



# Experimental Aircraft Association

## Chapter 135

### News



Number Six

June 2013

## Presidents Position

by Dave Kalwishky

No presidents report this month

**Jack Arthur is  
a new lifetime  
member**

### Recent member accomplishments:

Stewart Rahn -  
Instrument rating  
Al Hummel -  
Commercial rating

*If you have an news worthy note  
or accomplishment or something  
to share send it to Marc for the  
news letter.*

## NEXT CHAPTER MEETING

will be held

**Saturday - June 8, 2013**

*Cookout at -*

*Dave's Hanger at Northfield*

*The grill will be lit at 5:00pm,  
bring your own meat to cook and a side  
dish to share. Water will be provided,  
feel free to bring other drinks.*

## What about a Group Fly-Out?

**Aug. 25, 2013: Windom, MN.**

Windom Eagles Model Airplane Club/Windom Lions Club Fly-In breakfast. Pancakes and French Toast 8 a.m.-12:30 p.m. at Windom Municipal Airport (MWM 122.9). PIC's free.

Brian (507) 830-0273 <tel:%28507%29%20830-0273> .

*Brian Underwood*

*Windom Airport Manager*

### UP COMING PROGRAMS:

**July:** Corn cookout at Roger Stewart's place

**August:** Breakfast meeting with museum

**October:**

**November:** Combined meeting with IAPG

**December:** Christmas Dinner

**Less than 2 months . . .  
the Oshkosh Air show plan to go!**

**Monday, July 29 - Sunday, Aug. 4**

**EAA AirVenture**

**Oshkosh, WI**

**920-426-4800**

**E-mail: [communications@eaa.org](mailto:communications@eaa.org)**

**Website: [www.airventure.org](http://www.airventure.org)**

# Ogden man fulfills dream of becoming a pilot

By Jamie Lampros  
Standard-Examiner correspondent  
Wed, 05/22/2013 - 4:48pm

OGDEN — Some people can bake a cake while others can't stir the batter.

That's how George Shafer describes learning how to fly an airplane.

You either can or you can't and you either love it or you don't.

Shafer loves it and he can obviously fly because he just got his license to do so.

When Shafer was 12 years old, he decided he wanted to be a pilot. His father flew planes and took his young son on occasional trips with him.

"I thought it was great and I really wanted to do the same thing one day," he said.

In 1964, Shafer got his chance. He started flying planes for about a month. Then he quit to serve a mission to New Zealand for The Church of Jesus Christ of Latter-day Saints, followed by military service during the Vietnam War. When he returned, he put aside his dream to fly while he worked and raised a family.

Then, earlier this year, at the age of 70, that burning desire to get back up in the air was too overwhelming to pass up. So Shafer enrolled in flight lessons at Cornerstone Aviation out of the Ogden Airport.

"That burning desire has been there all of these years," he said. "I thought

about everything including the cost. It's not a cheap hobby, but I finally decided, foey. I'm going to do it. I'm finally doing something I have wanted to do for 50 years."

Shafer's first flight was a cross country solo over Burley Idaho. He said flying over the mountains and into the valley caused a swell of emotions.

"The farmland looked so familiar and to me it was just a thrill to see everything from the air," he said. "In these smaller airplanes you don't fly as high, so you can really see a lot of the detail on the ground."

In order to obtain a license, you have to complete a minimum of 40 hours of flight time, including cross country, night landings and simulated instrument flying, said Roe McGrath, Shafer's flight instructor at Cornerstone Aviation.

"It's pretty complicated at times but George did a great job," he said. "I was extremely surprised at how well he flew the airplane and how well he knew the basics of flying and the aerodynamics. It was very easy to work with him."

McGrath said he could see the spark

and thrill in Shafer as he mastered the airplane.

Now that Shafer has his license he can fly anywhere in the United States. He would like to take his wife, Geri, to her hometown of Blackfoot, Idaho, but he said she would rather hitchhike.

"She would rather get in the car and drive," he said. "But I am glad I did it. When you get older you don't get the same excitement or thrill. You get a deep satisfaction. I studied harder in the last three months than I have in my entire life, but it was well worth it."



George Shafer (seated left) recently earned his pilots license. Shown with Shafer are Roe McGrath, flight instructor (middle) and Tom Kuhlman designated pilot examiner.

## Scales Rental Info

All scale rentals require check for \$200.deposit (Will be returned, uncashed, upon timely scale return).

Three day rentals. May be extended for thee additional days at no charge, if there are no other conflicting requests for their use, with notification by phone. Otherwise late fee of \$100 per day applies.

Chapter 135 members (must be member 3 months prior to rental date.) ..\$25.00 for 3 days

National EAA member but not Chapter 135 member .....\$75.00 for 3 days

A&P or FBO rate .....\$125.00 for 3 days

Copy of rental agreement available by fax or email by calling Craig Martin at 515250-3124 or email to cmartindsm@gmail.com

Scales are kept at Wisecup Willow Aviation (Craig Martin) Des Moines Int'l Airport.

# Next From Terrafugia -- Hybrid VTOL

By Mary Grady, Contributing editor  
From May 6, 2013 AV Web

While Terrafugia continues to work on their Transition roadable-aircraft design, on Monday the company unveiled a plan to develop a four-seat, plug-in hybrid electric car capable of vertical takeoffs and landings, with fly-by-wire controls. The TF-X design is “designed to be a flying car for all of us,” says the company website. It will be safe, simple and convenient, the company says, with a 500-mile range, 200 mph cruise speed, and the ability to take off vertically from a clearing with a 100-foot diameter. No technological breakthroughs are required to make the design work, the company said: “We believe these goals are achievable today.”

The TF-X will be easy to operate, requiring only about five hours of training, the company says, and operators will be able to choose between “manual” or “automatic” settings that determine how much human input is needed. The vehicle will have a parachute, and will be capable of landing itself. Like the Transition design, the wings will fold to enable the vehicle to be driven on roads and stored in a standard-size garage. “This is the right time for us to begin thinking about the future of the company beyond Transition development,” said Terrafugia CEO/CTO Carl Dietrich. “We are passionate about continuing to lead the creation of a flying-car industry and are dedicating resources to lay the foundations for our vision of personal transportation.” A price for the aircraft has not yet been set. AVweb’s Mary Grady spoke with Dietrich about the project, the plans for certification, and the projected costs.



# Flying car maker begins study of four-seater

May 6, 2013 by General Aviation News



Terrafugia Inc., developer of the Transition street-legal airplane, has begun feasibility studies of a four-seat, vertical takeoff and landing (VTOL) plug-in hybrid-electric flying car, the TF-X.

TF-X provides vertical takeoff and landing (VTOL) capability with electric motors and custom-made quiet rotors, company officials said in a prepared statement.

“TF-X gets its power in forward flight from a powerful turbine engine,” officials said. “TF-X seats four and drives like a normal car. It will be fully street legal.”

“This is the right time for us to begin thinking about the future of the company beyond Transition development,” says Terrafugia CEO/CTO Carl Dietrich. “We are passionate about continuing to lead the creation of a flying car industry and are dedicating resources to lay the foundations for our vision of personal transportation.

Terrafugia’s design team is excited to be looking ahead to TF-X development activities as the Transition program shifts from research and development to certification, production, and customer support activities, he added.

“The Transition serves as a Proof of Process for TF-X development and commercialization through the many technical, regulatory, and usage challenges it has overcome,” officials said.

Terrafugia (terra-FOO-gee-ah), based in Woburn, Mass., is an aerospace company founded by pilot-engineers from MIT and supported by a network of advisors and investors. The company name is Latin for “escape the earth.”

For more information: [DrivenToFly.com](http://DrivenToFly.com)



Transition

# Airworthy Avgas For General Aviation?

From AV Web website

An Arizona-based company Wednesday said that it plans this year to produce and distribute a 93-octane premium unleaded, ethanol-free fuel as an avgas alternative for aircraft that do not require 100LL. Airworthy AutoGas, LLC, says its “high purity, low vapor pressure” fuel will be available beginning late this year. Bringing the fuel to market will provide “an alternative for the majority of general aviation aircraft without compromising airworthiness,” according to Mark Ellery, the company’s director of business development. The company says its decision to produce and market the fuel was driven by dramatic changes in automotive gasoline in recent years and a goal “to get pilots flying more, for less.”

While ethanol-free automotive gasoline has previously been widely available, in recent years automotive formulations have changed to include ethanol to combat emissions, according to the company. That along with inconsistencies in the fuel across geographic regions and due to seasonal influences were seen by Airworthy AutoGas as significant concerns that the company argues could make traditional autofuel unsuitable for use in aircraft. Airworthy AutoGas uses a patent-pending formulation that it says “meets or exceeds the requirements of ASTM D4814, Lycoming Engines SI-1070 ‘S’ specifications and the numerous EAA and Petersen Aviation Supplemental Type Certificates.”



meets or exceeds the requirements of ASTM D4814, Lycoming Engines SI-1070 ‘S’ specifications and the numerous EAA and Petersen Aviation Supplemental Type Certificates.”

## Membership Dues

Name \_\_\_\_\_

EAA No. \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Phone \_\_\_\_\_

e-mail \_\_\_\_\_

Dues are \$20.00 per year

Dues are due July 1 and run through June 30.

(After January 1st you may pay \$30.00 for 1½ years)

**LIFETIME MEMBERSHIP DUES ARE \$200.00**

You must be a member of the National EAA.

You may mail your dues to our treasurer:

Alan Hummel  
800 N C Street  
Indianola, IA 50125



The Boone Convention and Visitors Bureau,  
and the Boone Municipal Airport  
INVITE YOU TO...

www.BooneIowa.us  
1-800-286-6312

Call Dave Morgan at CY Aviation

at 432-1018 or contact the

Boone Convention and Visitors Bureau  
for more information



# A Breakfast Fly-in! June 22nd 2013

Enjoy a delicious **FREE** breakfast served in the Airport Hangar from 7:30am to 9:30am, followed by a day of fun at one of the following attractions:

Family of Four  
about \$60

**TR**ailsider  
Rentals

Take a memorable bike ride along the High Trestle Trail and over the 130' high High Trestle Trail Bridge.

515-230-6712

www.trailsiderentals-madrid.biz

Family of Four  
about \$90

**SEVEN OAKS**

Tube, Canoe, or Kayak down the Des Moines River and under the 190' tall Kate Shelley High Bridge.

515-432-9457

www.sevenoaksrec.com

Family of Four  
about \$55

**BOONE & SCENIC VALLEY RAILROAD**

Board a nostalgic steam locomotive, cross the 150' tall Bass Point Bridge, and visit the James H. Andrew Railroad Museum.

1-800-626-0319

www.bsvrr.com

Call The Boone Municipal Airport at 432-1018, at least two weeks in advance to RSVP for the breakfast, and to book your transportation needs. Transportation Services to and from the above attractions supplied by Todd's Taxi.

**AT NO COST**, courtesy of the Boone Convention and Visitors Bureau.  
Rentals should be booked directly with attractions.



### Need a Hotel for the Night?

- American Inn - 515-432-4322
- Baymont Inn - 515-432-8128
- Super 8 Motel - 515-432-8890

# Iowa Department of Transportation Office of Aviation Calendar

## JUNE 2013

### **Fridays in June**

Fairfield Municipal Airport  
Fly Fairfield (free lunch to all fly-ins)  
11:30 a.m. – 12:30 p.m.  
641-472-3166 (Bob Lyons)

### **Saturday, June 8**

Iowa Aviation Museum (Greenfield)  
Open house/Iowa Aviation Hall of Fame Induction  
Irwin and Irene Lindner  
Fred M. Wallace  
1:30 p.m. – 3:30 p.m.  
641-343-7184 (Lee Ann Nelson)  
E-mail: aviation@iowatelecom.net  
Website: www.flyingmuseum.com/halloffame.aspx

### **Sunday, June 9**

Spencer Municipal Airport  
Fly-in / Drive-in Pancake Breakfast  
7:00 a.m. – 11:00 a.m.  
PIC & SIC eat free  
712-262-1000 (Gayle Brandt)  
E-mail: spencerairport@smunet.net

### **Sunday, June 9**

Sioux Gateway Airport  
Mid American Aviation and Transportation Museum  
Siouxland Aviation and Transportation Expo  
8:00 a.m. – noon  
PIC eats free  
712-490-0324 (Rick Alter)  
E-mail: ralter@cableone.net  
Website: www.midamericairmuseum.org  
Friday, June 14 - Sunday, June 16  
Osceola Municipal Airport  
Regional Taylorcraft Fly-in  
12:00 p.m. Friday – 12:00 p.m. Sunday  
641-414-2571 (Mark Williams)  
E-mail: rmwchc@gmail.com  
Website: www.restoredrunwaysclassics.com

### **Saturday, June 15**

Keosauqua Municipal Airport  
Fly Van Buren - Fly-In Breakfast  
7:00 a.m. – Noon  
Fly-in pilots eat free

800-868-7822 (Villages of Van Buren, Inc)  
319-293-7111  
E-mail: info@villagesofvanburen.com  
Website: www.villagesofvanburen.com

### **Sunday, June 16**

Maquoketa Municipal Airport  
Rotary Fly-In Breakfast  
7 a.m. – Noon.  
All fly-in pilots eat free  
563-652-6517 (Brian Wagner)  
E-mail: maqcity@maquoketaia.com

### **Sunday, June 16**

Clarinda Flight Breakfast/Airshow  
Clarinda Municipal Airport  
7 a.m. – 10 a.m. (Breakfast)  
10:30 a.m.- noon (Free Airshow)  
712-370-0456 (Milo Beery)  
515-681-3458 (Floyd Taber)  
E-mail: floydflys@msn.com  
Website: www.clarindaairshow.com

### **Sunday, June 16**

Eagle Grove Municipal Airport  
Flight Breakfast  
7 a.m. – 2 p.m. (Breakfast)  
515-851-8031 (Rod Rasmussen)  
E-mail: Rodar1957@yahoo.com

### **Saturday, June 22**

Boone Municipal Airport  
Fly-In Breakfast  
7:30 a.m. – 9:30 a.m.  
RSVP two weeks in advance for free breakfast and transportation to local attractions  
515-432-1018 (Dave Morgan)  
Website: www.booneiowa.us (see Convention)

### **Saturday, June 22 - Sunday, June 24**

Quad City Air Show  
Davenport Municipal Airport  
563-285-7469  
E-mail: info@quadcityairshow.com  
Website: www.quadcityairshow.com

### **Sunday, June 30**

Pender, NE  
Fly-In Breakfast

## Iowa Department of Transportation Office of Aviation Calendar *Continued*

8:00 a.m. - Noon  
402-380-9882 (Paul Peters)  
E-mail: ppeters@skyww.net

### **Sunday, June 30**

Marion Airport  
Fly -in Breakfast  
6 a.m. – 11:30 a.m.  
Pilots in command eat free  
319-377-0457 (Jan Walton)  
E-mail: janwalton@earthlink.net  
Website: www.fly-iowa.com

### **JULY 2013**

### **Wednesday, July 3**

Dubuque Jaycees/Radio Dubuque Airshow and Fireworks  
Dubuque (McDonald Park on the Mississippi)  
5:30 a.m. – 10:00 p.m.  
563-589-4233 (Todd Dalsing)

### **Thursday, July 4**

Iowa Falls Municipal Airport  
Windsockers EAA 1324 Omelet Flight Breakfast  
7:00 a.m. – 11:00 a.m.  
PIC eats free  
Note: Riverbend Rally in Iowa Falls that day  
641-648-3191 (Airport)  
515-689-2194 (Travis Prochaska EAA 1324)  
E-mail: tprochaska@cityofiowafalls.com

### **Thursday, July 4**

Estherville Municipal Airport  
Flight breakfast  
7:00 a.m. – 11:00 a.m.  
Pilots/co-pilots free  
712-362-3541 (Airport)  
Website: www.estherville.org  
Thursday, July 4  
Corning Municipal Airport  
Flight breakfast  
7 a.m. – 10 a.m.  
Fly-ins and passengers eat free  
641-322-3243 (Adams County Chamber of Commerce)  
Email: adamschamber@frontier.com  
Sunday, July 7  
Northeast Iowa Regional Airport (Charles City)  
Flight breakfast

7 a.m.– noon  
Pilots in command eats free  
641-228-3553 (Bill Kyle)  
E-mail: ccaero@netconx.net

### **Saturday, July 13**

Zangger Vintage Airpark (Larchwood)  
Flight Breakfast  
7:00 a.m. – 11:00 a.m.  
605-370-1139 (Jim Zangger)  
E-mail: jzangger@alliancecom.net  
Website: www.zanggervintageairpark.com

### **Sunday, July 21**

Forest City Municipal Airport (FXY)  
Flight Breakfast  
7 a.m. - 11 a.m.  
PIC eats free  
641-581-2880 (Richard or Theresa Trimble)

### **Monday, July 29 - Sunday, Aug. 4**

EAA AirVenture  
Oshkosh, WI  
920-426-4800  
E-mail: communications@eaa.org  
Website: www.airventure.org  
Wednesday, July 31 - Friday, Aug. 2  
Clinton Municipal Airport  
International Cessna 150-152 Fly-in  
301-275-2476 (Mark Buchner)  
E-mail: www.cessna150-152flyin.org

### **AUGUST 2013**

### **Sunday, Aug. 4**

Cresco Municipal Airport  
Flight Breakfast  
7:30 a.m. – 12:30 p.m.  
All pilots and passengers eat free  
563-547-3434(Anna Schmauss)  
E-mail: anna.schmauss@cedausa.com  
Website: www.crescochamber.com  
Sunday, Aug. 4  
Humboldt Municipal Airport  
Rotary Club Annual Fly-In Breakfast  
7:00 a.m. - noon  
Pilots in command free  
515-368-1714 (Dave Dodgen)

# Iowa Department of Transportation Office of Aviation Calendar *Continued*

E-mail: [dave@growthland.com](mailto:dave@growthland.com)

## **Saturday, Aug. 17**

Marion Airport (C17)

Free Young Eagle Flights

Ages 8-17

9 a.m. – noon

EAA Chapter 33

319-393-6484 (Connie White)

E-mail: [rcwhite691@gmail.com](mailto:rcwhite691@gmail.com)

Website: [rwww.eaa33.org](http://rwww.eaa33.org)

## **Sunday, Aug. 18**

Monona Municipal Airport

Fly-In breakfast

7 a.m. – noon

Saturday, Aug. 24

FLY IOWA 2013

Planes, Trains, and Automobiles

Perry Municipal Airport

Website: [www.flyiowa.org](http://www.flyiowa.org)

## **Sunday, Aug. 25**

Iowa City Municipal Airport

35th Annual Sertoma Fly-In Breakfast

7 a.m. - 12:30 p.m.

319-338-9222 (Jim McCarragher)

E-mail: [jamesm@meardonlaw.com](mailto:jamesm@meardonlaw.com)

## **Sunday, Aug. 25**

Iowa Aviation Museum

Greenfield Municipal Airport (GFZ)

Fly-In / Drive-In

7:30 a.m. – 11 a.m.

Pilots in command free

641-343-7184 (Lee Ann Nelson)

E-mail: [aviation@iowatelecom.net](mailto:aviation@iowatelecom.net)

Website: [www.flyingmuseum.com](http://www.flyingmuseum.com)

## **Saturday, Aug. 31**

Abel Island Airpark, Guttenberg

Abel Island Fly-in, float-in, potluck & BBQ

Noon – 3:00 p.m.

2,600 ft turf strip / Mississippi River for seaplanes

319-480-0913 (Gary Fisher)

E-mail: [FlyinEyeDr@aol.com](mailto:FlyinEyeDr@aol.com)

Website: [www.abelisland.com](http://www.abelisland.com)

## **SEPTEMBER 2013**

### **Monday, Sept. 2 - Saturday, Sept. 7**

Galesburg, Il Airport (GBG)

42nd National Stearman Fly-in

309-343-6409 (Diane Stickle)

E-mail: [stearman@stearmanflyin.com](mailto:stearman@stearmanflyin.com)

Website: [www.stearmanflyin.com](http://www.stearmanflyin.com)

Saturday, Sept. 7

Council Bluffs Municipal Airport

Labor Day Great Plains Wing CAF Pancake Breakfast

8:00 a.m. -11:00 a.m.

PIC eats free

402-981-4633 (Jeff Hutcheson)

E-mail: [jeffhutcheson3@gmail.com](mailto:jeffhutcheson3@gmail.com)

### **Thursday, Sept. 12 - Sunday, Sept. 15**

Keokuk Municipal Airport

L-Bird Fly-In and Convention

Saturday morning flight breakfast

319-524-6203 (Donna Farrell)

Website: [www.lindneraviation.com](http://www.lindneraviation.com)

E-mail: [donna@lindneraviation.com](mailto:donna@lindneraviation.com)

### **Saturday, Sept. 14**

Faribault, Minnesota Municipal Airport

Flight breakfast

7:00 a.m. – noon

In conjunction with Airfest (Friday evening and all Saturday)

507-744-5111 (Bob/Linda Peasley)

E-mail: [dilligas@means.net](mailto:dilligas@means.net)

### **Monday, Sept. 16 - Tuesday, Sept. 17**

4 States Airport Conference

Kansas City Marriott Downtown

Kansas City, Missouri

Website: [www.4statesairportconference.com](http://www.4statesairportconference.com)



## EAA Chapter 135

Marc Broer  
6292 N.E. 14th Street  
Des Moines, IA 50313  
marc@countylineprinting.com

## 2013 Chapter 135 Officers and Board Members

### Officers:

President:..... Dave Kalwishky ..... 515-266-4001 .....dave@kalwishky.com  
Vice President: ..... Jim Zuehls .....jjzuehls@gmail.com  
Treasurer: ..... Alan Hummel ..... 515-961-7304 ..... hummel7304@gmail.com  
Secretary ..... Vacant  
Newsletter Editor: ..... Marc Broer ..... 515-288-4581 .....marc@countylineprinting.com  
Young Eagles Coordinator: .... Alan Core ..... 515-961-4524 .....indypurr@juno.com

### Board Members:

Richard Milburn.....515-834-2954..... rchrdmilburn@aol.com  
Ralph Briggs ..... 515-554-8187 .....rbriggs55@gmail.com  
Paul Reinke  
Todd Berger