



Chapter 493
San Angelo, Texas

The Official Newsletter of EAA Chapter 493.

Concho Valley Aviator

www.geocities.com/eaachapter493/

415 W Twohig Ave, Ste 2A, San Angelo, TX 76903

February, 2002

January Meeting of EAA Chapter 493

-President George Spinks called the meeting to order at 7:00 p.m. The President welcomed everyone.

-Lawrence Wright introduced his out-of-town guests, John and Shirley Zeller.

-The President said that he enjoyed the Christmas Party. He wished that the attendance at each Chapter meeting was as good as it is for the December meeting.

-The President brought to the attention of members information he received regarding exhaust systems and other items available for sale.

AOPA Seminar -The President announced dates of up-coming AOPA seminars with focus on "Spatial Disorientation".

EAA Membership -President Spinks announced that he has EAA Membership Applications, and he reminded members to pay their dues to National EAA.

Air Academy The President asked members to consider the Chapter's sponsoring a young person to attend a summer session of the Air Academy at Oshkosh. The cost would be about \$650.00 for a two-week session.

Sport pilot/light-sport aircraft -President Spinks reported on the status of the sport pilot/light-sport aircraft proposal. It is anticipated that the proposal is soon to be published as a notice of prepared rulemaking (NPRM) with a 90-day public comment period to follow. Leon York thought it would be well if members made their support for the proposal known. The President thanked Wayne Cutrell for the Newsletter.

Refreshments -Barbara Yeates asked for volunteers to provide refreshments for the monthly meetings.

January Program -The President introduced Bill Yeates who presented the program. In 1959 Bill was in the Air Force Security Service, and he was in Pakistan for a year. Bill told of his duties in Pakistan, and he showed slides he had taken of the countryside as well as of street scenes. He showed pictures of men who were making guns without the aid of machinery. Bill relayed some of the traditions of the tribesmen. He stressed that when he was in Pakistan things were as they had been for the previous 300 years, and they are just the same today.

Refreshments - At the conclusion of the program those present were invited to have cookies and soft drinks brought by Jim and Mitzi O'Hara

Treasurer's Report

Nan C. Wright, Treasurer, reported a balance of \$1,650.64 in the Treasury as of Feb5, 2002

February Meeting Date

The next meeting will be February, 19, 2002. See you there!!

February Program

Speaker

Johnny Williams will talk about flying safety.

Refreshments

Bonnie & Steve McDuff will be bringing the refreshments for the February meeting.

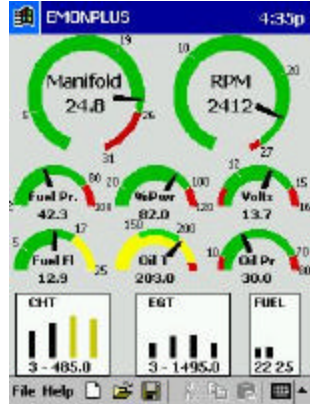
Annual Dues Reminder

Nan C Wright, Treasurer is collecting dues for 2002. Dues are \$20.00 per member and \$25.00 per member and spouse. Checks payable to EAA Chapter 493, Inc. may be mailed to Nan C. Wright, 8654 Ducote Air park Road, San Angelo, TX 76904.

In the past, it has been policy that in order to continue to receive the Chapter newsletter, that Dues had to be in to Nan by March.

Flight Level 50

by Donald Treadwell



I found this neat engine read out for my iPAQ



pocket pc at

www.pcflyingsystems.com/

They also had this electric gyro unit that attaches to the iPAQ and gives attitude and heading:

It works by hooking up to this:



This is the hardware.

The software for the engine monitor read out sells for \$99.95 and replaces other engine monitor read outs by plugging into the RS 232 output. I think a panel of

several iPAQs lined up giving navigation, attitude, and engine status would look a little silly, but I imagine someone will try it. This is an excerpt from their web site:

“The emergency gyro backup system for any aircraft. Provides horizon, directional and attitude gyro functions in a portable unit. The first and only battery powered portable efis system-only \$1395. [VERSION 3.0 SOFTWARE](#) FOR GlassHorizon PCEFIS is now available for FREE download

Pcefis glass horizon the **first affordable** combined electronic attitude gyro horizon, directional gyro and

turn coordinator gyro system for any aircraft - only \$1395.00. Works great with the compaq ipaq pocketpc computer. (order online now or call 352-804-7217 to place an order) In stock now - hundreds of units have been shipped. No moving parts - completely battery powered! (patents pending). No vacuum system or aircraft electrical system is required. Costs less than obsolete technology electro-mechanical gyros Performs all ifr gyro functions including horizon gyro, directional gyro and turn coordinator.

Gps interface option is now available - this option enables the efis to provide full ahrs (attitude heading reference system) functionality - this option uses any gps nmea 4800 baud output. This option superimposes the ground track, altitude, rate of climb, and ground speed information onto the attitude display.” I think it is amazing that the whole thing is portable! I sure hope the next pilot who needs a backup in IFR will have something this good on board, assuming that it works. You can buy an iPAQ for as little as \$330 now for last year's model, and there is very little added in the

latest models, which go for \$50.

I was able to fly out



to Ozona with some of the SPOD group on the last Friday in January. We ate at the Hitchin' Post, a quaint Steak House

decorated as only a Crockett County restaurant could. The ceiling was corrugated steel sheets with a haphazard layered effect. What held those things up? Magnets? The hamburgers were good, as was the company.

On Sunday Nancy and I flew to the ranch and repaired the plumbing for Mom. On the way back to San Angelo everything was real quiet. No one else was flying or talking on the radios. We saw no movement on the ground. There was only the glare of blue light filtering through windows in houses. The Super Bowl was on TV. We only missed the second quarter, but we enjoyed the down-to-the-wire finish at a friend's Super Bowl party.

I didn't regret missing part of the game. As we flew into Mathis after dark, I reduced power and turned right for a final approach to runway 36. I managed the energy to get our speed down to 75 mph and stay above the red lights marking the power lines. As we crossed the numbers with full flaps we touched down in a perfect three-point landing. We didn't bounce or shake at all, the wheels just started turning. We turned left on taxiway Charlie and I thought, "That was great! Why can't all of the landings be that good? Why do they always happen when no one is watching?" At least Nancy was there to experience it. She was due a good landing; she's been through some bumpy ones lately with me.

Aircraft Builders Workshop

EAA will be holding an Aircraft Builders Workshop March 23rd & 24th in Dallas, Texas. These one and two day courses will introduce



Typical Workshop Scene
participants to the joys of building your own aircraft while providing the knowledge and experience necessary to do it safely. EAA will be offering the following hands on courses:

Sheet Metal

This 2 day course prepares you to build any sheet metal kit aircraft and teaches the procedures for sheet metal repairs. There is a discussion of all the basics including types of aluminum, rivets, tools, cutting, drilling, deburring, countersinking, and riveting. Tuition for EAA members is \$289.

Fabric Covering

This 2 day course prepares you to cover any type of aircraft, whether certified or experimental. Using the Poly-Fiber Covering System, the class will cover DC-3 ailerons. All steps are demonstrated and practiced, including preparation, gluing the fabric, shrinking, rib stitching, taping and spraying. Repair procedures will also be discussed and practiced. Tuition for EAA members is \$259.

Composite Construction

This 2 day course provides you with everything you need to know to begin building a composite aircraft. The course will provide a complete discussion of core materials, reinforcement materials, and different types of resin systems. The hands-on portion includes such skills as bonding, hot-wire cutting, and lay-ups. Tuition for EAA members is \$259.

Electrical Systems, Wiring, and Avionics

This 2 day course prepares you to wire your aircraft and allows you to practice the skills you will need to install your electrical system through the use of several hands on wiring projects. Definitions of electrical terms are discussed along with information on selecting the proper wire size, how to route wire and installing avionics and antennae. Tuition for EAA members is \$279.

Gas Welding

This 2 day course will give you practical welding theory along with hours of actual experience using oxyacetylene welding techniques. Our goal is to show you the basics, give you a solid understanding of what welding is all about, and to help you discover that you really can build or repair your own airplane. Tuition for EAA members is \$289.

Flight Testing Your Project

This one-day course helps the student prepare for the first flight whether of a homebuilt or a restoration project. Additionally, the course helps the attendee prepare a meaningful flight test program. Among the many topics that are covered are evaluation of the aircraft, from weight and balance to performance characteristics, pilot preparedness and fitness, suitability of the airport, documentation and utilization of data from the test flights, communications between EAA Flight Advisor and pilot during the test flights, and preparation of a Flight Manual or POH. Safety and emergency procedures are stressed. The tuition for this one day course is \$99 for EAA members.

What's Involved in Kit Building

This Saturday evening seminar is a fact-filled discussion of regulations and paperwork, the workspace required, the time commitment needed, the financial investment and insurance considerations. May be taken in conjunction with other workshops. Tuition for EAA members is \$30 and includes dinner.

The courses are instructed by experts that not only know the subject matter but know how to teach! To enroll or learn more about the EAA SportAir Workshops, visit website www.sportair.com or call 1-800-967-5746.

Don Treadwell Recognized

Don was recognized in the supplement to the recent issue of EAA Sport Aviation. This was a salute for the time and effort taken in sharing the enjoyment of flight with a new Generation of 2001. Congratulations Don.



FAA MAY APPROVE INTERNET FOR FLIGHT INFO SOURCE

The FAA is now moving toward approving the Internet as an "official" information source. The agency has just published a proposed advisory circular outlining recommended

practices for "Internet communication of aviation weather and notams.". While today a pilot can get aviation weather and notams on the Web from a variety of government and other sources, they don't count (except for DUAT) as a legal preflight briefing. EAA's Online Flight Planner Service uses DUAT and is a legal briefing.

Air Museums of Texas

In case you are traveling in Texas and have some spare time. Here are some of the air museums in the state. Hyperlinked in electronic version of newsletter - [American Airlines \(C R\) Smith Museum](#), Ft Worth [American Airpower Heritage Museum](#), Midland [Aviation Heritage Museum](#), Ft Worth Aviation Museum of Texas, Kerrville [Black Sheep Air Museum](#), College Station [Cavanaugh Flight Museum](#), Dallas [Combat Jets Flying Museum](#), Houston [Corpus Christi Museum of Science & Industry](#) [Dyess AFB Linear Air Park](#), Abilene [English Field Air & Space Museum](#), Amarillo [Flight of the Phoenix Museum](#), Gilmer [Frontiers of Flight Museum](#), Dallas [Hangar 10 Flying Museum](#), Denton [Lone Star Flight Museum](#), Galveston [Museum of American Aviation](#), San Antonio [Museum of Aerospace Medicine](#), Brooks AFB [Nimitz Museum & Historical Center](#), Fredericksburg [Silent Wings Museum](#), Terrell [Southwest Aerospace Museum](#), Fort Worth [Texas Air Museum](#), San Antonio [Texas Transportation Museum](#), Amarillo [USS Lexington Museum](#), Corpus Christi [Vintage Flying Museum](#), Fort Worth

Editor's visit to Ducote

I went to Ducote recently to visit Leon York and assist him

Me handing something to Leon

Contortionist Leon wrestling with rudder pedals

Theoretically, I was going to help Leon get the rudder pedals out of the RV so that strengthening tabs could be welded to them. Unfortunately, I wasn't of much help to him, but I did not break anything either.

FAA PUBLISHES SPORT PILOT, LIGHT SPORT AIRCRAFT RULES

The FAA finally made public its proposed rules that would create a new pilot certificate--Sport Pilot-- a new category of certificated aircraft--Light Sport, and a new category of repairmen certificate--Light Sport Aircraft Repairmen. The proposal would regulate air-

craft that are too large to be ultralights, but too small to economically meet current FAA certification standards. The FAA believes the new rules would spur the creation of a new segment of the aviation industry and lead to the certification of 9,000 more pilots over the next decade. "Though our analysis of the proposal has just begun, there seems to be no surprises in the proposal's framework based on what the FAA was promoting last year," said Lance Nuckolls, AOPA director of regulation and certification.

WHICH AIRCRAFT ARE COVERED?

Light Sport aircraft are described by the FAA as being limited to 1,232 pounds maximum certified gross weight, have a single nonturbine engine, stall speed of 39 knots, maximum airspeed of 115 knots, no more than two occupants, and fixed landing gear. Of the currently certificated aircraft, J3 Cubs, Aeronca Champs and Chiefs, and early model Taylorcrafts would likely fall into the Light Sport category, but aircraft such as the Cessna 120s, 140s, and 150s, Piper PA-11s and PA-18s, and American Champion 7 series would not. The new Sport pilot certificate, which would allow pilots to fly Light Sport aircraft, could be obtained with about 20 hours of training. Sport pilots would need either a third class medical certificate or a valid state driver's license to fly.

B-29/B-24 Squadron possible San Angelo Tour 2002 Appearance Information

The Commemorative Air Force (CAF, formerly known as the Confederate Air Force). The CAF operates several squadrons, including the B-29/B-24 Squadron, based in Midland, Texas. This is the only flying B-29 Superfortress bomber in the world,



*
The C. A. F. is considering positioning of the B. 29 at San Angelo, Mathis foreign display for several days perhaps on April. The final arrangements have not been fixed. The editor will keep you posted on arrangements as details become known. The here are some of the range bench with chip must be secured prior to the CAF finalizing its visit to Mathis.

Threshold Requirements - to cover expenses, the Squadron requests the following:
* 1,500 gallons 100LL * 1- 55 gallon barrel of Shell 6006 oil* 8-10 rooms / night for 1 week * Use of 3 minivans or 4 cars during the visit* Secure area for staging of the
Appearance Options -Possible fees include: A static display involves staging of the aircraft in a secure area. Once in place, Squadron personnel will facili-

tate tours of the aircraft and operate a PX where visitors can purchase commemorative and collectible items relating to Squadron aircraft.

Possible fees include:

Gate Admission: \$5 adult; \$3 children 9-12 Free under 9* B-29 Cockpit Tour: \$5 adult; \$3 children 9-12; Free under 9 * B-24 Aircraft Tour: \$3 adult; \$1 children 9-12; Free under 9

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[Regional Fly-In](#) Texas

10/10/02 Copper State Phoenix, AZ



FOR SALE

Cessna 172 - Lost medical, 1959 Cessna 172. TT A&E 2442, SMOH 306 no corrosion, hangared, complete history and logs. Asking \$38,000. Contact Art Steele (915) 947-3307, or send e-mail to

ajsteele@wcc.net



Art's vintage 172

Calendar

DATE	DESCRIPTION	LOCATION
3/1/02	4th Annual Southwest Aviation Trade Show and Symposium	San Antonio, TX
3/23-24/02	Aircraft Builders Workshop	Dallas
4/7/02	Sun'N Fun	Lakeland, FL
7/23/02	EAA AirVenture Oshkosh Fly-In Convention	Oshkosh, WI
9/27/02	EAA SouthWest	Abilene,

FOR SALE: (1) **Gill G-25 battery.** Battery and electrolyte are new, in-the-box, and never opened. (Wag-Aero price \$99.95) I will let go for \$70. (2) **Aviation Oil Analysis Kit** with the analysis prepaid by me. All you need to do is send sample in to company. I will sell for \$15. Richard Holder 944-0575 or rholder1@gte.net

Officers Chapter 493 for 2002.

President – George Spinks

Vice President – Joe Christian

Secretary – Mitzi O’Hara

Treasurer - Nan C. Wright

Newsletter Editor – Wayne A. Cutrell

Web page Editor – Bob Heiser

Technical Counselors – Bob Reece, Paul Shacklette

Flight Advisors – Richard Dillard, Johnny Williams

Directors – Andy Spinks, Leon York

Young Eagles Program – Don Treadwell

*Some more shots of the Iraan
Fleet*



EAA Chapter 493 Newsletter

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Here