

The "Rogue Eagle" is a publication of the Rogue Eagles R/C Club, Medford Oregon - AMA 534

Rogue Eagle

www.rogue-eagles.org

February 2012

*Fuel Orders Due
Feb 25th!*

All Thumbs
Presidents Message

Plane of the Month
F4U Corsair

Nano Copter Swarm
Robotic Copters Maneuver

Electric Airplane Safety
Arming Switches Greatly Improve Safety

Runway Fund
Sample Runway Fund Spreadsheet

VR/CS Event
Event Info and Resources

**Don't Forget
Club Dues!**



ALL THUMBS- FROM THE PREZ'S CHAIR

My name is Jay Strickland and I approve this message

Wow, another winter month gone. What a great “Chili Fly” on New Years day! Hats off to Larry Myers and his crew for putting together such a well attended and delicious event. Great job also on the fire pit and campfire Gary Croucher, it added just the right amount of ambience!

I would like to thank everyone who came out in the cold for the Bill Grove/ Sam Arrigo memorial get together on Sunday. The generosity and fond remembrance shown by the Rogue Eagles was a testimonial to what kind of men Bill and Sam were to us. There was a lot of flying going on in tribute to these men and I know they had to be looking down and smiling at the activity. Thanks also Ben for the inspirational reading of the poem in dedication to our brothers.

The recent passing of our good friends and dedicated Rogue Eagles, Bill and Sammy, was definitely a wake up call for me. I too have a fairly large and assorted RC collection that includes many aircraft, engines, radios etc. My wife would not have a clue what most of it was worth (she probably doesn't even know I have a lot of it!) and even then the value can fluctuate so rapidly in our hobby. I plan to talk to one or two of my trusted modeling buddies and ask if they would be willing to even just appraise my collection for my spouse in the event something untimely should happen to me. I will then give her some ideas on ways she could liquidate the modeling gear. This would be one less thing for her to worry about in what would obviously be a time of great stress.

On a lighter note, congratulations to all of you! The Rogue Eagles RC Club has been awarded Gold Leader Club status by the AMA for 2012. They will be contacting District XI Vice President Mike Mossbroker and I'm sure you will hear more about this.

Remember “Take offs are always optional but landings are always mandatory!”
That is all for now, Granddog out.



Memorial Fly—January 29th 2012

MONTH	Gen. Fund After Gain/Loss—10% Runway Contrib.	3 YR. AVG. GAIN OR (LOSS)	10% RUNWAY CONTRIBUTION
JANUARY	\$7,228	YEAR END CARRY OVER	\$723
FEBRUARY	\$6,835	\$330	\$684
MARCH	\$5,553	(\$598)	\$555
APRIL	\$4,366	(\$632)	\$437
MAY	\$4,268	\$339	\$427
JUNE	\$3,026	(\$815)	\$303
JULY	\$1,923	(\$800)	\$192
AUGUST	\$4,322	\$2,591	\$432
SEPTEMBER	\$3,158	(\$738)	\$316
OCTOBER	\$2,394	(\$448)	\$239
NOVEMBER	\$2,038	(\$117)	\$204
DECEMBER	\$2,209	\$375	\$221
	CARRY OVER TO 2013 - \$1,988		TOTAL CONTRIBUTION \$4,733



NANO COPTER SWARM!

You Gotta See This—Unbelievable!

This freaky footage of a gang of tiny flying robots looks like it's straight out of a sci-fi flick. But it's 100 percent real.

Robotics researchers at University of Pennsylvania released a video of what they call "nano quadrotors" - tiny flying robots that engage in complex social movements like swarming and pattern formation.

The video shows what look like mini helicopters flying with remarkable agility and precision. They can do flips,

avoid obstacles, and shift direction effortlessly, all on command. Toss one up in the air, and it finds its balance and and flies back to the hand that launched it. Best of all, when in the company of other drones, they gather to fly in a figure-8 formation.

The machines come from UPenn's General Robotics, Automation, Sensing, and Perception (GRASP) lab. Scientists there hope that swarms of tiny bots like these can replace human search and surveillance teams, like those used after a disaster. But future technology will need to improve our ability to coordinate large groups of inexpensive robots, instead of programming and configuring each one manually.

Let's just hope these little guys don't get angry.

From Huff Post Science website

(Go to this website for video)→ <http://mashable.com/2012/02/01/swarm-nano-quadrotors/>



Vintage R/C Society Fly-In

August 31 – September 1, 2012

(Friday and Saturday)

Agate Field, Medford, OR

Dry Camping Available at Field

Open Fun Fly for R/C models that were published, kitted, or flown in 1976 or earlier. SAM R/C Assist models are welcome.

If you have been in this hobby for a long time, you probably remember the good ol' days when radio control was just getting started. Rekindle those memories and join us for two days of nostalgia, story telling, and flying.



There are some fantastic antique and vintage designs from back in the day. Check out that short list of classics to the right. → There's still time to build one of your old favorites. Heck, you might have one up in your rafters right now! There are even a few ARFs that qualify. Designs can be scaled up or down if you wish. Modern engines and radios are welcome. Bring along some of that old equipment to share memories and experiences with other enthusiasts. This gathering is all about getting back to the roots of radio control.



We do an informal climb-and-glide event, but other than that it's pretty much open flying. This is the only event of its kind west of the Rockies. Let's show them how it used to be done!



For more info, contact
Richard Schwegerl, CD
541-773-5479

Bob Stamm
360-301-0865

www.rogue-eagles.org

Here are just a few eligible designs

Legendary Models	Legendary Designers
Aeromaster	Lou Andrews
Antic	Lou Proctor
Astro Hog	Fred Dunn
Banshee	Jim Martin
Beach Comber	Jim Kirkland
Big John	Bill Northrop
Candy	Cliff Weirick
Chipmunk	Jack Stafford
Contender	Dave Platt
Crusader	Ralph Brooke
Daddy Rabbit	Jim Whitely
Das Ugly Stik	Phil Kraft
DeBolt Special	Hal DeBolt
Eindecker E-III	Nick Zioli
Eye Ball	Art Schroeder
Falcon 56	Carl Goldberg
Guff	Walt Good
Headmaster	Ken Willard
Kaos	Joe Bridi
Krackerjack	Bill Winter
Kwik Fli	Phil Kraft
Monster	Don McGovern
Patriot	Joe Foster
Pegasus	Jerry Nelson
Phoenix	Don Lowe
Pipsqueak	Dave Robelen
Skylark 56	Carl Goldberg
Smog Hog	Howard Bonner
Stormer	Doug Spreng
Taurus	Ed Kazmirski
Telemaster	Karl-Heinz Dezin
Yak-18	Claude McCullough
Zlin Akrobat	Maxey Hester

See more at www.vintagercsociety.org

VINTAGE R/C RESOURCES

Compiled by Bruce Tharpe February 2012

Information Websites and Online Forums

[Vintage R/C Society](#) - Click on "Eligible Airplane List" to see if your favorite design is listed. Don't be too upset if you can't find it - the list is not totally complete or up-to-date. If you know your design was published, kitted, or flown in 1976 or earlier, that's good enough for us!

[RC Universe](#) - Golden Age, Vintage, and Antique RC Forum. Fairly active.

[RC Groups](#) - Vintage and Old-Timer Designs Forum. Features a monster thread dedicated to online plans, which ultimately served as the inspiration for the Outerzone website listed below.

Traditional Plan Services provide printed plans to you through the mail. A reprint of the article is usually provided. Prices vary depending on the size and complexity of the plan.

[R/C Modeler Plans](#) - The magazine is long gone, but the plans are still available. The service is based in Gold Beach, OR. It's been my experience that you need to allow a few weeks for delivery.

[AMA Plan Service](#) - Over 18,000 plans from Model Aviation and John Pond's collection. You need to know what you are looking for, there are no photos of the models.

[Model Airplane News](#) - MAN seems to have trimmed down their list of plans over the years, but you can still find their most popular designs.

[Flying Models Plan Directory](#) - Lots of east coasts classics were published in FM over the years.

Online Plan Services provide plans as an electronic file which can be downloaded from the web, or in some cases via email. Some sites charge for their plans; some are totally free. Once the file is downloaded, you will have to get it printed. If the file is a PDF, you can print it in tiles (with Adobe Reader X) or take the file to a print shop and have it printed full size for a few bucks.

[Outerzone](#) - An amazing collection of over 2000 plans, all free to download. The focus is on old time and vintage F/F, C/L, and R/C designs with a rough cutoff date of 1970.

[Starcad](#) - One of the oldest plan sites on the web. Smaller selection than Outerzone.

[Plans Cooperative](#) - Roland Friestad's collection of about 600 plans. Most are F/F, but you will find some early R/C designs as well. Downloads are not free, and registration is required.

[Uncle Willies Site 1](#) - Interesting and entertaining site with lots of plans, cartoons, bikini models, occasional nudes, and a touch of profanity. Be warned, this site is not for the politically correct. The plans cost \$5 - \$20. What I like about the plans is that most of them have been cleaned up, corrected, and sometimes re-arranged for easier use.

[Uncle Willies Site 2](#) - More plans from the same guy. Same warning applies!

[Dave Fritzsche](#) - Just a few 1/2A designs, but they are all classics. Free downloads.

(continued top of next column)

Kit Manufacturers - There are still a few small companies out there making some famous kits.

[Bluejay](#) - Joe Bridi designs like the Sun-Fli 4 and Dirty Birdy.

[BMJR Models](#) - Half-size versions of the Astro-Hog, Taurus, Orion, and Perigee.

[Early R/C Models](#) - Esquire, DeBolt Champ, Falcon 56, Junior Skylark, H-Ray, S-Ray, Trainermaster, Minnie Mambo, School Boy, Roughneck, more.

[Eureka Aircraft](#) - More Bridi designs like the Kaos 60, Super Kaos 60, Dirty Birdy (short kit).

[Lazer Works](#) - Not complete kits, but they do laser-cut parts for many old (and new) R/C designs like the Kwik-Fli III, Taurus, RCM Basic Trainer, School Girl, Daddy Rabbit, Top Dawg, Das Little Stik, Fledgling, and many more.

ON THE SAFE SIDE

Propeller Strikes and Arming Switches

Jim Tiller, *Insider* Safety Column Editor

This past summer, I learned of a couple of instances where an electric airplane started before the pilot was ready. In one instance, the pilot turned on the transmitter but had it improperly set to another airplane program. Evidently, the programmed airplane had the throttle reversed and when the airplane battery pack was plugged in the motor engaged. Most good ESCs are supposed to prevent this by making you put the throttle to its lowest setting before arming. I'm not sure what happened here.

In the second instance, the airplane was on the bench and the transmitter had yet to be programmed. The throttle stick was in the mid-range. Once again, when the battery was plugged in, the motor engaged.

An arming switch is a good way to prevent any accidental motor start on an electric airplane. They are most feasible on larger motors, but many electric gurus say they can be fitted to an airplane of almost any size.

Another good reason for the arming switch is to be able to plug in the battery and then prepare the airplane for flight. Many times there are cowlings or hatches that have to be secured or other preflight preparations to complete. Why do that with the battery and motor armed?

A number of commercial arming switches are out there. They are not very expensive and are easy to use. Your local hobby shop can surely provide you with one.

If you want to tackle the project in your shop, just peruse the online forums and you will find lots of pictures and schematics. Here's one in the RCGroups forum: www.rcgroups.com/forums/showthread.php?t=1335070.

And here's an even better idea. These two clubs have posted pertinent information and how-tos on their websites for their members and others to use. I think that is a great idea. It would be a simple matter to create a link on your site to these documents or write one of your own.

Here's a great reference from the East Bay RC Club in Livermore, California: www.eastbayrc.org/TimTips/TimsTips_ArmingSwitch.htm.

And another from the White Hills Eagles club in Shelton, Connecticut: www.whitehillseaglesrc.org/membercontent%5Ctransmittercutoff%5Celectricflightthrottlesafety.pdf.

BE SAFE OUT THERE!

Rogue Eagles 2012 Event Calendar

MO	DATE	ACTIVITY	LOCATION	CD
Jan	1	Chili Dog Fun Fly	Agate Field	Larry Myers (B4 7:30p) 541-770-3390
	14	Polar Bear Fun Fly	Myrtle Creek Airport	Bruce Harlow 541-863-1920
Mar	9-10-11	Swap Meet	Yamhill County Fairgrounds, McMinnville	Larry Miller 503-472-4987
	24	Pylon Race #1	Agate Field	Ben Musolf 541-608-7240
	31	Swap Meet	Josephine County Fairgrounds, Grants Pass	Art Kelly 541-472-9683
Apr	14-15-16	Float Fly	Agate Lake NOTE! 2.4 ONLY	Larry Myers (B4 7:30p) 541-770-3390
	21	Pylon Race #2	Agate Field	Ben Musolf 541-608-7240
	28-29	IMAC Contest	Agate Field	John Gaines 541-951-1947
May	5	Swap Meet	Agate Field	Joe DeAscentis 541-890-2765
	19-20	Warbirds	Agate Field	John Gaines 541-951-1947
	24 thru 27	IMAA	Castle Air Base	Mike Brown 503-549-3005
	26	Pylon Race #3	Agate Field	Ben Musolf 541-608-7240
	27	Fun Fly & Pot Luck Keno Club Invited	Agate Field	Rick Lindsey 541-776-5832
Jun	1-2-3	Fun fly	Klamath Glen	Sam Ellis 707-954-8284
	8-9-10	La Pine Fun Fly	La Pine	Jim Young 541-536-8523
	15-16-17	Float Fly	Platt I	Dave Olson
	23	Pylon Race #4	Agate Field	Ben Musolf 541-608-7240
	24	Lee Renaud	Agate Field	Jay Strickland 541-855-7161
Jul	7-8	Float Fly	Lake Selmac	Art Kelly 541-472-9683
	7-9	Warbirds over the Pacific	Cottage Grove	Gus Phillips 541 643-9430
	13-14-15	IMAA Fun Fly	Agate Field	Cliff Sands 541-941-0503
	21	Pylon Race #5	Agate Field	Ben Musolf 541-608-7240
Aug	3-4-5	IMAA Fun Fly	Yard Ranch (could change)	Bruce Harlow 541-863-1920
	10-11-12	Dawn Patrol	Yard Ranch (could change)	Bruce Harlow 541-863-1920
	18-19	Air Show	Agate Field	Larry Myers (B4 7:30p) 541-770-3390
	25	Pylon Race #6	Agate Field	Ben Musolf 541-608-7240
	24-25-26	Fun Fly	Klamath Glen	Sam Ellis 707-954-8284
Sep	1	VR/CS Fly-In	Agate Field	Richard Schwegerl 541-773-5479
	8	RVF Air Show	Grants Pass	Art Kelly 541-472-9683
	22	Pylon Race #7	Agate Field	Ben Musolf 541-608-7240



The **Vought F4U Corsair** was a carrier-capable fighter aircraft that saw service primarily in World War II and the Korean War. Demand for the aircraft soon overwhelmed Vought's manufacturing capability, resulting in production by Goodyear and Brewster: Goodyear-built Corsairs were designated **FG** and Brewster-built aircraft **F3A**. From the first prototype delivery to the U.S. Navy in 1940, to final delivery in 1953 to the French, 12,571 F4U Corsairs were manufactured by Vought, in 16 separate models, in the longest production run of any piston-engine fighter in U.S. history (1942–1953).

The Corsair served in the U.S. Navy, U.S. Marines, Fleet Air Arm and the Royal New Zealand Air Force, as well as the French Navy *Aéronavale* and other, smaller, air forces until the 1960s. It quickly became the most capable carrier-based fighter-bomber of World War II. Some Japanese pilots regarded it as the most formidable American fighter of World War II, and the U.S. Navy counted an 11:1 kill ratio with the F4U Corsair. As well as being an outstanding fighter, the Corsair proved to be an excellent fighter-bomber, serving almost exclusively in the latter role throughout the Korean War and during the French colonial wars in Indochina and Algeria.

Data from Aeroweb.

Vought F4U-4 Corsair

General characteristics

Crew: 1 pilot
 Length: 33 ft 8 in (10.2 m)
 Wingspan: 41 ft 0 in (12.5 m)
 Height: 14 ft 9 in (4.50 m)
 Empty weight: 9,205 lb (4,174 kg)
 Loaded weight: 14,670 lb (6,653 kg)
 Powerplant: 1 × Pratt & Whitney R-2800-18W radial engine, 2,100 hp (1,565 kW)

Performance

Maximum speed: 446 mph (366 kn, 718 km/h)
 Range: 897 mi (602 nmi (1,115 km))
 Service ceiling: 41,500ft (12,649 m)
 Rate of climb: 3,870ft/min (19.7 m/s)

Armament

Guns:
 6 × 0.50 in (12.7 mm) AN/M2 Browning machine guns, 400 rpg or
 4 × 20 millimetre (0.79 in) M2 cannon
 Rockets: 8 × 5 in (12.7 cm) high velocity aircraft rockets and/or
 Bombs: 4,000 pounds (1,800 kg)

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*Our Thanks and Appreciation
to the following businesses:*



Southern Oregon's Premiere Bicycle and Hobby Source

127 N. Central ave.
Medford, OR 97501-5925

541-779-9935
fax 541-772-0114
www.alscycleandhobby.com

MILD TO WILD Visit Our Website
mildtowildhh.com

HOBBY HOUSE LLC Grants Pass RC Source
Hobby Supplies

DENNIS ROGERS, Owner

HOURS: Tuesday - Friday 9:00 - 6:00 • Saturday 10:00 - 5:00

309 N.W. E Street
Grants Pass, OR 97526

541-471-8780
rmildtowild@peoplepc.com

NOTICE:
Club Meeting Schedule



The General Meeting and Board Meeting are now held on the **SECOND TUESDAY** of the month.

Board Meeting: 5:30 pm

General Meeting: 7:00 pm

Meetings are still held at the Central Point Senior Citizens Center, 123 North Second Street.

See You There!



Rogue Eagles R/C Club
P.O. Box 8332
Medford, OR 97501

«FIRST» «LAST»
«ADDRESS»
«CITY», «STATE» «ZIP»