

September 2022 Newsletter Volume 46, Number 9

The Static Line

Leroy Castle Memorial EAA Chapter 538 Phoenix, AZ

Website: https://chapters.eaa.org/eaa538
Email: eaa538board@gmail.com
www.facebook.com/eaa538



Monthly meeting are the second Tuesday of every month starting 6:30 P.M. At 7856 North Glen Harbor Blvd.. Glendale.

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2022 CALENDAR

September 13, 2022

October 11, 2022

November 8, 2022

December 13, 2022

2022 CHAPTER OFFICERS / DIRECTORS

President – Darren Henley Email: p51bldr@yahoo.com

Vice President – Tad Daughters Email: tadens (@) (cos.com

Treasurer — John Gregg
Email: jigregg.fr@gmail.com

Secretary – Alexander Bodak III Email cpucoach wyahoo.com

year Director — Stuart Snow Email: stuartsn.ss@gmail.com

2 year Director - Mike Hauser Email: azgtrma (@) 1100.com

year Director - Tom Velvick Email: tomvelvick@cox.net

Newsletter Editor – Alex Bodak Email: cpucoach@yahoc.com

Webmaster – Carlos Hernandez Email: pazmany.ch@gmail.com

PRESIDENTS SEPTEMBER REPORT

Welcome EAA Chapter 538 Members, Family and Friends.

September is here. Notice the weather has been cooling down. We have had a relatively mild July and August as the temperature over 110 degrees were relatively rare. Now the forecast has temperatures less that 100 degrees for the next two weeks. This will be welcome as I have a tree to take out and some new ones to plant. This will require some pick and shovel work to dig the 4x4 holes for planting. This is something that my back is not looking forward to. My soil is filled with large rocks which my back feels every time the pick strikes one of them. It is necessary work to do with my progressive landscaping project. It is also time to get out and enjoy the cooler weather as we have a number of activities lined up.

Fall is the time that we plan on electing new membership. We are looking for anyone willing to participate in a nominating committee. Their purpose is to canvas the membership to see if anyone is willing to become one of the officers or board members. If anyone wishes to hold one of these positions, let us know and we will add you to the nomination list. Next month is when we nominate persons and our November meeting is when we elect the new officers. The success of the chapter comes from the membership so please take the opportunity to participate.

We would like to begin some workshops for aircraft building. The first one is related to aluminum aircraft construction. The Sonex project is currently located in Carlos' hangar. This will be to build the wings for this aircraft. The second project is the STOL King. One wing needs to be built. Included were the spars and completed ribs. This will be an example of wood construction. We are gauging interest to see if anyone wishes to help with the build project. I expect this to be a lot of fun learning some new skills.

We have been asked to provide the Pancake Breakfast at the Stellar Airport Young Eagles Event. This will be in early December. I will confirm this next meeting if we are able to support them. They provide all of the supplies, and we supply the tools and manpower. Any donations we receive will benefit the chapter. We have supported them the past several years and I wish to continue that support. It is a fun event and we get to meet people and look at a lot of airplanes. We need helpers for this. Let us know.

November is also our own Young Eagles event. Cheri always brings 50 to 70 kids to this. If anyone wishes to help out let us know. As usual, we need ground crew and pilots. We really need pilots as an event like this usually takes about 10 aircraft or more to accomplish. You must complete the EAA Youth protection program and it also takes a couple weeks after to complete the vetting.

We have been asked by Chapter 883 to help with their Young Eagles Event. They haven't had any for the past couple of years and are looking for help to restart their program. It will be held at the Bagdad Airport and are looking for pilots. It will be in early October, there is not a lot of time to respond. Cheri will have more information about this.

As usual, we need monetary help with the hangar project. Your help is greatly appreciated. Hope to see everyone at the next meeting.

Example of a Starduster II



SECRETARY'S MINUTES FOR AUGUST 2022

There are no minutes for August. Instead the Tuskegee Airman put on a meet and greet.



When Van's Aircraft announced its first high-wing model, the RV-15, at AirVenture 2021, many in the experimental aircraft community were understandably shocked. The company had traditionally designed low-wing models only. On Monday, July 25, 2022, Van's brought the aircraft out for public display at EAA AirVenture Oshkosh.

Rob Heap, EAA 824015, director of engineering for Van's Aircraft, emphasized that there are no published specifications for what he described as a "pencil sketch in flight" designed to validate the design. With about 45 hours of test time completed, including the flight to Oshkosh, the stated goal was to test the aircraft safely, get it to Oshkosh, and get it home to Aurora, Oregon, again for further



testing and modification. Heap emphasized Van's "wants the airplane to be right before shipping kits to customers."



NEWS & EVENTS

- NOTICE NOTICE -

CHAPTER MEMBERSHIP REMINDER:

2021 DUES ARE NOW DUE!

PLEASE BRING YOUR \$20

CASH/CHECK/PAYPAL. YOUR DUES

RUN FROM JAN 1 TO DEC 31 OF

THE YEAR. GO TO THE LINK

BELOW. ALSO, DARREN'S \$100

HANGAR DONATION CHALLENGE!

https://chapters.eaa.org/eaa538 /join-or-renew-chapter-538



Larry Polhill's Fairchild

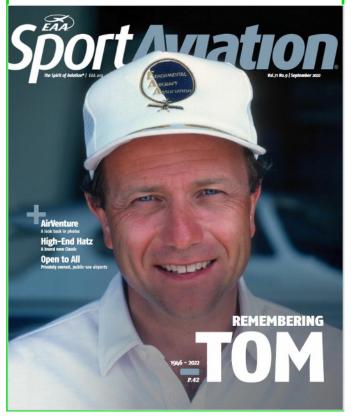


2022 SEPTEMBER WALLPAPER CLICK PHOTO FOR SEPTEMBER 2022 WALLPAPER



2022 SEPTEMBER SPORT AVIATION MAGAZINE

CLICK PHOTO FOR FEB. 2022 SA MAGAZINE



PLEASE TAKE THE END OF YEAR

CHAPTER SURVEY FROM EAA.

Chapter Survey

This year's chapter survey is now open! Please complete the chapter survey here and be sure to forward it on to your members and encourage them to complete it as well. In addition, a standalone email will be forwarded to all chapter leaders which can be shared with your members. Consider including the survey link in your next newsletter. The survey not only provides valuable information to help you to improve your chapter, but it can also assist the chapter in gaining credit toward the Chapter Recognition program when at least 20 percent of your chapter members engage in this short survey.

Click on the web address listed below. There are 10 questions. Thanks for your help.

https://www.surveymonkey.com/r/MS9JT8Q

<u>– NOTICE NOTICE –</u>

Chris Rute will loan his airplane scales for a donation to the chapter.

Members Information

John Gregg has us registered for amazon smile. https://smile.amazon.com/

When you log into the Amazon Smile site, you must select the charity you are supporting, 538. You will see this area in the black upper band middle of the screen. Note: Currently, Guide Star, the company that Amazon uses to verify qualified charities only utilizes the first line of our name: "EAA 538" is used. Once on the Amazon Smile site, you will order as usual. **Thanks John Gregg Jr.**

WEBINARS FOR SEPTEMBER 2022 URL:

HTTP://WWW.EAAVIDEO.ORG/CATEGORY/VIDEOS/WEBINARS

September Webinars

Homebuilt Aircraft Judging 101

TUESDAY, SEPTEMBER 6, AT 7 P.M. CDT

Presenter: Dave Juckem

Register >

What Price Speed?

WEDNESDAY, SEPTEMBER 7, AT 7 P.M. CDT

Presenter: Mike Busch | Qualifies for FAA WINGS and AMT credit.

Register >

The Treasures of Pioneer Airport, Part 1

TUESDAY, SEPTEMBER 13, AT 7 P.M. CDT

Presenters: Chris Henry and Ben Page | Museum Webinar Series

Register >

Crosswind Conundrum — When Winds and Runway Don't Align

WEDNESDAY, SEPTEMBER 14, AT 7 P.M. CDT

Presenter: Prof. H. Paul Shuch | Qualifies for FAA WINGS credit.

Register >

WEBINARS FOR SEPTEMBER 2022 URL: HTTP://WWW.EAAVIDEO.ORG/CATEGORY/VIDEOS/WEBINARS

FAA Enforcement Process

WEDNESDAY, SEPTEMBER 21, AT 7 P.M. CDT

Presenter: James Cooling and Alan Farkas | Qualifies for FAA WINGS credit.

Register >

Flying With Datalink Weather — ADS-B and SiriusXM Tips

WEDNESDAY, SEPTEMBER 28, AT 7 P.M. CDT

Presenter: John Zimmerman | Qualifies for FAA WINGS credit.

Register >

Young Eagles Special Programs Announced

Recent Articles

General Aviation Moves Closer to an Unleaded Future September 01, 2022

EAA Pushes For LODA Reform September 01, 2022

Aircraft Raffle Winner Picks Up Cub

September 01, 2022

EAA Chapter 1155 Honored

Special Young Eagles Rally This Weekend in Batavia, Ohio

August 10, 2022

Believe it or not, the EAA Young Eagles program is now in its 30th year of providing free introductory flights to kids ages 8 to 17! This is all thanks to the efforts of 50,000 dedicate volunteers. The Young Eagles 30th Anniversary was officially launched at EAA AirVenture 2022, but the year-round participation by EAA members is what will make this celebration special!

To celebrate the Young Eagles 30th Anniversary and to launch the program into the next three decades, EAA is excited to announce a number of special Young Eagles programs.

Young Eagles 30 Flight for 30 Years - Any Young Eagles pilot that flies 30 Young Eagles from August 1, 2022 to July 31, 2023 will be awarded a commemorative Young Eagles 30th Anniversary polo shirt. EAA will track these flights, and contact the pilots as they reach their milestones.

you are celebrating this Young Eagles milestone, and doing your part to ensure a strong future for aviation.

Pilots can follow along with their progress and the progress of other pilots using the World's Largest Logbook and the Young Eagles 30th Anniversary webpage.

Recognition for Ground Volunteers – Young Eagles ground volunteers are the unsung heroes of the chapter rallies hosted all over the county! To show appreciation for these volunteers' efforts, Young Eagles coordinators can order commemorative Young Eagles 30th pins as recognition items for chapter ground volunteers at EAA.org/YE30.

New Young Eagles Pilot Drawings - EAA is actively recruiting new Young Eagles pilots. The fact of the matter is that there will always be aspiring aviators looking to take flight for the first time, but there will also be a need for more volunteer pilots. This is where EAA members can make a difference in the future of aviation.

All first time Young Eagles pilots, who fly their first Young Eagle between August 1, 2022 and July 31, 2023, will be entered in a monthly basis to win a Lightspeed Zulu 3 headset!

Double Young Eagles Credits for EAA Chapters – To encourage chapters to participate in the Young Eagles 30th Anniversary, and host additional rallies, EAA will be offering double Young Eagles credits (\$10 per flight) to chapters from January 1, 2023 to July 31, 2023.

Young Eagles credits are accrued on a calendar year basis, and can be redeemed the following calendar year for a wide variety of items that improve the Young Eagles program. This includes sponsoring Air Academy attendees, supplies/equipment to improve the chapter's Young Eagles program, Young Eagles Workshop kits, and Young Eagles Build and Fly kits. Learn more at EAA.org/YECredits.

For Sale Bradley Aerobat Kit. Left as is, Right picture completed,

Company Info - no longer selling kits.



picture

Sonex two place Airplane Kit for Sale



I would like to put this out to the EAA chapter membership that I have project space available in my hangar at Deer Valley. I currently lease a small T hanger but I only have my Laser in it currently. I am prohibited from "subletting" the space, but I would be happy to host an EAA member and their project in my hangar for a small monthly offset. I have plenty of open space. Eric Moore

480-436-0192 ericmoore68@gmail.com

Tom Parten quit flying and has his 6 Cylinder Sonex

(Tail wheel) here on Thunder Ridge Airpark AZ 28.

If you know anybody looking for a good deal contact Bertha Partin

<bmpartin@gmail.com>



For Sale Project: Stol King

My friend Cora Lee in Del Norte, Colorado lives on the airport at KRCV East slope of the rockies East of Wolf Creek pass. Astronaut Kent Rominger airport.

She is is selling her airport hangar, paved taxiway. Metal, concrete floor, power. 42' by 30' with a motor operator pull up hinged folding door. Right now I think her price is around \$65,000. Her number is 719 - 657 - 0846. If anyone has any other questions or can't get hold of her they can call me.

Rodney at 623-640-4704

Leave a message due to robocalls.

I am a former member of Chapter 538 and still receive your newsletters. I am no longer an active pilot or builder and have several items I hope someone can put to good use. Here is a list:

Tail Dragger used to move easily RV aircraft

Garmin 396 portable GPS (works well but data base is out of date & battery not charged)

- 2 Lightspeed 15/20XL noise canceling head sets (one needs new gel ear cups)
- 1 David Clark H20-10 headset (not noise canceling)
- 1 FlightCom 5DX headset (not noise canceling)

Aerox 13 cu ft oxygen cylinder with carry case and masks

If anyone has interest in these items please let me know.

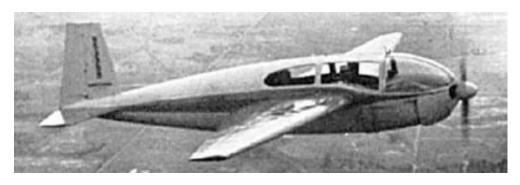
Gary Graham pince@cox.net 602-617-7573

AZ Skypark home on 2 acres, 2 story, 3 bedroom 2,700 ft sq. 500 ft sq basement. Camp Verde, Montezuma Airport (19AZ) Lighted 3300' x 60' paved runway and taxiways View of Mingus Mtns and Verde Valley, 40' x 50' attached hangar, 29 panel solar electrical. Motorhome carport.

Howard & Elaine Ginn, 2540 Piper Ave, Camp Verde, AZ 36322 520-252-5555 \$575,000 Tony

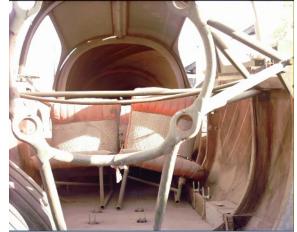
INCOMPLETE THALMAN 4, WOOD, METAL, FIBERGLASS

CONTACT CURT CURTIS - EMAIL - CURTCURTIS @ Q. COM





T-4 1953 = 4pChwM rg (manual); 135 hp Lycoming O-290; span: 40'0" load: 1050# v: 175/155/45 range: 700. All-wood geodetic construction. [N53389]. Later converted to T-tail with 170 hp O-340. Price FREE.













ADDITIONAL ITEMS FOR SALE FROM CURT CURTIS

These shelves are listed on craigs list at \$60. They are free to a club member. Also a two pedestal desk and a metal work bench. the shelves 18 in. wide 3 sections for a total of 9 ft. long. contact CURT 602 809 4446. PRICE = FREE

I have some instruments and landing gear legs, plus wheels. I'm asking \$100 for each. but i need to send the message that they are for sale at any price. They need a home. Also I have some wheels and stuff.













This is Karen Hausteen, we have met a few times at various events and meetings. Anyway, I have a few items that I would like someone to purchase or take if they could be used. I am not sure how to let you and the EAA chapter know, but here is the information:

2 pairs of yokes, from a Cessna 172

1 set of rudder pedals, from a C 172 also

I also have a few avionics items - not sure what and if they even work.

Anyone that is interested can call me and we can arrange for the items to be seen at my hanger at DVT.

Karen Hausteen

760-898-6641



RV-6A S/N 60271 SPECS & DETAILS. Please contact **Ed Daror via email: 72ae@cox.net.** Aircraft built by owner A&P/IA and Flight Tested and FAA certified as N72AE In December 2003 for Day, Night, VFR, IFR operations at 1800 Lbs. Gross Aircraft Weight for Normal and 1400 Lbs. Aerobatics. Present Aircraft, Engine and Propeller Total Time in Service since new: 212 Hours.

ENGINE: Lycoming Factory new 0-360-A1A 180 H.P. with Slick Electronic Ignition.

PROPELLER: Hartzell Constant Speed factory new Model HC-C2YK-1BF / F766A-4.

AVIONICS: Garmin GNC 300XL GPS/COM and ILS Indicator and a function unit, Narco 12D+ Nav/ Com and an ILS Indicator, Narco AT 150 Transponder, Garmin GMA 240 Audio Panel/Intercom,

UAvionix ADS-B Out Bundle. All with separate antennas. ElLT with remote Switch/indicator. Autopilot: NAVAID Tru-Track coupled to GPS.

COMPASS: Vertical. FLAPS: Electrical. PITOT TUBE: Heated. Landing Lights: Dual. Wing Strobes: dual.

CARBURATOR: Temperature Gauge, THROTTLE, PROP, MIXTURE controls: Vernier type, Cabin HEATER and ventilation controls, AEROBATIC HARNESS: Hooker 6 point on both seats, STEPS: on

both sides.



INSTRUMENTS: All with internal controllable illumination. NOSE WHEEL: Improved Bearings by Splats recently installed. BRAKES: Cleveland dual sides. AIRCRAFT CONTROLS: Stick type with Mike buttons.

This aircraft has and is always bangared at

This aircraft has and is always hangered at DVT in Phoenix, AZ. Engine is protected with preservative. Aircraft is presently Airworthy. ALL Van's Aircraft Service Bulletins complied at last annual CONDITION INSPECTION on December 12th, 2021. ADS- B needs to be rechecked in flight with FAA- ATC procedure.



1. GRT, MGL, Dynon and Edge Performance Engine/Mod's available with Chapter Call Jack Norris, AZ Aeroservices 703-307-6775





2. An Arion Lightning is a project ready for a quick completion. It is an E/A-B.

It was originally intended to be a speed mod test aircraft (short wing Lightning). It does have one speed mod integrated into the airframe which is a gap seal on the underside of the wings.

It has a "0" time USA distributor overhauled Jabiru 3300A engine. It is a Gen3. It has 30 gallon tanks. The burn rate on the Jabiru is ~5 gph, so you have over 5 hours of flight time with a reserve.

It has several used components from other aircraft. It has a new Sensenich ground adjustable propeller. There is an extra wiring harness pre-run in the event that we decided to install a supercharger. The supercharger is still in the testing stages, so not available.

Avionics include:

- 1. GRT Horizon 10.1 EFIS
- 2. GRT EIS 6000 engine and flight management system
- 3. Reiker slip indicator
- 4. Trig TT22 Transponder
- 5. MGL V16 radio 10/5W w/Vega Control Head
- 6. GRT 2020 GPS with a uAvionix Echo/UAT for in/out ADS-B
- 7. GRT Roll and Pitch servos
- 8. ACK ELT

Remaining to be finished:

- 1. Final installation and test of avionics components
- 2. Completion of smaller heim joint to the roll servo control rod
- 3. Optional installation of a canopy key lock
- 4. Installation of wheel pants and landing gear fairings upon completion of initial flight testing
- 5. Completion of a build manual
- 6. Completion of final install of engine electrical (hook-up)
- 7. DAR inspection and issuance of a Special Flight Worthiness certificate for an E/A-B.

The airplane is ~850 pounds, so it can be flown under light sport rules.

This aircraft kit is at the Geronimo Experimental Aircraft build center in Marana, AZ. The price is \$99,900.

FOR SALE; Complete Wag-Aero 2+2 Sportsman engineering drawings. Edge worn but complete. Current Wag-Aero price \$135. Yours for only \$25. All proceeds go to the Chapter 538 Hangar Project. Contact Bob Hurni at Hurni@aol.com. Great for study or September for a project consideration. Can deliver to any meeting.

These aircraft both belong to Mr. Jack McKinney, the gentleman that donated his Stitts Playmate N538LC (built by Leroy Castle, past president of EAA 538) to Chapter 538 last year.

Jack is now 101 years young, I am trying to sell these for him. Both of the aircraft are located at his hangar at Gila Bend Muni E63, where they have been in storage for years.

Thank you,

Jim Moss

520-440-2191

CORBIN BABY ACE

Open Cockpit Parasol, Single Place. Built in 2002, TT unknown.

Corvair 164cid 90 HP. Located in Gila Bend, AZ. \$6500. 520-440-2191













AEROSPORT SCAMP BIPLANE Single Seat, Tricycle Gear. Built In 1983. TT unknown. Volkswagen 1834cc. Located in Gila Bend, AZ. \$3500. 520-440-2191







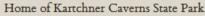






AIRPORT OF THE MONTH - BENSON







COVID-19 Coronavirus Info

Important Notices

Utility Payments

City Pool

About Benson

When the Southern Pacific Railroad came through Arizona in 1880, the town of Benson was founded. The new town, at a somewhat different location from that of the earlier stage town (Ohensorgan Stage Station) was the rail shipping point for the booming new town of Tombstone to the south.

Present day Benson is known as the Gateway to Cochise County and Home of Kartchner Caverns with easy access to much of Cochise County making it a great place to stay and play. If you're living in Benson or stopping for a visit you will find Benson offers a broad range of services and community facilities.

Benson History

Although founded in 1880, Benson civilization began long before. The Spanish missionary, Father Eusibio Kino, established Catholic Missions in the late 1600's. For thousands of years Native Americans made their home along the San Pedro River. Familiar names like Cochise, Chief of the Chiricahua Apaches and Geronimo, an Apache freedom fighter, eluded the American army for many years and are very much a part of the history of the beautiful San Pedro Valley.

Father Kino brought Christianity to the agriculturally based resident Pima Natives. The Pima shared the land with the more aggressive Chiricahua Apache, who eventually gained control of the area. During the time that the Army was waging a difficult campaign with the Apaches, the Butterfield Overland Stage was founded and the Pony Express began. In 1880 the Transcontinental Southern Pacific Railroad opened the way for two more major rail lines, transporting copper and silver from neighboring mining communities. Benson quickly matured into a bustling railroad town.

Millions of years ago the dinosaur and mammoths roamed this area, as is evident from the diggings of the paleontologists and archeologists. Today much of the area is still relatively untouched by modern civilization. The vastness of the landscape, the majesty of the mountains and the cleanliness of the air make this a truly pleasant place to live. Benson and the San Pedro River Valley are rich in natural wonders and provide a home for a myriad of wildlife, including more than 500 species of birds.

Benson is truly a unique place with so much diversity. For more on Benson's History be sure to stop by the <u>Benson Historical Museum</u> and the <u>Benson Visitor Center</u>.

AIRPORT OF THE MONTH - BENSON CONTINUED

Benson Municipal Airport

Benson's Municipal Airport was named "2000 Airport of the Year" by the Arizona Department of Transportation's Aeronautics Division! The Airport was in the planning stages since 1989 and finally came to life in December 1999. The airport is physically located two miles north of the SR 90 and I - 10 interchange, but the access road is located one mile north of I-10. Take exit 304 (Ocotillo Road) from I-10 and go north to Aviation Drive.

Facilities and aircraft



AIRPORT OF THE MONTH -BENSON CONTINUED



FAA INFORMATION EFFECTIVE 19 MAY 2022

Location

FAA Identifier: E95

Lat/Long: 31-59-58.0000N 110-21-28.7000W 31-59.966667N 110-21.478333W 31.9994444,-110.3579722

(estimated)

Elevation: 3830.9 ft. / 1167.7 m (surveyed)

Variation: 12E (1995)

From city: 3 miles NW of BENSON, AZ

Time zone: UTC -7 (year round; does not observe DST)

Zip code: 85602

Airport Operations

Airport use: Open to the public

Activation date: 11/1999 Control tower: no

ARTCC: ALBUQUERQUE CENTER

FSS: PRESCOTT FLIGHT SERVICE STATION

NOTAMs facility: PRC (NOTAM-D service available)

Attendance: CONTINUOUS

Wind indicator: lighted Segmented circle: yes

Lights: ACTVT PAPI RWY 10 & 28; MIRL RWY 10/28 - CTAF.

Beacon: white-green (lighted land airport)

Operates sunset to sunrise.

AIRPORT OF THE MONTH - BENSON CONTINUED

RUNWAY 28

31-59 906303N

110-21.097155W

269 magnetic, 281 true

basic, in good condition

2-light PAPI on left (3.00 degrees glide path)

3803.8 ft.

yes, no lights

AIRNAV Page 2

Airport Communications

CTAF/UNICOM: 122.8 WX AWOS-3: 118.475 (520-265-5232)

Nearby radio navigation aids

VOR radial/distance VOR name Freq Var FHUr347/24.6 LIBBY VOR/DME 113.60 13E TUSr089/28.9 TUCSON VORTAC 116.00 12E

Airport Services

Fuel available: 100LL JET-A Parking: tiedowns Airframe service: MAJOR Powerplant service: MAJOR

Runway Information

Runway 10/28

Dimensions: 4002 x 75 ft. / 1220 x 23 m Surface: asphalt, in good condition Weight bearing capacity: Single wheel: 12.5 Runway edge lights: medium intensity RUNWAY 10 Latitude: 32-00.027858N Longitude: 110-21.858230W Elevation: 3830.9 ft. Traffic pattern: left Runway heading: 089 magnetic, 101 true Markings: basic, in good condition

Visual slope indicator: 2-light PAPI on left (3.00 degrees glide path) Runway end identifier lights: yes

Touchdown point: yes, no lights

Obstructions: 2 ft. brush, 220 ft. from runway, 84 ft. left of centerline, 10:1 slope to clear

Sectional chart

ON APP WITHIN N 125.1 269.55

Aerial photo WARNING: Photo may not be current or correct Photo by Bryan Anderson

Photo taken 11-Nov-2019 looking north-northwest.

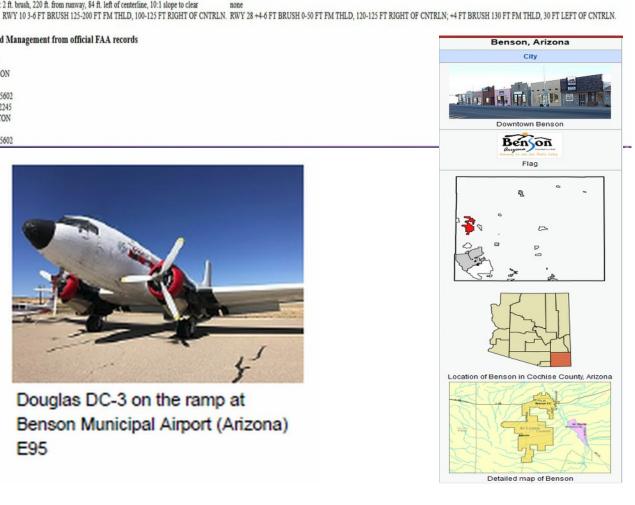
Do you have a better or more recent aerial photo of Benson Municipal Airport that you would like to share? If so, please send us your photo.

Airport Ownership and Management from official FAA records

Ownership: Publicly-owned Owner: CITY OF BENSON P.O BOX 2223 BENSON, AZ 85602 Phone 520-586-2245 Manager: BRAD HAMILTON P.O BOX 2223 BENSON, AZ 85602



Douglas DC-3 on the ramp at Benson Municipal Airport (Arizona) E95



AIRPORT OF THE MONTH - BENSON THINGS TO DO

The 15 Things to do in Benson, AZ

01.Kartchner Caverns State Park

- **02.Double R Ranch**
- **03.Benson Visitor Center**
- **04.**Horse Shoe Cafe
- **05.Quarles Art Gallery**
- **06.Benson Historical Museum**
- 07. The Thing attraction & souvenir shop
- **08.Whetstone Mountains**
- 09.Butterfield Overland Mail
- **Station Ruins**
- 10.San Pedro Golf Course
- 11.San Pedro Valley Arts &
- **Historical Society**
- 12. Singing Wind Bookshop























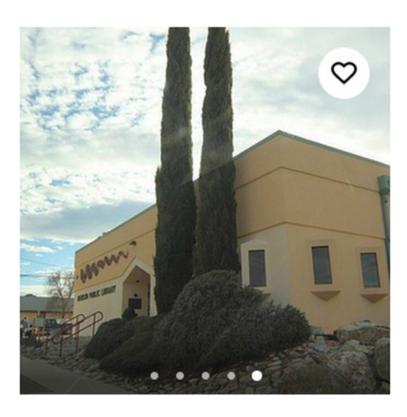


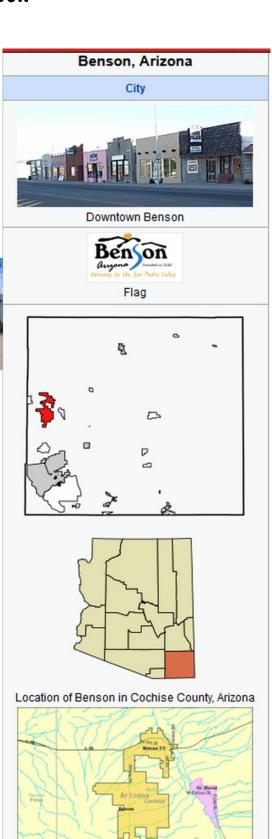
AIRPORT OF THE MONTH - BENSON CONTINUED THINGS TO DO IN BENSON

- 13. Endeavor Art Gallery
- 14. Mescal Movie Set
- 15. Benson Public Library









Detailed map of Benson



Experimental amateur-built aircraft, often called "homebuilts" because they are typically built in people's garages and basements, are the fastest growing segment of new aircraft in the United States. Amateur-built aircraft are built by individuals and certificated by the Federal Aviation Administration (FAA) as "experimental amateur-built" (E-AB).

Advantages and Limitations

At first, building your own aircraft might seem like a crazy idea.

However, there are some real advantages to taking on this challenge.

Advantages

> You get to build it

Succeeding on a big project gives you a huge sense of accomplishment. You can choose to build an airplane, helicopter, gyroplane, or glider.

> Ultimate freedom

You get to choose the kit, the paint job, the panel. This project can be a reflection of you.

> Latest technology

Cutting-edge glass panels, lightweight composite materials, and high-performance engines are just some of the options you'll get to choose by building the aircraft yourself.

> All New (if you want to)

Every part and piece of the aircraft can be brand new. Or you can save some serious dollars by scrounging around for used bargains like mid-time engines or first-generation glass panels.

> More performance

If you want a hot rod, homebuilding is where you'll find the performance you want. The fastest designs available are all kit aircraft. Or, do you simply want more performance out of the same horsepower by picking a more efficient, modern kit design?

> Lower maintenance costs

The freedom to do your own maintenance and inspections will save you thousands of dollars every year. Plus you'll get to source your parts to save more money.

Disadvantages

> You have to build it

Of course, not everyone enjoys the challenge of a big project or learning new things.

> No commercial use

The only real limitation on homebuilts is that they cannot be rented or used for any commercial purpose. So, if you want to rent your aircraft to students, building isn't a good fit.

> Foreign travel

You must obtain written permission from another country's Civil Aviation Authority (CAA) prior to flying your aircraft in or over that country. For countries other than Canada and the Bahamas this can present a challenge.



Can I Really Do This?

If you know what the pointy end of a screwdriver is for, you can build an aircraft. The skills necessary to build today's state-of-the-art aircraft kits are simple to learn and well within the reach of almost everyone. Every year, kit aircraft manufacturers continue to refine their offerings and take advantage of the latest manufacturing technology. All you really need is the desire to build and a willingness to learn.

Are Amateur-Built Aircraft Safe?

The short answer is yes. As you may expect, the overall accident rate for homebuilt aircraft is slightly higher than factory-built aircraft. Studies by FAA and the National Transportation Safety Board (NTSB) show that amateur-built aircraft have an accident rate less than one percentage point higher than the general aviation fleet. In fact, the accident rate for amateur-built aircraft is dropping. The total number of registered homebuilt aircraft is increasing by about 1,000 each year, while the total number of accidents has staved virtually the same.

Are There Any Restrictions on the Use of My Aircraft?

After being inspected by the FAA, you will be required to complete a flight test program to determine that the aircraft is safe for flight. This will typically be a minimum of 40 hours, or 25 hours if you use an FAA-approved engine and propeller combination.

Once flight testing is completed and the appropriate logbook entry made, you are able to use the aircraft following the normal operating rules of the sky. You may fly cross country, carry passengers, and generally enjoy yourself. The only significant restriction is that you are prohibited from carrying persons or property for compensation or hire.

What FAA Rules Must I Follow When Building?

In order to receive an E-AB airworthiness certificate when the aircraft is complete, you will need to be able to demonstrate that "amateurs" (you and any helpers) built the majority of the aircraft for "education and recreation." This is often referred to as the "51-percent rule." You will do this by keeping a "builders log" to show the FAA inspector that you completed the majority of the tasks.

There is no set format required for a builders log; however, the burden of proof is on you. A simple log documenting the task completed and the date along with some photos will do. Probably the easiest builders log is to simply take lots of photos during the building process, including ones of you doing various tasks. Not only will this satisfy the FAA, but you also will find the photos helpful during future maintenance work, and it's a great memento of the project.

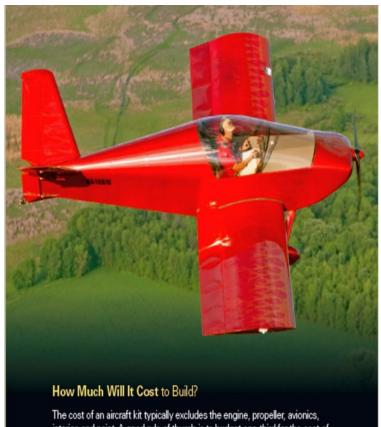
How Do I Know if a Kit Will Meet the 51-Percent Rule?

The FAA, if requested by a kit manufacturer, will inspect an aircraft kit to determine that it will meet the "51-percent rule." This provides potential builders the assurance of knowing that the kit will qualify as amateur-built when completed. The FAA does not evaluate the design and FAA's review does not mean that the kit is FAA "certificated" or "approved" in any way. The list of kits that have received "Letters of Eligibility" is available at www.faa.gov/aircraft/gen_av/ultralights/amateur_built/kits/nket_list/

How Do I Handle the FAA Paperwork?

EAA's Amateur-Built Aircraft Certification Kit was created to help you with the FAA paperwork required for building your own aircraft. The kit includes everything you need to register and certificate a new experimental amateurbuilt aircraft. The 15-page, step-by-step Certification Guide walks you through the entire process—from getting a registration "N number" to the aircraft inspection—and provides samples of how to complete each required form. The certification kit also includes all FAA forms, an "Experimental" sticker (in black), a dataplate, and a convenient placard decal sheet. To order, call EAA at 800-843-3612 or visit ShopEAA.org.





interior, and paint. A good rule of thumb is to budget one-third for the cost of the kit, one-third for the engine, and one-third for everything else. So for a kit

that costs \$15,000, you will have roughly \$45,000 invested when it is

completed and flying.

What is "Scratch Building"?

Scratch building is when you build your own aircraft but do not use a kit. Instead, you start with a set of plans and effectively build your own kit by making all the parts yourself. If you are working on a tight budget or simply enjoy the building process, this is an option to consider. You can often "cash flow" the building process with small purchases of materials because of the added time needed to build all the parts.

Can I Fly IFR in a Homebuilt?

Yes, assuming the aircraft is appropriately equipped for instrument flight and you hold an instrument rating.

Do I Need a Pilot's Certificate to Fly a Homebuilt?

Yes, you will need a pilot certificate with the appropriate ratings and endorsements (e.g. tailwheel) for the aircraft you build.

How Much Room Do I Need to Build?

You really don't need all that much space to build an aircraft. It is only when you start attaching the wings to the fuselage that it takes up a lot of space. A one-car garage is enough to build most aircraft but a two-car garage is even better.

How Long Will It Take to Build?

Kit aircraft can be built in as little as 500 hours to as many as 1,500 hours. A lot depends on the complexity of the aircraft design. Obviously, an aircraft with a retractable landing gear or a pressurized aircraft will take much more time than most of your basic metal kits.

What if I Need Help Along the Way?

EAA was formed in 1953 for this reason. We provide our members with articles, books, and videos that teach you what you need to learn to build an aircraft. Our twoday instructional SportAir Workshops (SportAir.org) are extremely valuable for learning the fundamentals of construction.

How Do I Make Sure | Build a Safe Aircraft?

On a project as large as an aircraft, it is always good to have a second set of eyes inspect your work. EAA's Technical Counselors are experienced aircraft builders who will visit your project and examine it for any substandard workmanship. There is no cost to the inspection, and EAA recommends a minimum of three visits during the construction of your aircraft. For more information, visit EAA.org/TechCounselors.

What about Flight Testing?

The FAA will mandate that the aircraft be flight tested for at least 40 hours (25 hours if you use a type-certificated engine and prop combination) to prove the aircraft is safe for flight. Once the flight time has been completed, a logbook entry is made indicating that the aircraft is "safe for flight." At this point, passengers can be flown.





Do I Have to be the Test Pilot?

No, the builder does not need to be the test pilot. Any appropriately rated pilot can perform the test flying. You may choose to let a more experienced pilot do the first few flights and then you can finish the flight testing. Either way, EAA's Flight Advisor program is a must. These dedicated volunteers will work with you to plan a safe first flight and thorough flight-test program. For more information, visit EAA.org/flightadvisors.

Annual Condition Inspections

One of the major advantages of building your own aircraft is that you qualify for a "Repairman Certificate." You must apply to the FAA for it, and once it is issued, it allows you to perform the required annual condition inspection to determine that the aircraft is in a "condition for safe operation." By holding the repairman certificate, you are authorized to record the inspection in your aircraft logs. The repairman certificate is only issued to one individual per homebuilt aircraft and is non-transferrable.

Maintenance and Repairs

Another major advantage of building a homebuilt is that anyone, not just the builder, can perform the maintenance and repairs. Any part deemed appropriate by the person performing the maintenance and repairs can be used. Not only does this save you the cost of labor but there can be a tremendous cost savings over FAA certificated parts.

Is Aircraft Insurance Available?

Yes. EAA's Aircraft Insurance Plan is available to provide liability and hull coverage for almost all the amateur-built aircraft offered today. In addition, construction insurance is available to protect the value of the kit while you are in the building process. Learn more at EAA.org/insurance.

Will I Have Legal Liability When I Sell the Aircraft?

Yes, the potential exists, but the reality is far different. In more than 60 years of homebuilding, we are unaware of a single successful lawsuit against an amateur builder.



EAA has an extensive collection of resources created just for homebuilders and restorers, including:

- >EAA Webinars —These live multimedia presentations cover a variety of aviation topics, including "So You Want to Build an Airplane?" This webinar takes you through the entire building process while dispelling some of the common misconceptions involved. Visit EAA.org/Homebuilding to view this archived webinar.
- > SportAir Workshops EAA's highly interactive, hands-on weekend workshops are the perfect place for do-it-yourself aviators to learn about aircraft building and restoring. Visit EAA.org/SportAir to learn more and find an upcoming workshop near you.
- > EAA Chapters Getting involved in your local EAA chapter is a great way to meet other builders, exchange information, and share ideas. Visit EAA.org/FindaChapter to locate a chapter near you.
- > Technical Resources EAA has a wide selection of how-to books, videos, and technical manuals that can help you succeed in building, restoring, or simply being more hands-on with your aircraft. To learn more, visit ShopEAA.com.
- > Live Expert Advice Get toll-free technical assistance from one of our resident experts at 800-564-6322.



3000 Poberezny Road Oshkosh, WI 54903 EAA.org 800-JOIN-EAA

This guide is intended as a general overview of experimental ameteur-built, not a comprehensive guide. For more information, visit EAA org/Homebuilders. **REV 1701**

THANK YOU

THANK YOU

THANK YOU

THANK YOU

THE FOLLOWING IS A LIST OF PEOPLE WHO HAVE GENEROUSLY DONATED TO THE HANGAR FUND. WILL YOU JOIN THEM?

- 1. Aaron Andrew
- 2. Benjamin Armstrong
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- 6. Alexander Bodak
- 7. Tad Daughters
- 8. John Gregg Jr.
- 9. Darren Henley
- 10. Carlos Hernandez
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- 20. Chris Rute
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- 47. Curt Wheeler
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- 52. Alex Hardt
- 53. John Maleitzke
- 54. Dee Grimm
- 55. Joe Statt
- 56. John Barbrick
- 57. Lonny McClung
- 58. Bob Hurni
- 59. John Warner donated \$1000 on behalf of Arizona

Community Foundation

- 60. Sharon Burke
- 61. Doug Brune
- 62. Fawn Dorman
- 63. Willard Waddle

Send us some money and your

name will be here also!

CHECK THE WEBSITE AT HTTPS://CHAPTERS.EAA.ORG/EAA538/HANGAR-FUNDRAISER FOR MORE INFORMATION AND UPDATES.

IF I MISSED ANYBODY. YOU WILL APPEAR IN NEXT MONTH'S NEWSLETTER. AGAIN THANKS FOR GETTING US CLOSER TO OUR GOAL OF OUR OWN HANGAR/HOME..

2022 E.A.A. Chapter 538 New Membership Form

			Spouse's Name:		
Address:				<u>=</u>	
City:		St	ate:	Zip:	
Phone:		Email Ad	ddress:		
National EAA Nur	mber:	E	Expires:		
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2022 E.A.A. Leroy Castle Chapter 538 Membership Renewal Form

Name:			Spouse's Name:	
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City:		_ State:	Zip:	
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National EAA Number:	_	Expires:		
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1100. 2711040	res you be a member of the	orial D V III	order to be a member of	or chapter 556.
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ATP A&P I/	CFI CFI	Othe	r Ratings:	
Aircraft, Project or Hobbies:				
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Your donation is very much appreciated!

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