

SCALE RENTALS

Chapter 135 has scales for rent.

Cost is:
A&P or FBO is \$100/day (3 days max)
Chap. 135 members - \$10/3 days
Other EAA Members - \$50/3 days.

Late fees apply if you are late.

Please contact Mike Abrahams to rent them. His numbers are:

Office: 287-3841
Cell: 988-3840
Home: 981-0381.

If you are a Chapter 135 member you must show your membership card in order to rent them. →



Everyone has a photographic memory, some just don't have film. →

President's Column, Book 1, → Chapter 4, January 2002 →

Had a good Christmas party; Maury had a new and even better button this year about Class B airspace. How many have the full collection of his fine Christmas work? Thanks again, Maury, until you're better paid!

'Tis the Day before Christmas and I need to get this article to Donna for the January issue. Had to delay the annual Christmas flight a week to the folks' place in Arkansas. We were headed there on the 21 & 22, but icing conditions around Kansas City and a severe case of the GI's combined to cancel everything for the weekend. The 182 stayed in the hanger and I stayed close to the roll of Charmin. Hopefully go down next weekend.

Last year for me to write the President's column! Some of the folks are happy, others are fearful that they will have to start writing. Said I wasn't going to let this job slow down the building of 96WG. Well it did, about 8-9 months, but early 2003 seems possible to get it into the air. Got the new Van's calendar. Will 96WG make the calendar in the next few years? Yea, SURE!! Very pretty RV's in there including Lyle's grand champion RV-8A last year. Eat your heart out plastic airplane drivers. Van's cans rule!!

I did get the 100% panel plan on paper this weekend. I'm looking at the mini-plan from software (1/5th scale), the half-scale plan I drew for feasibility, and now the final plan. WOW what a difference! Unless the avionics shop insists on installing annunciator switches for the Garmin 430 in it's present location or has either a very-cheap HSI or Sandel EFIS, I will tape this to the actual panel and fly a few flights with my hands on instruments, radios and other control locations. I have been designing this panel from articles, flying various planes for the past 8 years, looking at all the mega-bucks panels, defining my list of things non-negotiable items and nice-to-haves. This panel combines nice VFR flying from both sides, and the lightest weight single-pilot IFR panel I've ever seen for under \$20K. (I think the best design, too.) I'd love to add a Sandel EFIS and a Strike-Finder for another \$10K but feel it would be overkill for our planned missions with this plane. Right now I've got dual GPS, dual VOR, dual COMMs, an ILS, marker beacon, auto-pilot, transponder, full engine instrumentation, altitude deviation warnings, stall indicator, audio and visual out-of-limit warnings on everything, dual static air sources, dual vacuum source, dual electrical source for ignition & 2 other super critical electrical needs, and a third electrical source for the secondary COMM and GPS radios.

(cont'd pg 4)

NEXT MEETING:

January 12, 2002



ANKENY AIRPORT 7:00 p.m.



PROPWASH

CHAPTER 135 CHRISTMAS PARTY

WOW! What a great Christmas Party the chapter enjoyed at Willow Creek on December 9th. The food was terrific, and the turn out was great, but the gift exchange was the best. For those of you that missed it this year, **PLAN ON COMING NEXT YEAR.** It was a lot of fun. We do have some new rules for the gift exchange next year. We will be separating Mike, Deb, Jack and Esther. They have got the guys trained on what to pick, and they have the strategy all worked out on how to get it. So we want to make it more challenging for them next year, by separating them!!!! Look at all the fun in these pictures!



The top gift was the Grinch-mobile, that President Bill Gast demonstrates, as the group intently looks on.



Members and spouses enjoy a terrific dinner along with laughter and fellowship.



The top award went to President Bill Gast for his landing abilities demonstrated at a recent Young Eagles Fly In "If all else fails, bat it down, Bill."



The infamous Chinese Gift Exchange.

CHAPTER AWARDS GIVEN OUT



YOUNG EAGLES

A happy young eagles participant with Mike Abrahams in the Winterset Young Eagles activity. To coordinate a young eagles project, please contact our Young Eagles Coordinator, Alan Core at indypurr@juno.com. →→→→→



EAA AVIATION SCHOLARSHIP PROGRAM

It's not too early to be thinking of applicants for the scholarship program. Applicants should be well-rounded individuals, involved in school and community activities as well as aviation. The program is designed to encourage and support individuals that have interest in aviation related fields. The annual scholarships are designed to help students that have demonstrated high standards of performance and financial need. Applications are available from chapter secretary or on the EAA website. The scholarship application deadline is March 30, 2002. →

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www.dot.state.ia.us/newsletters.htm#avbull

Upon closer examination, that's a fully loaded F-18 Hornet tailgating you down I-80. Right about now he is getting "weapons lock."



PROPWASH

The following is a listing of Federal Air Regulations you might need to reference while building your aircraft.

<u>Phase of Construction</u>	<u>FAR</u>	<u>Description</u>
Initial Building	21.191	Basic definition of amateur
	21.175	Classification of airworthiness
	21.193	Needed info. for experimental licensing
	45.22	"N" number rules
	45.23	Experimental display
	45.25	Location of "N" number
	45.29	Size of "N" number
	47.15	General information/"N" number
	47.33	General information/"N" number
	91.205 I	Instrument and equipment requirements
		Advisory Circular 20-27D
	Advisory Circular 20-139	
Flight Testing	91.305	Flight testing area
	91.319	Operating limitation
		Advisory Circular 90-89
Normal Operation	21.181	Duration of airworthiness
	91.25	Accident Reporting
	91.207 ELT	Requirements
	91.319	Operating limitations
Maintenance	21.93	Major and minor alterations
		Part 43, Appendix D
		Advisory Circular 65-23A

A long time airline mechanic, after the usual abused career, had just passed thru the Pearly Gates and was being welcomed by St. Peter.

He stated, "I can't stand any more airline pilots and their lofty attitudes. If there are any of them up here, I'd rather go to hell!" St. Peter assured him that airline pilots just were not allowed in heaven, so he opted to stay and started strolling down the Golden Streets. Turning a corner, he abruptly bumped into...you guessed it...an airline pilot in full uniform.

He ran all the way back to St. Peter and complained loudly, that after his promise, the very first person he met was an airline pilot!

St. Peter just laughed and responded, "Oh! That was God. He likes to pretend he is one."

contributed by Maury Hunter

(Presidents Column continued from page 1)

If I go back on the road continuously for the courts in the next few years and absolutely have to be on time, upgrades for the 2 hand-held radios and the Garmin 430 with a Sandel and Strike Finder would allow me to be state of the art. I have enough extra electrical power to hook in a laptop computer with weather uploads to the 430 via airborne cell phone, all maps on line, and/or replace the hand-held Garmin 90 with a Compaq PDA and the Control Vision Anywhere Map. Add an oxygen bottle, and all I'd want would be a kerosene burner to spin the fan up front. Now that's a real home-built idea, a turbo-prop Van's RV-6A. Just kidding, not enough fuel storage!!!! Working hard to get as much done as possible for the open house in March. See you January 12th in Ankeny.

The Arm Chair Flyer

by John Kennelly

Well, as winter sets in, and Christmas is over, we start to settle in to the deep winter. Let me tell you about some very interesting reading to help pass the long winter nights.

First of all, many of these books are available in the library, or if you wish to add to your own library, new and used book stores are for you.

One of the more interesting books I found, is, *A MISSING PLANE*. It is a true story of a Des Moines native and his all too brief life. Disappearing in WWII with a B-24 full of crew and passengers, bound for home, only to have their remains found in the 1980's! This is interesting about 1930's and 1940's in Des Moines and also modern forensic anthropology. Author Susan Sheehan brings out the best of both worlds.

***AT THE EDGE OF SPACE*, by Milton O. Thompson is a first person account of the X-15 flight program by someone who was there. The aircraft was one of the most successful aircraft to ever fly. It only had 199 flight's but brought us a lot of much needed information. Heartbreak and triumph, Mach 6 and 250,000 feet. It is all here, and all true.**

For you bi-plane enthusiasts, we have Stephen Longstreets, *THE CANVAS FALCONS*. WWII men and planes. Good stuff here about people, places and planes.

Now just for a lark, and that is what it is, there is John Travolta's (YES, I said John Travolta) book called *PROPELLER ONE WAY NIGHT COACH*. This is an easy one half hour read. And read it you MUST, as I can't do it justice.

Aviation is a lot of things to a lot of people. Some fly, some build, and some do both. However, some fly arm chairs and the books are the fuel and flight plans.

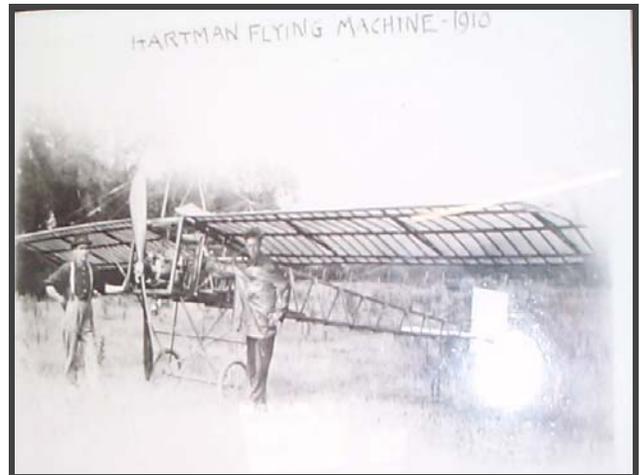
On hard winter nights, or laxy summer days, we can all take advantage of these and many more find books.

→ → So pick one up, kick back and fly!!! → → →

**HARTMANN
UPDATE**

The Chapter 135 Board of Directors has made a decision to build a 100% scale of the Hartmann monoplane. This should yield a plane of about a 32 foot wing span. Roger Bocox is currently finishing up the CAD drawings, and will be soliciting assistance in building ribs, spars and various other parts of the aircraft. Mike Abrahams has already agreed to provide a scale propeller and engine combination. This will be a non working engine, made out of wood and old spare parts. Since the construction in 1910 was crude, at best, the replica will be built in a similar fashion using materials available and fittings available at that time.

No location for the airplane has been finalized at this time. →



NEW MEMBERSHIP CARDS

You will be receiving new membership cards to carry in your wallet this month. Some of you will receive them with this newsletter, others in the mail. Please fill in your National EAA number, and carry with you. If you rent the scales, or need to show you are a Chapter 135 member, you will need to show your card. →

PROP WASH

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