



President - Walter Greene
Secretary - Dave Johnson

Vice President - Dave Frew
Treasurer - Carl Adams



Useful Links



wunderground.com



Club Reminders

Flight Times:

- SUNDAY - 12:00 Noon until dark.
- OTHER DAYS - 10:00 A.M. until dark
- For quiet electric park flyers or unpowered aircraft only: Permitted Flying Hours - 8:00 A.M. until dark, seven days a week.

New Membership Application

We will be voting on a potential new member at this month's meeting. He is Jim Diorio from Russellton, PA.

Dues Payment Reminder

*** 2024 dues are payable **now**, and you have two ways to pay!

If you haven't already renewed your 2024 membership, please do so soon. We'd like to have all renewals paid to keep our AMA paperwork to a minimum.

#1) Club treasurer Carl Adams will be at the coming monthly club meetings to accept your dues payment, or

#2) You can mail it directly to him, and include the following:

- Check payable to MARCS in the amount of \$20 for an adult, \$10 for 15 years of age and under
- Proof of AMA membership (AMA membership card or receipt showing payment, and your AMA number, and expiration date)
- SASE would be appreciated for return of your membership card

Mail to: Carl Adams, 155 Pembroke Drive, Delmont, PA 15626.

Next MARCS Auction and Flea Market

Our next Auction is quickly approaching. Please note that because of Easter Weekend being on our traditional March auction date, the auction and flea market has been moved back one weekend, and will occur on April 6th, with setup the day before, Friday April 5th at noontime. See flyer on page #2.

Next Monthly Meeting

When: **March 14th, 2024 @ 6:30 PM**

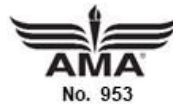
Where: **Monroeville Public Library**

*** Meetings held 2nd Thursday of each month ***

R/C FLEA MARKET & AUCTION

Saturday, April 6, 2024

Moved one week later than normal to avoid Easter weekend.



**Murrysville Area
RC Society**

Come to Buy or Sell!

Up to 25 Tables!
Concurrent Auction
Cash Door Prizes
Hot Food & Drinks

All COVID 19 guidelines in effect on this date will be followed.

Delmont, PA - Delmont Event Center

2360 Rte 66, Delmont, Pa. 15626
www.delmonteventcenter.com

Flea Market 8:00 AM to ????

Concurrent Auction: Starts 9:00 AM

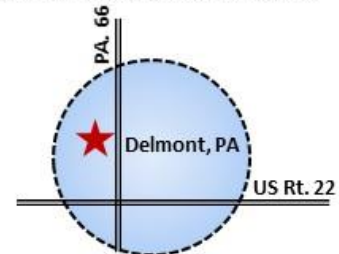
Vendor Set-up: Doors open 7:00 AM

Admission: Adults \$5, Spouses free
Children under 12 free.

Auction: Restricted to items related to
R/C modeling.
All sales cash, 10% commission
on items sold.

Flea market: 25 tables available @ \$10 each.

Smoke Free Facility (except in designated areas).



Our events are held:

- First Saturday in Nov.
- Last Saturday in March

For more information and tables, call Dave Frew (724) 727-2396
Event Status: <http://www.remarcs.org/auction>

Local RC Swap Meet

The BAMS (Butler Aircraft Modelers Society) is holding their 2nd annual RC Swap Meet on Saturday, May 11.

BAMS 2nd Annual RC SWAP MEET **AMA Sanctioned**

BUY/SELL/TRADE

Saturday May 11

10:00 to 4:00



Location:

BAMS Airfield

315 Mack Road

West Sunbury, PA 16061

Admission and parking is free

Snacks and drinks will be available for purchase

Vendor spaces available for \$10.00 in advance; \$15.00 on the day of the event

All things RC qualify: Planes, cars, trucks, boats

Helicopters, and accessories

Limited number of tables for an additional \$2.00



Buy and fly for \$2.00 landing fee with current AMA membership

For more information or to reserve a space contact:

Mark Yandura 724 355-0714 or myandura57@gmail.com

2024 F.A.R.M. Charity Float Fly Events

We have received the 2024 schedule for the charity float flies at the FARM on Lake Richie in Bealeton, VA.

Fauquier Aero Recreation Modelers

F.A.R.M. Charity R/C Float Fly Events

AMA Sanctioned events

**Saturdays, 15 June & 21 September 2024
(Rain or Shine events)**

Open to all AMA Members

Bring the family and friends.

Fly R/C amphibians or float planes off the lake

Run R/C boats

Sail R/C sailboats



Enjoy lunch under the shaded pavilion with indoor restrooms

Date: Saturdays, 15 June and 21 September (rain or shine)

Time: 9:00 a.m. to 4:00 p.m.

\$30.00 pilot's fee (Air & Surface - Includes Lunch)

Extra lunches available for \$6.00

Raffle and 50/50 drawing with added prizes.

Help feed the Hungry! FARM will again be accepting "Non Perishable" food as well as monetary donations (\$1.00 buys \$4.00 in food) for the Fauquier Community Food Bank. (A free 50/50 ticket given to all donors.)

Participant SWAP Meet from 9:00 am until Noon (tables provided)

Location: Scenic Lake Ritchie, 5177 Lake Ritchie Road, Bealeton VA 22712

Directions: --From the North out of Warrenton on US-29 South, then on US-17 South at Opal, in 6.9 miles turn left onto 644 (Ritchie Road) at the Flying Circus sign. Follow signs for the Float Fly.

--From the South out of Fredericksburg on US-17 North, in 20.9 miles turn right onto 644 (Ritchie Road) at the Flying Circus sign. Follow signs for the Float Fly.

Google Link:

<http://maps.google.com/maps?q=38.541285,-77.714109&num=1&sl=38.54068,77.714634&spn=0.016448,0.032144&hl=en&ie=UTF8&ll=38.540647,-77.713165&spn=0.526329,1.028595&z=10>

Questions? Contact: Nic at npb6218@earthlink.net or 540-219-9646

Winter Project #1 From Doc Bumbaugh

Fellow member Jim Bumbaugh took these three photos and provided the specs of his current winter build, an e-KAOS. Thank you very much Jim for sending these along for inclusion in the news letter!



Specifications

Weight: 5.65 pounds

Battery: 6S 3300 battery

Motor: Cobra (scorpion) 4120 610kv

Prop: 12x6

ESC: Castle 75 amp



Winter Project #2 From Kevin Siverd

Rob Siverd submitted the following photos of his brother Kevin's latest 3D printed plane, named the Pathfinder. They took it to the field on 2/12/24 for the maiden. Kevin made two flights, and the plane flew perfectly.



Basic Design Parameters

At the last meeting, Joe Dantonio mentioned a PDF file that he stumbled across showing basic design parameters that everyone should consult when designing or building a plane. Shown below is a .jpg of the PDF file, and the original PDF file is attached to this email for better clarity of text. Thanks for sharing Joe!

BASIC R/C MODEL DESIGN PARAMETERS
DATA BY ROMEY BUKOLT

<p>ENGINE</p> <table border="0"> <tr><td>.048</td><td>200 - 250 sq. in.</td></tr> <tr><td>.10</td><td>260 - 350 sq. in.</td></tr> <tr><td>.15</td><td>300 - 450 sq. in.</td></tr> <tr><td>.25</td><td>400 - 500 sq. in.</td></tr> <tr><td>.40</td><td>500 - 700 sq. in.</td></tr> <tr><td>.80</td><td>800 - 850 sq. in.</td></tr> </table> <p>ASPECT RATIO</p> <p>$A/R = \frac{\text{SPAN}}{\text{CHORD}}$</p> <p>WING A/R = 5-7:1 (GLIDERS) 10 - 18:1</p> <p>WING INCIDENCE</p> <p>0 - 1° MULTI 3 - 5° RUDDER ONLY</p> <p>ENGINE THRUST</p> <p>0 - 3° DOWN 0 - 3° RIGHT 3 - 5° RUDDER ONLY</p> <p>STAB INCIDENCE</p> <p>0 TO 1° RUDDER ONLY 0° MULTI</p> <p>LANDING GEAR</p> <p>TRIKE GEAR MAIN 1-1/2" BACK OF C.G. TAIL DRAGGER MAINS AT LEADING EDGE SPREAD 1/4 WING SPAN</p>	.048	200 - 250 sq. in.	.10	260 - 350 sq. in.	.15	300 - 450 sq. in.	.25	400 - 500 sq. in.	.40	500 - 700 sq. in.	.80	800 - 850 sq. in.		<p>DIHEDRAL</p> <p>W/AIL 0-3° / PANEL(EA TIP) W/OAIL 3-5° / PANEL RUDDER ONLY 4-8° / PANEL LO WING 2 X HI WING DIHEDRAL</p> <p>AILERON</p> <p>AREA = 12% (1/8) WING AREA</p> <p>STABILIZER</p> <p>AREA = 20-22% WING AREA ELEV AREA = 20% STAB STAB A/R = 3:1</p> <p>VERTICAL FIN</p> <p>AREA 1/3 STAB AREA RUDDER AREA = 1/3 - 1/2 TOTAL FIN AREA</p>
.048	200 - 250 sq. in.													
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AIRFOIL SELECTION

FLAT BOTTOM - TRAINER, SLOW, DOCILE, POOR INVERTED FLIGHT
SEMI-SYMMETRICAL - GOOD LIFT, PENETRATION, AEROBATIC, INVERTED FLIGHT
SYMMETRICAL - PATTERN AEROBATIC

MAX THICKNESS = 16 - 18% @ 30 - 40% BACK FROM LEADING EDGE
BLUNT LEADING EDGE - GOOD STALL CHARACTERISTICS
SHARP LEADING EDGE - GOOD HI SPEED PENETRATION