experience to the fundamental research and development of propulsion, ordnance and power technologies, and hardware. In the mid-1980s, the company founders worked at Edwards Air Force Base in California, where they conducted research on rockets and rocket fuel for the government. Swift Enterprises has completed research for Lockheed-Martin Astronautics, DARPA, the U.S. Air Force, and the U.S. Navy.

Midland Texas Airshow 2007

The Commemorative Air Force airshow held near the Texas city of Midland is one of the best three warbird shows in the United States. Here are some photos from the 2007 Airshow from the [Flying Kiwi](#). Click on blue words for more.



Richard Seaman [The Flying Kiwi](#) is from New Zealand. He is a software engineer as well as an avid photographer. Check out his web site for some amazing photo of aircraft and other interesting things. richard-seamen.com

General Minutes *May 7, 2008*

The Don Taylor Chapter 92 EAA May meeting was held at Flight Safety, International, Long Beach, California. After an assemble period in the lounge, the meeting was called to order at 7 p.m. by member Bill Moyle, the host and presenter of the event Those in attendance were divided into three groups for a tour of the facility that included the Gulfstream 550 classroom, King Air 300

General Minutes *Continued*

Simulator, Citation V C500 Simulator, and Gulfstream IV Simulator.

At 7:30 p.m., the group gathered in a classroom for an overview presentation by Bill Moyle, of the Citation V 560 operating systems. The presentation concluded at 8:35 p.m. and was followed by question and answer period. The program concluded at 8:45 p.m.

Old Business

At 8:45 p.m., a summary of upcoming events was given by Ray Hecker, chapter president.

Since our regular meeting place at Irvine Ranch Water District headquarters building will not be available next month, two optional meeting alternatives were suggested. They were: (1) Mimi's Restaurant, the site of our previous meetings; or (2) switch to a hands-on training type meeting that would be held on Saturday, June 7th, at Chino airport at a chapter member's hanger. A motion was brought to the floor, seconded, discussed; and, option #2 was carried by majority vote. Dave Prizio and Ed Zaleski will provide the hanger. Details of the meeting will be given in the next chapter newsletter.

New Business

Cliff Carpenter gave the details of the next Young Eagle event as is scheduled for June 14th. Finalization of publicity, recruitment, and scheduling are in process.

Jay Steffenhagen presented a format of operational tasks that need to be completed prior to and during the Planes of Fame event that is scheduled for May 16 thru the 18th at Chino airport. A volunteer list was solicited, assignments made, and an operational plan set up. A work party will begin the efforts this Saturday, May 10th, at 8:00 a.m.

The meeting was closed at 9:15 p.m.

Respectfully submitted,

Bob Dougherty, Secretary



P.O. Box 30211
Santa Ana, CA 92735-8211

To subscribe or unsubscribe yourself, send email to majordomo@eaa92.org with the following in the BODY of your email message:

subscribe members
or
unsubscribe members

Project Visit & Hangar Party

Saturday June 7, 2008 - 10:00 am

