



Communicator

Chapter 569

Lincoln, Nebraska

July 2005

Meeting Announcement

Date: Tuesday, July 5, 2005

Time: 1900hrs

Place: Don Shoemaker's hanger at Shoemaker Field, Denton Nebraska

Program: Annual Chapter 569 Picnic

It's picnic time! Bring your appetite, family, and friends. It is "pot luck" so bring a covered dish. The club will provide hot dogs, hamburgers, buns, and soft drinks. Be prepared to enjoy an evening of fine camaraderie and swap flying stories and other tall tails. We will meet in the hanger at Don Shoemaker's airfield, just west of Denton. Note that the time is 1900hrs, different from our regular meeting time.



This is the factory prototype Fisher Flying Products Avenger. Rich Boelts Avenger will be flying soon.

Our Project of the Month is Rich Boelts' Fisher Avenger

According to Rich Boelts the worst parts of building your own airplane are the difficulty of maintaining a time schedule and the frustration of the sheer magnitude of tasks to be completed. However the difficult parts are more than offset by the rewards of home building. In Rich's case, some of the rewards are the enjoyment and satisfaction of building the highly complex wooden wings and structures of his Fisher Avenger.

Rich's home built aircraft is coming along nicely, the wings and control surfaces are finished, and the fuselage is completed and on the gear. The engine has been mounted and the panel ready for installation. The current tasks are the varnishing of the wood structure, fabricating the struts, and rigging the wings. The near future should see the application of the fabric covering and the first engine start.

Two and a half years and 400 building hours have been lavished on the project. Completion and first flight are projected for October 2005.

Rich Boelts is an Electrical Engineer at Teledyne Isco. He and his wife Cindy have two children and five grandchildren.

Many years ago Rich began the pursuit of a pilot's license, but difficulty in obtaining a medical spoiled that plan. As an alternate he concentrated his aeronautical efforts on RC models. Fifteen years went by with the construction of evermore complex model airplanes.

One day the thought hit Rich that the time and treasure spent on the models would have

built a real airplane. An introductory ride in an ultra light trainer sealed the decision – he would abandon his modeling hobby to become a homebuilder.

After much study he selected the Fisher Avenger. His extensive modeling experience left him comfortable with the wooden construction and he appreciated the “real airplane” appearance and flight characteristics of a design that could be built and flown under the ultralight regulations.

Fisher Flying Products of Edgeley, North Dakota offers fifteen different light aircraft designs in high wing, low wing, one seat, and two seat variations.

The Avenger model is a single seat, wood structured, strut braced, low wing aircraft that can be built as an ultralight or experimental homebuilt. Engine choices range from the half-VW conversion to a number of different Rotax units. A removable canopy allows summertime open cockpit flying. The plane comes in a complete kit, less engine, with some of the wood parts and most of the metal parts precut. A fast build option is available.

The specs as given by the manufacture are:

Wingspan	27'
Cord	54"
Length	16'3"
Design Loads	+4 -2.5g
Gross Weight	600 lbs.
Building Time	400 hrs
VNE	95 mph
Cruise Speed	60 mph UL 80 mph EXP
Stall Speed	26-28 mph
Climb	400 fpm UL 900 fpm EXP
Takeoff	200' UL 100' EXP
Landing	200'

Rich’s version of the Avenger will be equipped with a 40 HP Rotax engine and a Warp Drive ground adjustable two blade prop.

A unique feature will be the BSR ballistic parachute. The chute is totally enclosed and out of sight within the airframe.

The rocket fires the parachute through the turtleback fabric if deployed.

Rich has been taking flight instruction while building his aircraft. He will complete his training as he finishes the plane. The planning includes qualifying for a Sport Pilot License sometime in the future.

The Avenger will first fly as an Ultralight and then it will be upgraded to a Light Sport Aircraft Experimental license to take advantage of added fuel and performance.



Rich Boelts with his Avenger fuselage.



The wings are crafted from hundreds of small pieces of spruce.

The background image on page 5 is Young Eagle Maya Peirce showing off her certificate with her pilot, Don Shoemaker.

A Great Time Was Had by All at the David City 4-H Young Eagles Event.

Seven Chapter 569 members, five aircraft, a number of 4-H Club members, siblings, parents and assorted townsfolk got together at the David City airport for an evening of flying fun on June 23, 2005.

The Go-Getters 4-H Club and Helping Hands 4-H Club participated in Young Eagle flights with organizational input by Leader Deb Dinkelman.

Pilots for the event were Dean Hoy with his Velocity, Don Shoemaker flying the Camair 480, Tom Trumble and the Cessna 172, Steve Lukehart in a Cherokee 180, and Tom Winter using his Cessna 150. Roger Aspegren handled the ground organization and processed the required paperwork.

Twenty new Young Eagles received their certificates. A few parents and younger siblings consented to fill some empty seats.

The EAAs had a great time and the 4-Hrs had a wonderful learning experience. The thank-yous were profuse, especially from the parents and leaders. Many of the adults expressed their amazement that the EAA Chapter would provide such a wonderful program at no cost to the kids.



Tom Winter flies them one at a time.



Dean Hoy taxis out with another load of Young Eagles



Steve Lukehart and three brand new YEs



Don Shoemaker brings back a flight. A little sister got into the picture.



Tom Trumble adds three more

Minutes of the Executive Committee Meeting on May 31, 2005

The meeting was held at Andy Lahr's home. Present were Andy Lahr, John Tenipor, Tom Henry and Dennis Crispin.

There is a move afoot to recreate Arrow Airport as a sport aircraft field. We feel that we should make some effort to lend our support. We will try to get advocate Larry Geiger to address the membership at a meeting.

The project tour at the next meeting is still in the organizational stage.

Nominations for students to attend the Aeronautical Exploration Camp must be completed by June 15.

Andy presented the idea of raffling off a hot air balloon ride as a chapter fund raiser. We will get information from the State, EAA, and legal counsel on the feasibility of raffles. An open question might be on the use of any funds generated.

Member Norm Sell has had a serious medical problem. We will send a card.

We have had some interest shown in the Chapter Webmaster post.

A short brainstorming session was held on preparation for the Christmas party.

Ideas were solicited for programs at future meetings.

We may find it desirable to schedule the August meeting/picnic on the second Tuesday of the month. Some members will not be back from AirVenture in time for our regular meeting date.

EAA's B17 Tour Coming to Nebraska Soon

Just a reminder that The EAA B17 Tour will be in our area in early July. This year the aircraft *Fuddy Duddy* is being used while *Aluminum Overcast* is under going extended maintenance. At the tour stops you can take a ride (for a large fee), crawl through the aircraft (for a small fee), or just walk around the airplane and look (for free). You are missing a bet if you haven't participated in the experience of this extraordinary bit of living history. Tour locations are:

North Platte	June 28
Grand Island	June 29
Omaha	July 1-3
Sioux Falls	July 5-6

You will find more information at www.b17.org or call 1-800-359-6217 to reserve your seat on a memorable flight.

Minutes of the EAA Chapter 569 June 2005 Meeting

The meeting was held on June 7, 2005. The membership met in the parking lot at the Crete airport for a brief informal meeting. President Andy Lahr sought the members input on our support of the proposed new Lincoln sport airfield. Ideas were solicited for pre planning of the Christmas party. We have two applicants for our scholarships to the ACE camp. No official club business was conducted.

We then proceeded with our annual builder's tour. The first stop was at Dean Hoy's hanger for a show and tell session on his Velocity. The group then traveled to Roger Aspegren's shop to view his soon to be completed RV9A. The final stop was at Rich Boelts's home where we were introduced to his Fisher Flying Products Avenger.

EAA Chapter 569 Upcoming Young Eagle Events

Aerospace Career Exploration Academy

Approximate date July 15

The Young Eagle rides may be longer and involve landing at Seward, Crete and back at Lincoln.

Sponsorship is by The Nebraska Department of Aeronautics and The University of Nebraska Kearney and Omaha

Contact Tom Trumble

All Girls Math Camp

July 19, 2005 1830hrs at Silverhawk Aviation.

Contact Tom Winter

Civil Air Patrol Open House

Open to public at Fremont Municipal Airport

September 10, 2005 0830hrs to 1300hrs

The event will be coordinated with Omaha Chapter 80 and York Chapter 1055. We will need pilots and airplanes.

Contact Tom Trumble

AirVenture Arrival NOTAM

If you are flying into AirVenture 2005 at Oshkosh WI you will need the Arrival NOTAM available at www.airventure.org/atc.

Things to do

EAA Chapter 569 Meeting
First Tuesday each month

Chapter 569 Breakfast
Third Saturday each month

Chapter 1055 Breakfast
First Saturday each month
York Nebraska

Wichita Air Capital Fly In
July 1-3
Eldorado, Kansas

EAA Chapter 1324 Annual Breakfast
July 4
Iowa Falls, Iowa

Northwest EAA Fly-In
July 6-10
Arlington, Washington

Rocky Mountain EAA Regional Fly-In
July 6 to 10
Watkins, Colorado

Colorado Springs Air Show.
July 9-10
Colorado Spring, Colorado

Roadrunner Flight Breakfast
July 10
Radcliff, Iowa

Dayton Air Show
July 16-17
Dayton, Ohio

2005 ILPA Fly-In
July 21-23
Keokuk, Iowa

Cessna 150-152 Club National Fly In
July 21-24
Clinton, Iowa

EAA AirVenture Oshkosh 2005
July 25 to 31
Oshkosh, Wisconsin

Abbotsford Air Show
August 12-14
Abbotsford, B.C., Canada

Fly-in Breakfast
Aug 21
Hartington, Nebraska

EAA Mid-Eastern Regional Fly-In
Aug. 26-28
Marion, Ohio

Cleveland National Air Show
September 3-5
Cleveland, Ohio

Reno Air Races
September 15-18
Reno, Nevada

Powerchute Extravaganza
Sept. 15-18
Columbus, Kansas

Nebraska State Airshow
September 24
Hastings, Nebraska

Rough River 2005
CSA (canard organization)
Fall fly-in
September 30 – October 2
Falls of Rough, Kentucky

Copperstate Regional EAA Fly-In
October 6 to 9
Phoenix, Arizona

US Sport Aviation Expo
October 27-30
Sebring, Florida

Fly-in/Airshow
OCTOBER 27 TO NOVEMBER 2
ACAPULCO, MEXICO

AOPA Expo
November 3-5
Tampa, Florida

Nebraska Aviation Symposium 2006
January 25, 26, 27 & 28 2006
Kearney, Nebraska



Navigational Aid for Picnic Goers

If you are driving to the Chapter 569 Picnic on July 5:

1. Drive to the village of Denton.
2. Go west on W 3RD St – 0.4 miles to SW 98th ST
3. Turn left onto SW 98th. ST – 0.7 miles to W. Yankee Hill Rd.
4. Turn right onto W. Yankee Hill Rd – 0.9 miles to 11115 W. Yankee Hill Rd.
5. Turn left on a lane that runs south approximately ½ mile to Shoemaker Field.



At the June breakfast Mark and Lorrie Novak brought Natalie and Nick in their Comanche.



At the June breakfast Don and Yvonne Shoemaker arrived in a Cherokee.

EAA Chapter 569 Breakfasts

Each month the members of Chapter 569 meet in the hanger at Crete Aviation for a morning of hotcakes and conversation. Individuals from the aviation community outside our club are most welcome. Fly in, drive in or walk in, we hope to see you for breakfast.

The next Chapter breakfasts are:

Saturday Chapter Breakfast
July 16 0800hrs to 1000hrs
Crete Aviation
Crete NE

Saturday Chapter Breakfast
August 20 0800hrs to 1000hrs
Crete Aviation
Crete NE

Have you sent your tool form to Alan Weigle? Check last month's newsletter if you have overlooked it.



At the June breakfast Tom Winter flew in with his Cessna 150.

Lester David to be Memorialized on the Wall

Last winter our Chapter elected to procure a plaque on the EAA Memorial Wall honoring departed member Lester David.

This year's dedication ceremony for those honored on the wall will be held during AirVenture 2005 on Sunday, July 31 at 1100hrs.

There will be a number of our members at Oshkosh, so let's all try to meet at the wall for the dedication.

The Memorial Wall is in the area east of the museum and Pioneer Airport near Fergus Chapel and Compass Hill.

To Chapter 569 members attending AirVenture 2005.

Each year a good many of us attend the festivities at Oshkosh, but we never seem to get together.

With this in mind I'll volunteer to be the club's message center.

My usual camp site is in the Camp Scholer west woods about 150 to 250 yards straight north of the camp locator shack. Look for a popup camper trailer and a brown Ford pickup with Nebraska license plates.

You will find more precise directions at the camp locator service. If you are camping be sure to fill out your locator card and put "Chapter 569" on it so that the computer can readily sort you out.

Dennis Crispin

Many Rare and Unusual Aircraft to be on Display at AirVenture 2005

The list just keeps getting bigger and bigger. The historic and one of a kind airplanes scheduled to appear at Oshkosh now include:

SpaceShipOne
White Knight
Global Flyer
Vickers Vimy World War One Bomber
Dornier DO-24-ATT 1930's German flying boat
Sikorsky S-38 amphibian
Johnson's Wax "Carnauba"
One B29
One B24
Five B17s
A bunch of B25s
The FAA's DC3 N34

On top of this there are always a number of new designs by homebuilders and commercial manufacturers. Of particular interest will be the world debut of the *HondaJet* a prototype advanced, lightweight, compact business jet.

VVV-Avia of Samara, Russia will introduce the *Sigma*, a new light sport aircraft made of aluminum with a composite surface.



At the June breakfast Doug Prange came in his Cessna 150.

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