

EAGLE'S PROPWASH

August 2005 Issue



CHAPTER 113

"The Backyard Eagles"

Mettetal Airport (1D2), Canton, Michigan



Bob Wagner's Mustang II

Our Web Site: www.eaa113.org

Meetings: 7:30 p.m. the 3rd Thursday of each month at the

NEW EAA113 AVIATION EDUCATION CENTER!

EAA113@yahoogroups.com



Next Meeting: Thursday, August 18, 2005 at 7:30 p.m.

Speakers for the August meeting are Robert & Jennifer Rice founders of Great Commission Air. Robert & Jennifer are both pilots and provide aviation support to missionaries and humanitarian relief to the people in underdeveloped areas of Guatemala. There will also be a demonstration of a new cleaning product for aircraft from Simple Green.

EAA Chapter 113
Mark Freeland
42636 Faulkner Drive
Novi, MI 48377

Member Services

President: Dave Buck (734) 453-5375

Vice President: John Maxfield (248) 348-1417

Secretary: Bob Wagner (313) 274-8292

Treasurer: Grant Cook (734) 769-2432

Membership Committee:

-Chairperson:

-Roster: Mark Freeland (248) 624-9654

-Dues: Grant Cook (734) 769-2432

Technical Advisors:

Joe Hillebrand (480) 895-6314

Randy Hebron (734) 326-7659

Dave James (734) 721-4213

Flight Advisors:

John Maxfield (248) 348-1417

Bob Wagner (313) 274-8292

Dave James (734) 721-4213

Scholarships: Howard Rundell (248) 344-1969

Library: Bob Paulson (313) 274-2853

Young Eagles:

Dave James (734) 721-4213

Debbie Forsman (734) 397-3452

Bald Eagles: Mark Freeland (248) 624-9654

Refreshments: Lynn Stone (734) 422-8172

Newsletter: Dion Zammit (734) 718-6912

<mailto:dzammit@ameritech.net>

Aviation Center Management Committee:

Al Bosonetto (734) 261-5518

Dave Buck (734) 453-5375

Bill Brown (734) 420-2733

Bob Skingley (734) 522-1456

Board of Directors:

Al Bosonetto (734) 261-5518

David Forsman (734) 397-3452

John Maxfield (248) 348-1417

Pete Waters (248) 437-4244

Bill Brown (734) 420-2733

Dave James (734) 721-4213

Mike Scovel (313) 462-1176

Pat Charles (734) 495-1878

Mission Statements Chapter

"EAA Chapter 113's major focus is on the relationships with people who have diverse aviation interests, centered around their love of flight, fellowship, learning and fun. Chapter members have a passion for flying and are willing to share it with others. Chapter 113 provides the opportunity for exchange of information as well as the interaction that leads to friendships that last a lifetime."

Board

"The Board of Directors are to provide both advice and assistance to the chapter officers on an ongoing basis."

President's Podium



Dave Buck (734) 453-5375
dbuck19208@aol.com

July 9th had about thirty Chapter members leaving after breakfast via auto and plane to Kalamazoo for a tour of the Air-Zoo. What a great trip. In the museum area Dave James gave us the history of the Hiller UH-12 that is on display. This helicopter is owned and was restored by Dave, and is currently on loan to the Air-Zoo. A private tour of the museums restoration area revealed a new Ford Tri-motor recently made in Vicksburg Michigan. This has to be one of the ultimate homebuilts. Thanks to Dave James for arranging a really fascinating tour.

The July Picnic/Splash-in was held at Whitmore Lake and was hosted by John & Susan Maurer at their home. We had hotdogs, watermelon, lots of delicious deserts, swimming, and boating. Randy Hebron in his amphibian, and John Maurer in his J3 floatplane were kept busy giving plane rides off the beach. What a life to live on the lake and have your plane in the backyard. Thanks to Randy for arranging the event, and to John and Susan for opening their home to us.

Been in the Chapter House lately? Check out the new lights in the meeting room.

Dave Buck

It only takes two things to fly, airspeed and money.



More Than Just Paychecks.

Automated Resource Management Inc.
 6553 Jackson Rd.
 Ann Arbor, MI 48103
 www.armipay.com

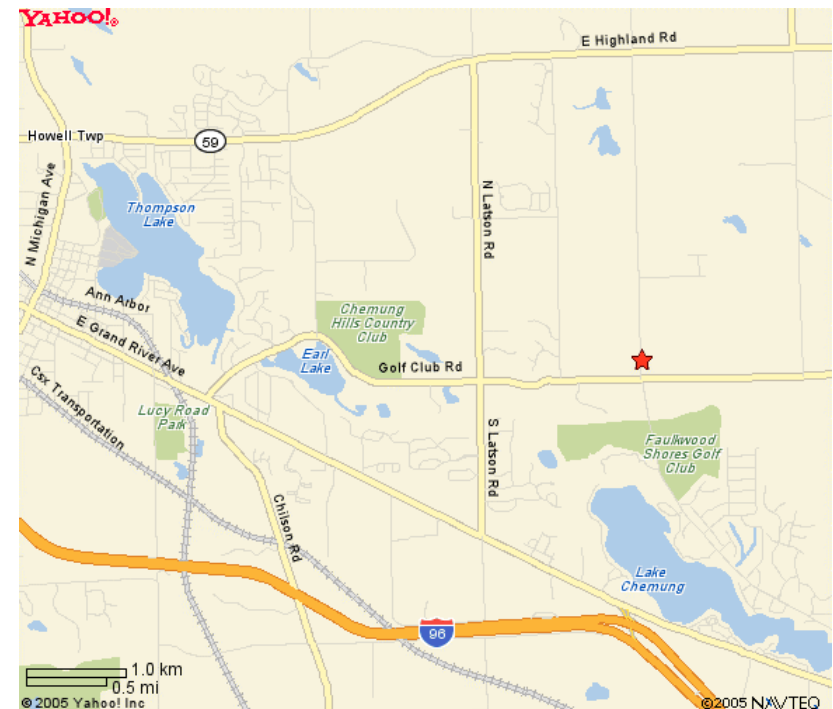
Phone: (734) 994-6121 FAX: (734) 994-0649

McKenzie's Corn Roast

In cooperation with EAA Chapters 384 and IAC 88, Dave and Nancy McKenzie will be hosting their Annual Corn Roast, which will be held at their airfield "McKenzie's Landing" at 152 Hughes Rd., Howell, Michigan. This event will take place on **Saturday August 27th, 2005**. **Festivities will start at 1:00pm.** Dave notes you are welcomed to arrive at 12:00 noon to help set up. As Dave would say, "No AI-Key-hol". Please bring a comfortable chair and a dish to pass. Dave also recommends you bring your own liquid refreshments such as pop for the ice bucket. Please park on the north side of the driveway or on the road. No motor vehicles on the runway! Call Dave McKenzie at 517-545-8888 should you have any questions. If you're flying in, the coordinates are N42 36.120 W83 51.490 and the field elevation is 955' MSL. The airport identifier is 1MI5. Use a south traffic pattern: left traffic for Runway 27 and right traffic for Runway 09. No flying during the peanut drop, which will happen at approximately 5:30 pm.

Driving Directions:

1. Take **I-96 WEST**
2. Take exit **#141** toward **HOWELL** - go **0.2** mi
3. Turn **L** on **E GRAND RIVER AVE** - go **1.0** mi
4. Turn **R** on **S LATSON RD** - go **1.0** mi
5. Turn **R** on **GOLF CLUB RD** - go **1.0** mi
6. Turn **L** on **N HUGHES RD** - go **0.1** mi
7. Arrive at **152 N HUGHES RD, HOWELL**, on the **R**



CONGRATULATIONS!

Shunsuke Shibata made his first solo flight on Friday, July 22nd, 2005. Happy Landings!!!

Calendar of Events

Saturday Morning Breakfast

Every Saturday 8:30am at the Coney Island on Lilley Rd. across the street from Mettetal airport.

OASIS Camp Group Aviation Education Days

August 6th and August 13th

Volunteers and alternates needed for this outstanding program at the EAA Chapter 113 Aviation Education Center. Children will learn about the basics of aerodynamics, weather, navigation and each will receive a Young Eagles ride. A sign-up sheet is located in the Chapter 113 meeting room. **For further information, contact Dave James (734) 721-4213**

2005 Fly-ins

McKenzie's Annual Corn roast – Howell, MI August 27th, 2005 at 1:00 PM.

Mustang Aeronautics Open House – September 17th, 2005 10am-5pm (rain date, Sunday the 18th), Oakland Troy Airport (KVLL, formerly 7D2)

EAA 113 – YAHOO! To access our YAHOO Group Site, go to <http://groups.yahoo.com/group/EAA113/> New users click "SIGN UP." Already a member of a YAHOO Group? Click "JOIN THIS GROUP" You'll have to sign in every time to access all the features. Contact John Maxfield for further information.

Konstruktor's Korner

Pete Waters (248) 437-4244

pete@kraftmidwest.com

The balmy days of the summer are here... and I am moving my Nieuport 17 to Cackleberry Airport this week.

All my taxiing and fuel testing sessions are over, time to fly the bird. Joe and I visited the strip and contacted the owner, who lives down the road. It would be no problem, with many tie-downs in the long grass. I took the weed-whipper and found them!

Other news, Richard Hensley has his Dezaire back from service at New Hudson, never to go there again! Ask him the situation.

This month's photo is of Gerry Hubert's Steen Skybolt, now with the wings ready to be fit at his home. He lives in Westland, and the plane is in the garage.



Gene Letourneau has his nearly finished AVID MKIV all packed for the move to North Carolina, and we shall miss his presence at the meetings.
Pete Waters

The Mustang II and Midget Mustang

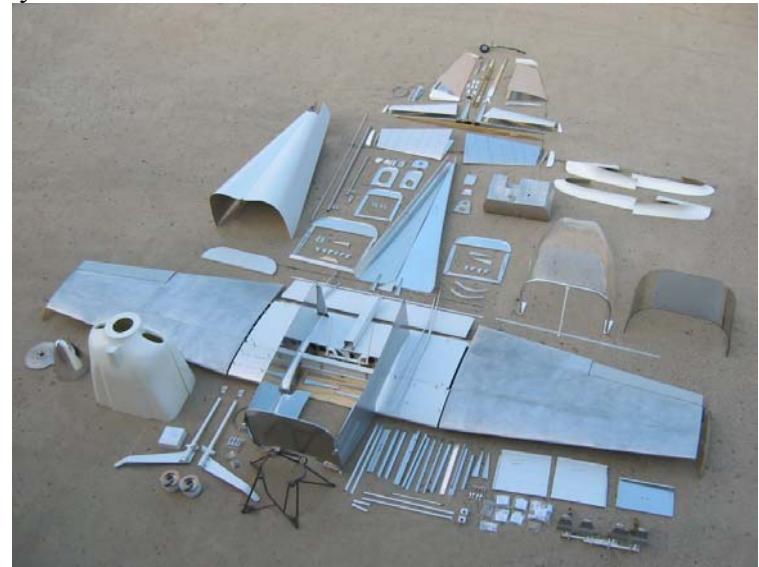
We've all seen Chapter 113 member Bob Wagner's lightning-fast Mustang II quickly disappearing from view as it speeds away after departure. Did you know the Mustang II is now available in a quick-build kit and the kit manufacturer is located in our own backyard? Mustang Aeronautics is located in Troy, Michigan and will be hosting their annual Open House at Oakland-Troy Airport on September 17th 2005 (rain date, Sunday the 18th). They manufacture kits for the single-place Midget Mustang and the two-place Mustang II. In 1948 Dave Long, chief engineer with Piper Aircraft at the time, designed and built an all-metal racer, which he called the Midget Mustang. He went on to build a prototype production aircraft and had made an arrangement with Schweizer Aircraft to produce the design before his untimely death in 1950. The Midget Mustang is well known for its air-racing legacy during the late '40s and early '50s. In 1959 Robert Bushby purchased the rights to the design along with the tooling, form blocks, etc. Some of these form blocks are still being used for the M-I bulkheads today. Bob began to sell prints for the M-I and as the demand for the aircraft increased material kits were offered for sale as well.

Designer David Long - Lockhaven, PA with the Midget Mustang



In 1963, Robert Bushby began work on a two-place design based on the Midget Mustang. In 1965 the first ever Mustang II was brought to the

EAA convention at Rockford (by trailer). In 1966 the prototype was flown to the convention and was well received. Mustang Aeronautics, Inc. acquired the design rights from Robert Bushby in March 1992 for both the Midget Mustang and Mustang II aircraft. The president of Mustang Aeronautics is Chris Tieman. Chris earned a degree in aerospace engineering from the University of Michigan and has a background in metal fabrication. He acquired his pilot license in 1986 and soon began looking for something to build that was faster and more economical than the average factory airplane. The Mustang II was the best choice for the desired requirements so plans were purchased and construction started. When Robert Bushby decided to retire in 1992 Chris' hobby of home kitplane builder became his profession. His background in aeronautical engineering and architectural aluminum are evident in today's complete kits that have reduced build times dramatically. New manufacturing processes have simplified the kits yet still maintained the economy of the Mustang through improved manufacturing efficiency. Mustang Aeronautics acquired a CNC machine and kits now include many pre-punched skins. The quick-build kits are very complete and will cut build times considerably. Mustang Aeronautics can now custom cut instrument panels if you provide a .dxf drawing file. Cost varies with complexity but is typically about \$75.



The quick build Mustang II kit

Mustangs are known for their blazing speed. The February 2004 edition of Kitplanes magazine featured Brian Schmidtbauer's 250 MPH Mustang II. With slick aircraft like this gracing the pages of major magazines, the available folding wing option, and excellent quality kits that are now available, interest is increasing and we'll likely see more of these aircraft flying into Oshkosh every year!



Brian Schmidtbauer's 250 MPH Mustang II

The Mustang Open House will be held at Oakland-Troy Airport (KVLL, formerly 7D2) adjacent to the terminal building. Fly in or drive. Demonstration flights in the Mustang II will be available. Transportation to the factory for tours and hands-on riveting demonstrations will be provided. Grilled hamburgers and hotdogs, etc. will be available (Mustang pilots eat for free). DJZ

Mustang Aeronautics, Inc.
1470 Temple City
Troy, MI 48084
(248) 649-6818
www.MustangAero.com

MUSTANG II N791RW OWNED BY R.C. WAGNER

(See cover photo)

The Mustang II is an aluminum construction, low wing, two place, side-by-side, single engine, land airplane.

N791RW first flew in 1979 after 9 years of building time.

The engine used is a carbureted Lycoming 0-320D2C rated for 160 horsepower. It was 0 time when installed, and now has approximately 900 hours.

The original propeller installed was a Cassidy "Pacesetter" wooden propeller. It was replaced in 1985 with a Hartzell aluminum, constant speed propeller. The cowling was also modified at that time to match the new propeller and spinner. The canopy is a bubble type. It was remounted twice because of excessive leakage. It now is both air and watertight.

Numerous fairings and seals were added after the initial flights to reduce drag. Also, a cowl flap and numerous vanes and baffles were added to reduce cooling air drag.

Electric trim tabs are provided for both the elevator and ailerons.

The aircraft is now equipped for both night and instrument flying, and is stressed for limited aerobatics. A "Navaid" wing-leveler is installed which is coupled to a GPS for automatic course control.

Fuel is carried in a main 24-gallon fuselage tank and two 5-gallon wing tanks, giving a range of approximately 700 statute miles, with reserve.

The aircraft has participated in "Sun 100" races, in the years 2000, 2001 and 2002, in the 160 horsepower, non-retractable class, and took 1st place in its class each time.

The Mustang II is an excellent cross-country machine. It trues out at about 190 miles per hour and stalls at about 60 miles per hour. N791RW has been to the west coast, east coast, Florida, Texas, Oshkosh and numerous local fly-ins.

Chapter Activities

The OASIS Camp Group Aviation Education Days offer area youth a chance to experience hands-on aviation!



Don Zimmerman talks an enthusiastic young camper through takeoffs, turns and landings in a hangar flying session in the Kitfox.



Now let's try it on the simulator!

The behind-the-scenes tour of the Kalamazoo Air Zoo was awesome!



The stories behind the restoration projects were as fascinating as the projects themselves!



The outstanding craftsmanship of the skilled volunteer workforce is evident throughout the restoration area!

**The Splash-in was a blast with great food, great company,
and a seaplane ride for anyone who wanted one!**



Aircraft for Sale

Avid Heavy Hauler with Trailer - \$20,000
N885WK, many extras – pictures/specs on bulletin board
in Chapter 113 Meeting Room.
Howard Willson
(734) 260-1718
308 Skydale Dr.
Ann Arbor, MI (off Pontiac Trail)

Zenith 601HDS homebuilt
Here's a Sport Pilot plane, 200 hrs, Rotax 912, \$20,000
Mike Dierker
SYSTEMS & ELECTRONICS INC
201 Evans Lane
St. Louis, MO 63121
Voice: (314) 553-4636
Fax: (314) 553-4114
Email: mdierker@seistl.com

