

MILE HIGH FLYER



APRIL 2000

VOLUME 24 ISSUE 4

FROM THE PRESIDENT

This month I decided to get off the soap box and talk about a "how to" project. Earlier this year I built a special flashlight for my daughter to use while observing the stars. She needed a way to view star charts at night and still keep her eyes adapted to night vision. A simple flashlight with a red lens is the normal way this is done, but I have to be different. I wanted something special.

What I decided to do was to replace the normal light bulb with an LED (light emitting diode). This LED, sometimes known as a laser diode, is not the kind you see in the movies that burns holes in things. It is a low output device with a rather high efficiency. As I was building and testing this I thought of various uses this light might have. What came to mind first was an emergency cockpit light in an airplane. The light intensity is more than adequate to read a map or panel instruments. The red color will not interfere with night vision.

To construct this, first you need a flashlight. The larger it is the easier it is to modify. The smaller 2-cell double A flashlights work but sometimes it is difficult to find room inside to add the necessary components. Next, you will need to get an LED. You can find one at Radio Shack. The ones I like to use put out about 2 candles of light intensity. The output is listed on the package and will read 2cd or 2000 mcd. They come in several colors but a red one with a clear lens is what you need. Most LED's require about 2 volts to operate. A 2-cell produces 3 volts so you have to lower the voltage. A 47-ohm resistor reduces it about 1.2 volts, which is close enough. The resistor is soldered in series with the cathode lead of the LED. (The package will show you how to identify the leads.) The resistor's other lead is attached so it makes contact with the on-off switch. The anode of the LED should make contact with the + end of the batteries.

The construction is simple with only common hand tools needed. Each style of flashlight is different but the basic design is the same. I will bring a sample to the next meeting for anyone interested in making one to inspect. This would be a useful addition to any emergency kit.

APRIL MEETING:

This month's meeting will be **Saturday, April 8th**, at **Tri-County Airport** in the large "FBO" hanger/terminal building - Alpine Aero Industries. Take CO Hwy 7 to the main airport entrance - Airport Road, and follow it to the terminal building parking lot.

BRING CHAIRS!!!

BRING CHAIRS!!!

The program will be a presentation on the EXPLORER by Australian Geoff Dane.

March Meeting Minutes

March 11, 2000

The meeting was called to order at 7:22 PM by President **Roger Standard**.

VISITORS: **Glen Crowder:** Europa owner, and student pilot flying with Bill Mitchell. **Mike Easley, Bobby Rice,** also a student of Bill's, **Kirk Jubeck:** interested in a Velocity or Long EZ (check this month's For Sale Ad's, Kirk). **Kevin Townsend,** who has just joined our chapter. Also visiting were **Brandon Ersiorg, Terry Johnson, Bob Marietta, Henk Meewis,** and our guest speaker, **Mitch Sherburne** of **Front Range Powder Coating.**

FEBRUARY MINUTES: M-S-P'd (Moved, Seconded, and Passed by vote) as published.

TREASURER'S REPORT: We are solvent to the tune of \$2,470 in the check book.

EAA SCHOLARSHIPS: Steve Beach noted that \$500 to "Full Ride" scholarships are available for Air Academy attendees by application. Steve also reported that Earl Bolton, a Boulder High School Aviation teacher has two students interested in attending the academy. On another note, Steve recommended visiting the Soaring Society of Boulder's web site (soar.boulder.co.us) for their meeting schedule of future meetings to address concerns over the threatened closing of the Boulder Municipal Airport.

PROGRESS REPORTS: Chuck with the RV-6A made his first engine run the day of the meetings. Mike Gugler needs to borrow scales for his RV-6's weight and balance check. Michael Charles is dismantling his Cessna. George Meshko is dismantling his Zenaire after weighing it for additional changes. Glen Crowder's Europa is getting some radiator and Tail wheel mods. (The secretary/editor needs help with names on the progress reports - **please state your name along with your report.**)

TRIP REPORTS: Dean Cochran and Mas Yoshida flew to Hot Springs SD to visit former area RV-er Larry Vetterman. Ib Hansen is working feverishly on his Cassutt racer trying to get it ready for the Reno Air Races.

SNOWBUSTERS: Chapter 720 is holding their annual "Snowbuster" Pancake Breakfast on March 26th starting at 8:00 AM.

SAFETY: Ron Denight, Chapter 43 Tech Counselor and Safety Rep., reported on a rash of mid-air collisions around the country and cautioned a "heads up and eyes wide" in heavy traffic areas. Ron also recommended against using Randolph 802 (fuel tank) sloshing compound, after a report of an in-flight engine stoppage due to the compound reacting with ethyl alcohol in the fuel. The Editor also experienced this some years ago with engine stoppage during taxi to take-off!

GENE'S CORNER: One of the most important pieces of **pro-aviation** legislation in many years- House Bill AIR-21, was passed by the House and was being forwarded to the President for signing. Once enacted, the bill will provide for the "unlocking" of the \$40 billion Airport and Airways Trust Fund to pay for the FAA's facilities modernization programs, upholds guaranteed funding levels, and airport improvement funds. The bill also amends several facets of Aviation Law, including enactment of the "Hoover Bill", limiting the FAA's ability to lift an airman certificate.

GPS DRAWING: The rules for the upcoming drawing, to be held after the break, were discussed. Four numbers were to be drawn and published in the newsletter (no - the editor didn't win), first to respond to Roger with the winning ticket wins the GPS generously donated to the Chapter by Mas Yoshida. The numbers drawn (in order) were 755052, 755055, 755009, & 755041. Dick Voss was present with one of the numbers, but rules require that the tickets win in the order they are drawn. Call Steve Beach or Roger if you hold the **first winning ticket.**

(CONTINUED ON NEXT PAGE.)

(MARCH MINUTES, CONTINUED.)

CHAPTER NAME BADGES: Sign up for yours with Herrill Davenport - \$6.00 payable in advance.

YOUNG EAGLES: April 22 at Platte Valley Fly-in breakfast, May 20 & 21 at Tri-County Airport's Erie Town Fair, June 24 at the RMR Fly-In, Longmont, and July 15th at the Greeley Airport. All events start in the AM.

BUSINESS MEETINGS: A discussion ensued about the length of business meetings (and this time I didn't start it!). Roger said he would try to keep them as short as possible.

LYCOMING ENGINE: Don Coleman informed the group of a 160 H.P. Lycoming O-320 in a Cherokee. Call him for more information at 303/666-8870.

PROGRAM: The Chapter was visited by Mitch Sherburne of Front Range Powder Coating, and informed of the attributes of the powder coat metal protection system. Mitch is the son of Andy Sherburne, well known local engine builder. Mitch can be reached at 970/484-9149 for free estimates.

DATA BASE & E-MAIL

We have had a changing of the guard on the chapter's database. Gene Milligan has passed the effort on to Gene Horsman.

In the process, we have had a problem with some of the software, and with Mark Yelich's assistance, have found some work-arounds. Mark was the original author of the software.

I would like a little more time to put together a new roster for 2000. What with my computer problems, etc., it isn't all coming together yet.

If you have a problem with your address label please let me know. My e-mail address is ehorsman@juno.com and my address is 210 Lookout View Ct., Golden CO 80401-2518. Phone 303/279-5782.

Thanks, Gene Horsman.

BREAKFAST FLY-OUTS

Dave,

I know I told you of the (fly-out) changes at lunch one day at the terminal building, and I don't know if the info. has been sent except by word of mouth to the local guys. But this is the final draft: **April 8th to CYS** (Cheyenne WY), depart BJC (Jeffco) at 0800. **April 15th to PUB** (Pueblo CO), departing BJC at 0730. April 22nd to BFF (Scottsbluff NE), departing BJC at 0800. Hope to see you all tag along!
Pat Claar, Chapter 43 "Cafe 43" chairman.

E-MAIL & YOU

If you aren't yet receiving your newsletter by e-mail and would like to do so, please contact Kelly Koop at 303/914-9687, or e-mail at keldog@usa.net.

THE POST MEETING MEETINGS

As most of you know, there are many chapter members who like to get together for pizza and a beer or soft drinks at a local establishment. Trouble is, the local Pizza Hut has become unco-operative lately and refuses to cater to our whims (staying open 'til midnight or so). So, I guess we need a new place! Any suggestions...some place not too far from Tri-County with the above menu? Bring your ideas to the meeting.

FOR SALE

LONG EZ PROJECT

Airframe 85% complete, built by an engineer. For more information, call **Dennis Wruk** at 303/987-1876.

WANTED:

A set of **Dyke Delta Plans** to examine and maybe buy. Call: **Jim Loyd** at 303/280-3271.

STEVE'S CORNER:

BY STEVE BEACH

GPS RAFFLE:

At the March meeting the winning numbers for the GPS raffle were drawn. Four numbers were pulled from the hat before a winner that was present was identified. The first three numbers still have an opportunity to win. Just check your tickets against the following numbers and if you have one of the numbers contact Roger Standard at 303-857-4821. The winning tickets were as follows:

- #1 - 755052
- #2 - 755055
- #3 - 755009
- #4 - 755041 Dick Voss

We're betting that Dick is hoping no one calls.

Chapter 43 owes Mas Yoshida a big round of applause and thank-you for donating the GPS unit for the raffle. The chapter brought in over \$120.00 to the treasury to help send a student to the Air Academy 2000.

TIDBITS:

Some 'good news' this month.

BOULDER:

As reported in last months newsletter the Boulder Airport was not in good shape with the local residents. Due to pressure of the airport tenants, and in particular two individuals from the Soaring Society of Boulder, the council reviewed the proposal for low-income housing sites and withdrew the airport from consideration. To say the least this is very good news for the GA flying community.

In my years of watching political action I have never seen such an organized and wholehearted movement to stop an action by a local government. The council not only overturned the planning boards recommendations but has asked the board how the airport recommendation even came up before the council. It would appear that one individual that lives near the airport had a strong pull with the board and the council was not at all amused.

One rather important argument came from the Boulder Fire District. They sent a letter explaining that the airport plays a major role in fighting grass fires in the Boulder area by having a quick turn-around facility for their single engine aircraft. That is a good argument to remember if you ever find yourself in a similar battle.

An outcome of this action was a new awareness of how important it is to remember the noise that aircraft generate and how it affects our neighbors. The SSB and Mile High Soaring have been trying to get a field approved 337 for new four bladed props on the Pawnees on the field that they use for towing. With the new push for quieter aircraft in Boulder they have now gotten the attention of the FAA and may have approval within the month.

A new committee has also been set-up to talk about flight routes in and out of the airport with a new look at how the glider towing operations are handled. Jeffco is currently looking at the best arrival and departure paths to avoid the new residential areas, and the other small airports should probably be studying the same issue.

Yes the airports were here first, but the local non-aviation residents far outnumber the local GA residents and we will all have to alter our old habits slightly to keep peace. One of the best ways to gain a positive review from the general public is to have good relations with the community. The Young Eagles program is just one example of a great way for the youth and their parents to have a positive experience at the airport. Keep that in mind when Bob Lee needs some volunteers for this years YE rallies, and Michael Maya Charles needs help with the Tri-County Open House weekend.

2000 RMRFI:

The plans for the 2000 Rocky Mountain EAA Regional Fly-In are in fourth gear and building speed quickly. Monty Taylor from the FAA has agreed to bring the new mountain flying video that premiered last week at the old Lowry Base Theatre. Channel nine will be covering the event on Sunday morning barring any last minute changes. The RC modeling clubs (Boulder, Longmont and Arvada) will have a static display on Sunday with demonstration flights at 11:00 am. After the RC flights the Front Range IAC will be demonstrating low-level aerobatic maneuvers. This will be an educational demonstration with explanations on what the maneuver should look like and what the pilot is doing to make it happen.

For the youth: Roger Standard is coordinating rib building seminars and a rocket building workshop, if a sponsor can be nailed down. Bob Lee is working on the Young Eagle rally scheduled for earlier Sunday morning before the winds come up.

For the builders and pilots: As in the past Marvin Wahl will be holding continuous seminar/workshops on metal forming. A major welding company will be holding demonstrations on proper welding techniques. Efforts are being made to have two auto engine conversions seminars.

CONTINUED ON PAGE 5.

This years Regional is shaping up to be one of the best yet. If you can volunteer some time, be sure to sign up at one of the meetings or call one of chapter 43's representatives; Roger Standard, Gene Horsman, Kelly Koop (head of operations), Dave Bieseemeier (chief judge), Bob Lee or myself.

SNOWBUSTER

On March 26th Chapter 720 held their annual Snow-buster Pancake Breakfast at the Greeley Weld Airport. Unfortunately the weather (winds) did not cooperate and very few aircraft were able to make it. I was lucky enough to catch a ride with Mas Yoshida in a flight of two with Pat Claar. After a turbulent exit from Jeffco the flight was fairly smooth to Greeley. However shortly after getting there the winds went up considerably as a front moved through.

Some of the aircraft that made an appearance were: Bill & Mary Mitchell in their T-18, Ib Hansen in a Cassutt, Rich Clements & his son in the Falco, and Kent Paser in his highly modified Mustang II. Mas introduced me to Kent and I was able to learn a little about what he has done to the Mustang over the last 20 years. His latest change is a new turtle deck that bought him 14 MPH. His only complaint is the crosswind landing capability has dropped with the added square footage to the fuselage.

By 11:30 the winds had died down enough to start back to Jeffco. As Pat turned final for runway 02 the tower announced that the winds were calm. Pat came back with "I must be at the wrong airport!!" Despite the high winds it turned out to be a good day for everyone that attended.

MEETING NOTES

The April 8, 2000 meeting will be held at the Tri-County FBO hangar at 7:00 P.M. This is the big hangar at the FBO. Park in the airport lot, on your right as you reach the cross taxiway. Don Coleman, now runs the maintenance shop at the hangar and is making room for us around the "Explorer."

We will be seeing and hearing about the Australian "Explorer" aircraft. The company's one and only prototype is being converted from piston power to turbine power (turboprop). Geoff Danes, the chief mechanic and builder is doing the conversion from the 350R model to the 500R/T model. Geoff and his fellow worker, John Joseph will tell us of the airplane and its origin and capabilities. They are employees of the company in Australia that also builds the Eagle, a canard type aircraft. Geoff is a many hour commercial pilot and also the builder of one of the first Rutan Varieze in Australia as well as a one of a kind single placer. He has pictures of these to show us. See you there and **bring a chair**, if you want to have a seat.

2000 CHAPTER 43 MEETINGS:

- | | |
|---------------|---|
| April 8, 2000 | Tri-County Airport - Alpine Aero, Explorer Presentation. |
| May 13, 2000 | Tri-County – Don Coleman's Hanger - Chapter 43 annual picnic |

OTHER REGIONAL EVENTS: (Bold print indicates an EAA sponsored activity)

- | | |
|-----------------------|--|
| Apr 22, 2000 | Platte Valley Pancake Fly-in. This is a fund raiser for their flying museum and the one they had last fall was great fun. Morie will be flying all the replicas, and if last years success is duplicated, there will probably be more than 100 aircraft flying in.. For more info call Marilyn Taylor 303-536-0380 |
| Apr 9-15, 2000 | Sun-n-Fun EAA Fly-In - Lakeland FL |
| Jun 24-25 | 22nd Annual Rocky Mountain EAA Regional Fly-In - Longmont |
| Jul 5-9 | Northwest EAA Fly-In - Arlington WA |
| Jul 26 - Aug 1 | EAA AirVenture Fly-In - Oshkosh WI |
| Sep 9-10 | Goldenwest EAA Fly-In - Atwater CA |
| Sep 9-10 | Midwest EAA Fly-In - Marion OH |
| Sep 16 | 4 th Annual Full Moon Hangar Party – Boulder – Business Aircraft Sales – 303-444-5560 This is 'not-to-miss' party! |
| Oct 6-8 | East Coast EAA Fly-In - New Garden PA |
| Oct 12-15 | Copperstate EAA Fly-In - Mesa AZ |
| Oct 13-15 | Southeast EAA Fly-In - Evergreen AL |

SUBMISSIONS:

If you have an article, For Sale ad, or any other item of interest to the membership of chapter 43, please be sure it gets to your newsletter editor *at least two weeks* before the date of the meeting. Submissions are welcomed and encouraged, and may be mailed, e-mailed, or even given over the phone (for a short ad or message). Send them to:

Dave Bieseemeier
 430 Antero Street
 Golden CO 80401
 303/384-3760
 dbieseemeier@wans.net

EAA MILE HIGH CHAPTER 43

CHAPTER OFFICERS:

President - Roger Standard.....303-857-4821
Vice President - George Hayes.....303-772-7040
Vice President - Bill Mitchell.....303-427-4025
Secretary - Dave Biese-meier.....303-384-3760
Treasurer - Bob Wilson.....303-682-1857

VOLUNTEER OFFICERS:

Technical Counselor - Ron Denight.....303-452-0458
Technical Counselor - Marvin Wahl.....303-935-9934
Technical Counselor - Art Schwarz.....303-412-6913
Flight Advisor - Bill Mitchell.....303-427-4025
Newsletter Editor - Dave Biese-meier.....303-384-3760
Young Eagles Coordinator - Bob Lee.....303-456-1268
Membership Data Base Editor - Gene Horsman...303-279-5782

This newsletter is published by Chapter 43 of the Experimental Aircraft Association for the use, education, and enjoyment of the members and others to whom it is provided. No claim is made for technical accuracy of material presented. Editorial content is the opinion of the contributor and does not reflect the position of Chapter 43 or the Experimental Aircraft Association.

Submission of articles, comments, or inquiries for publication in the newsletter are encouraged.

Meetings are normally held on the second Saturday of each month at 7:00 P.M. The place is determined each month.

Disclaimer: Be aware that as always, in past, present, and future, any communications issued by Experimental Aircraft Association Chapter 43, regardless of format, and/or media used, which includes, but is not limited to, this newsletter and audio/visual recordings, is presented only in the context of a clearing house of ideas, opinion, and personal experience accounts. Anyone using ideas, opinions, information, etc., does so at their own risk. Therefore, no liability is expressed or implied by the Experimental Aircraft Association Chapter 43, or any of its members. Any event announced and/or listed herein, except as noted, is done as a matter of information and does not constitute approval, sponsorship, control, or endorsement of said event.

MILE HIGH FLYER

EAA MILE HIGH CHAPTER 43

David Biese-meier, editor
430 Antero Street
Golden CO 80401

FIRST CLASS



THIS MONTH'S MEETING:

SATURDAY, APRIL 8TH, 2000 at 7:00PM . See inside for details.