



EAA Chapter 478  
***COCKPIT CHATTER***  
Lexington Park, MD April 2001

**FROM THE EDITOR**

Next Chapter Meeting:

17 April 2001 at 7:00 PM  
St Mary's Airport Terminal Building

In this issue of *Cockpit Chatter*:

Calendar of Events has been included to help us all plan and support chapter activities.

From the Top, Bernie provides some personal thanks and looks forward to trip reports from Sun 'n Fun. He has a copy of the POBEREZY book for checkout through the library. Bernie asks us to "sieve the moment" in support of our activities.

Chapter Meeting Minutes, one way to increase communication in the chapter is to pass on the minutes from meetings using this newsletter. Bernie Wilder gives us a complete review of the last chapter meeting. Any questions?

Governing Board Meeting Minutes, routine business is handled at once-a-month governing board. Bernie Wilder provides the details of the board meeting. Key topics included name tags, lack of a Program Chairman, a chapter events display board, Articles of Incorporation, Air Expo, hangar pad request letter, and a chapter patch. Don't forget everyone's welcome to attend board meetings.

*Cockpit Chatter* is published monthly by EAA Chapter 478 solely for the dissemination of information and ideas to the membership. Any opinions expressed herein are strictly those of the author and do not necessarily reflect the opinions of the chapter or the Experimental Aircraft Association.

Chapter Officers  
President: *Bernie Wunder*  
Vice President: *Tom Weiss*  
Secretary: *Bernie Wilder*  
Treasurer: *Lois Rose*

Committee Chairs and Chapter Advisors  
Social Chairman: *Open*  
Program Coordinators: *Open*  
Librarian: *Paul Gambacorta*  
Flight Advisor: *Stu Fitrell*  
Technical Counselors: *Ed Stewart, Nate Frank,*  
*and Rich Gill*  
Newsletter Editor: *Paul Gambacorta*

Air Expo, Mike Logan describes the plans for our chapter's support during Air Expo. Please volunteer for the Air Expo over the Memorial Day weekend at Pax.

Young Eagles, Greg Stevens details the requirements for Young Eagles scheduled for June 9<sup>th</sup>. Wanted pilots and ground crews.

Curtis A1 Replica, Project Chairman, Sid Wood gives us an update on the A1. Ray Stinchcom is researching the finer details of the "OX" engine. Sid needs somebody to start building some wing brackets. Pitch -in!

Member's Forum, With Spring arriving full force and Sun 'n Fun activities, we're taking a break from the member's forum. Hope to include some interesting adventures next month.

From the Web, provides several interesting items including RV building gets its own TV series, Van's one-ups the -6 with a -7, a Superior engine, and remembering Tony Bingelis.

In the Chocks, Patty Stiegman tells us about St Mary's AWOS. Did you know what Bernie Wunder was doing five years ago?

Membership Roster, is provided to help chapter members keep in touch with one another using e-mail. Any updates?

- Paul Gambacorta, Editor

**CALENDAR OF EVENTS**

<b>Event</b>	<b>Date</b>	<b>Location</b>
Sun-N-Fun	8-15 Apr	Lakeland FL
Chapter Meeting	17 Apr	2W6 Terminal
Board Meeting	4 May	
Chapter Meeting	15 May	2W6 Terminal
Air Expo	26-27 May	NAS Pax River MD
Board Meeting	8 Jun	
Young Eagle Day / Pancake Breakfast	9 June	2W6, St Mary's Airport
Chapter Meeting	19 Jun	2W6 Terminal
EAA SportAir Workshop	23-24 Jun	FDK, Frederick Airport
Board Meeting	7 Jul	
Chapter Meeting	17 Jul	2W6 Terminal
EAA AIRVENTURE	24-31 Jul	Oshkosh WI
Board Meeting	Aug	
Chapter Meeting	Aug	2W6 Terminal
Fly-in/Open House	15 Sep	2W6, St Mary's Airport
Board Meeting	5 Oct	
Chapter Meeting	16 Oct	2W6 Terminal
Board Meeting	9 Nov	
Chapter Meeting	20 Nov	2W6 Terminal
Board Meeting	7 Dec	
Chapter Meeting & Christmas Party	18 Dec	2W6 Terminal

**FROM THE TOP**

*Bernie Wunder, Chapter 478 President*

First off, I would like to thank Richard Van Natta for providing both the program and the refreshments at last month's meeting. We spent some quality time discussing and watching the story of the Wright Brothers. In two more years we will celebrate the 100<sup>th</sup> anniversary of flight and maybe we should start planning something for a local celebration! Thanks again Richard.

I think we will have several representatives attend the Sun and Fun fly-in before our next meeting. If you have some interesting stories, pictures or whatever, bring them to the chapter meeting and share them with the rest of us. If you have any show and tell items from your projects, these "impromptu" talks are always of

interest to those attending the meeting. If it is nice weather, please consider flying(or towing) your airplane to the meeting..you can park right outside the door of the terminal.

I received a complimentary copy of the book POBEREZNY-The Story Begins... for our library. If anyone is interested in reading the life story about the founder of EAA, you are encouraged to check the book out from our library.

And now for the sermon: Somehow my time just keeps slipping away and I don't accomplish all those things I want to. I know we are all busy, but I would implore all of you to read Sid's update on the A-1 project and lend a helping hand. We also have Air Expo and Young Eagles Day coming up. I just counted the membership list and we now have over 30 current members that are paid up....and there are probably 10 more that have not had the opportunity to pay their dues. I think we have the membership numbers to accomplish the goals we have set our sights on and all we need to do is act. People who take action are called go-getters. When they set a goal, they act with purpose, persistence, passion and without procrastination. A person of action will "seize the moment" because they act at the right time. A person of action is not merely a thinker but is a doer. If you want something to get done, you must take action. So I would ask, are you one of the chapters go-getters? If so, I thank you for your contributions. If you are not sure, please consider seeing one of your board officers or committee chairman about where you can help out. :o)

C U at the meeting on the 17<sup>th</sup>.

- Bernie  
*Bernie Wunder*

## **CHAPTER MEETING MINUTES**

For 20 March 2001

President opened the meeting by introducing guests and new members.

Minutes of the last meeting were approved as published in the newsletter.

The deliberations of the Governing Board were reviewed.

The Board recommended that the Chapter protect its options by submitting a letter to the Airport Commission expressing our interest in obtaining a pad in the area of the new proposed airport expansion. It was moved and seconded that we submit such a letter.

Reported that Bob McCall was requested to prepared the documentation needed to file for Articles of Incorporation.

Reports were received by members responsible for the Fly-In, Young Eagles Day and the A-1 project. It was noted that the Fly-In at W75 included antique cars and speculated that we might do the same.

Builders reports were given.

An FAA inspection check list for home built aircraft was distributed. It was noted that the list wasn't always followed and that individual inspectors interest varied widely.

President requested that members bring photos and other things that might be used in the display booth the Chapter plans to have at the Air Expo.

Sid Wood had received a video on the new landing procedures for Sun-N-Fun and was making them available to those who were going to fly down.

The program for the evening was presented by Richard VanNatta. He led a short discussion on the Wright Bros. And then showed an interesting video about their development of the Wright Flier.

Refreshments were also provided by Richard VanNatta. Many thanks.

- *Bernie Wilder, Secretary*

### **GOVERNING BOARD MEETING MINUTES**

For 6 April 2001

President, Vice President, Secretary, and Past President Sid Wood were in attendance.

Treasurer reported that the name tags had arrived. Board proposes the people can request a tag at meetings. Tag will given free of charge until they are exhausted.

President again lamented the lack of a Program Chairman.

Secretary was given assignment of designing display board for use at Chapter events.

President reported that Bob McCall has completed work on the articles of incorporation and was only waiting for the issue of a permanent address to be resolved before finalizing them.

Mike Logan is to present information on participation in Air Expo at next meeting.

Secretary to meet with Patty Stiegman to get information on format of letter to request a pad at the airport. Letter will be prepared for review.

Tentative program ideas were discussed.

April - Sun-N-Fun reports.

May - Work night and Wilder slides from  
Sun-N-Fun

June - Restoration report. (Will approach  
builder)

July - Picnic

Aug - Builder Home visit - Wilder's Glass  
Goose

Sept. - Logan's ranch ? ? ?

Board recommends that we hold a design contest to pick a design for a new Chapter patch.

Tentative outline -

- Designs must be submitted by the July picnic, where they will be on display for member comment.
- Design criteria will be discussed but should include items like - recognition of state, Chapter number, recognition of Southern Maryland, contain the words ``Experimental Aircraft Association'', contain an airplane.
- Design to be judged on artistic merit and not on presentation of design.
- Judging to be done by Governing Board.
- A prize will be awarded - \$50 gift certificate???

- *Bernie Wilder, Secretary*

### **AIR EXPO**

Spring time is here, the trees are starting to bud out, the robins are everywhere, the sun is coming up earlier and going down later and the occasional snow shower lets us know that we still live too far north. It is that time of year that everyone starts thinking about dusting off the old plane and going for a flight. It is also the odd year which means that Patuxent River Naval Air Station is having its biannual Air Expo.

This year it will be two days of air plane fun. The chapter has signed up for a display space inside one of the hangars. It will have four tables and a bunch of chairs, enough room to display just about anything we want. We are thinking about putting up some pictures of the homebuilt aircraft our chapter members have built plus some parts of planes currently in production. Please bring any pictures you have of your construction project and planes to the chapter meeting so that we may scan them and enlarge them for the display. Bernie Wilder has volunteered to bring part of his boat/plane for the display and I am going to bring a wing section from my kitfox. If other members have any small items like that and they are willing to provide them for the display, please let me know.

We will also be displaying Young Eagle stuff to try and drum up some business for our flight leaders. If anyone is planning on flying their plane in, don't forget to get your paperwork in so that we may plan for the space needed. We will need some volunteers to man the display during the two days and help set up and take down the display. Please let Bernie Wunder or me know at the chapter meeting if you will be able to volunteer or call me at work or at home [home (410) 326-9259, work (301) 757-5904]. If we get enough people, we can break the times up so that you will have time to wander around the ramp, watch the crowds and see what is on display.

- *Mike Logan*

### **YOUNG EAGLES**

Just a reminder of some minimum requirements for Young Eagles Pilots. The next Young Eagles rally is June 9, 2001 and pilots and ground crew are needed. Please call me at 301-863-2683 or [gstevens@mail.uzoom.net](mailto:gstevens@mail.uzoom.net) if you need additional information or sources for any of the following items:

- +Membership: EAA National Membership or member of authorized organization. List of approved partners available at <http://www.eaa.org/youngeagles/yepart.html>. EAA membership application also available on line.
- +Insurance: Aircraft owners as well as renters must have personal aircraft liability insurance.

+EAA provides free Excess Passenger Liability Coverage for EAA Members who have a minimum underlying aircraft liability coverage of \$100,000 per passenger seat.

- *Greg Stevens*

### **CURTISS A1 REPLICA**

Last month my auto planer broke down as I was working on wing rib parts. The planer was still in warranty, so I ordered another motor shaft from the manufacturer. Watching the dust settle waiting for parts is not my idea of a good time. So, I bought a Craftsman auto planer from Sears. I have the new planer set up and running. It is a much better unit than the (two months) old one. I'm making lots of wood chips now.

Ray Stinchcom found a 5/8<sup>th</sup> quarter-round router bit in the Sears Industrial catalog. I bought one and have it set up on my router table. The plan is to cut the leading edge bull-nose and proceed to glue together a wing section. If all goes well, I will have a wing section ready for your inspection at the April Chapter meeting. Bernie Wunder wanted to display a wing section at the Pax Air Expo in May. I think that is very possible.

Ray Stinchcom has been researching the finer details for the A1 engine. We have just about written off getting an "O" type or even an "OX" engine. I provided Ray with pictures of the "OX" engine that were sent to us from the Pensacola museum. Turns out the two engines differ only in internal displacement and upgrades not observable on the outside other than the data plate. Ray is trying to get a viewing session at the Smithsonian Silver Hill facility. Rumor has it that they have an "O" engine in storage there. It is unlikely the Smithsonian will turn loose this last remaining dinosaur. Won't hurt to ask.

The first objective is to get dimensioned pictures. Ray views it as a challenge to make up a wooden replica. Getting an actual engine would take all the fun out of it.

PolyFiber is making good on their agreement to furnish all of the covering supplies for the A1. They have sent me a one-gallon epoxy varnish kit. All of the wood surfaces will be painted with the epoxy varnish. In turn, the wings and control surfaces will be covered using the PolyFiber system. The finish will look like the white rubberized cotton fabric used on the original A1 aircraft.

One note on spelling: All of the literature and plans that I have indicate Glenn Curtiss spelled his name with two s's. My spell checker steadfastly suggests only one s. That's my story and I'm sticking to it.

I am repeating my plea from last month for assistance in making the sheet metal brackets for the A1. The universal material is 0.063 4130 flat sheet. (I can obtain the 4130 locally.) Most of these are bent to shape after cutting and drilling. The wing brackets also have tabs and pipe sockets gas welded on for the diagonal brace wires and interplane struts. The plans that we have are very detailed as to the construction of these brackets. The plans also have flat-sheet layout and drill patterns. Please contact me if you can help with any phase of construction for these brackets.

- *Sid Wood*

### **MEMBER'S FORUM**

Spring has finally arrived with a nice blast of warm air. With the several members heading down to Sun 'n Fun and other's tending to their dream machines leaves very little time to pen something for the newsletter. However, these adventures should payoff with some interesting articles for next month's Member's Forum.

## **FROM THE WEB**

From Kitplanes (www.kitplanes.com)

The Discovery Wings Channel will debut "From the Ground Up," an original 13-part series detailing the construction of a Van's RV-8 kit aircraft. The weekly half-hour series premieres on Sunday, April 8 at 8 p.m. ET/PT (check local listings).

"From the Ground Up" charts the struggles and satisfactions, as well as tips and tricks of building a kit airplane. Hosted by Mark Annick and Joe Schumacher, the series is designed to be of interest to both experienced and inexperienced kit builders. Each episode is self-contained, briefly recapping the steps outlined in previous episodes. In addition to illustrating the building process, the series contains background on the history of the homebuilt movement and the restoration of vintage aircraft and warbirds. The series is produced by the Discovery Wings Channel in association with EAA Television. [I didn't find it on my TV Sunday - what's up with that? - Ed.]

From AOPA ePilot -- Vol. 3, Issue 13

### **VAN'S AIRCRAFT INTRODUCES RV-7/7A**

Van's Aircraft has introduced its most advanced design--one that's also said to be the easiest to build. As an encore to the popular RV-6/6A, the roomier RV-7/7A offers comparable performance, better visibility, greater useful load, and longer range. It will also accept Lycoming engines in the 150- to 200-hp range, giving builders more options. A Van's official said that the company will continue to support RV-6 builders. For more, see <http://www.vansaircraft.com/>.

From AOPA ePilot -- Vol. 3, Issue 14

**SUPERIOR ANNOUNCES LOW-OCTANE ENGINE** - Superior Air Parts Inc. will announce at the Sun 'n Fun EAA Fly-In a factory- new, zero-time engine for the experimental aircraft market. Although all the parts are FAA-approved, the engine has not been certified yet. The 180-horsepower, four-cylinder XP-360 engine can run on 91-octane auto fuel. It features a computer-optimized camshaft designed for better cruise economy, lower valve-train loads, and smoother operation, in addition to a dynamically balanced crankshaft. The engine is being built at Teledyne Mattituck Services in Long Island, New York, and is available immediately. Special Sun 'n Fun prices start at \$21,500 for the carbureted model, \$26,280 for the fuel-injected one, and \$29,990 for the model with a computerized full-authority digital engine control (FADEC) system. For more, see (<http://www.superiorairparts.com>)

From AVflash 7.14a

**TONY BINGELIS FLIES HOME:** If you've ever talked about building a plane, someone has likely suggested that you start your project with a book by Tony Bingelis. Bingelis wrote four books on somebuilding that are considered classics. Last week, the 81-year-

old passed away from heart problems. All who knew him or knew of him will miss him.

### **IN THE CHOCKS**

Patty Stiegman, the Airport Operations Manager has provided the following information about the airport's AWOS which is now active.

Frequency: 119.575

Telephone: 301-373-6514

When you listen, you'll notice it says test. That is because the FAA has not commissioned it yet, and they will not be liable for accuracy. Thanks Patty.

Did you know five years ago Bernie Wunder was the chapter president. He had just discovered the internet and was asking questions about the KR-2. Things haven't changed much because he's was begging for help even back then. Bill Mnich was the newsletter editor. Doug Small was describing his great dinner at the Outback Steakhouse in Florida while he was hanging around to watch the Space Shuttle Atlantis launch mission STS-76.

Please fill out the member renewal and/or information update sheet that I've attached to the end of this newsletter for Lois.

- *Paul Gambacorta, Editor*

**EAA Chapter 478  
Member Renewal and/or Information Update**

Bring this to the meeting or mail it with your 2001 dues to:  
Lois Rose, EAA 478 Treasurer, 44482 Whitestone Place,  
Tall Timbers, MD 20690

Name \_\_\_\_\_ EAA Number \_\_\_\_\_

Email Address \_\_\_\_\_

Spouse Name \_\_\_\_\_ EAA Number \_\_\_\_\_

Email Address \_\_\_\_\_  
(if spouse also wishes to receive newsletter)

Mailing Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip Code \_\_\_\_\_

Type of Aircraft Owned? \_\_\_\_\_

Aviation Interests? \_\_\_\_\_

\_\_\_\_\_

Chapter Projects you would like to help with:

- |   |                                   |                                       |
|---|-----------------------------------|---------------------------------------|
| <input type="checkbox"/> A-1 Construction | <input type="checkbox"/> Air Expo | <input type="checkbox"/> Fly-In       |
| <input type="checkbox"/> Open House       | <input type="checkbox"/> Programs | <input type="checkbox"/> Young Eagles |

What else would you like the chapter to do this year? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What could the chapter do to get you to be more involved in the EAA?

\_\_\_\_\_

\_\_\_\_\_