



The President's Corner

by Mickey Breunig, President - LMAC



Wow! What a month. A February with some great flying days, very good nearby swap meets, as well as other days I wish I could have flown but was obligated otherwise. I almost wish every month were like this. I would, if I didn't know how fun this summer will be.

If you made it to the field last week, you may have noticed the makeover at the entrance to the field. The Lexington-Fayette Urban County Government has been clearing out the fence rows of the unwanted trees and undergrowth. This has resulted in a nice clean entrance to the field. Now, we have a good view of everything coming down the road. The next time you get out to the field, you will be amazed at the difference.

I should remind everyone to be prepared to wear your AMA card at the airfield. I am still not sure how I will keep from forgetting mine every other week, but I am sure I will come up with a way. However I decide to wear it, I am sure I will keep a backup in my transmitter case for the times I forget. Now, I just have to remember to put my backup back in place after I use it as often as I will.



Mickey Breunig

President - Lexington Model Airplane Club

Minutes of February 9th, 2016 Club Meeting

by Bob Cooper

The club meeting was held on February 9th, 2016 at Morning Pointe Senior Center, 150 Shoreside Dr, Lexington, KY.

Mickey Breunig called the meeting to order at 7:05pm

Minutes of the last meeting was provided in the newsletter. Motion was made by Dan Thompson to approve the minutes, seconded by Mike Lambert and approved by membership vote.

Treasurer's Report was presented by Carroll Ware. Carroll has setup a special club account to accrue funds for future large maintenance expenses such as runway sealing. This will help ensure funds will be available when needed. Currently, there are 83 members who have paid dues. Motion was made by Dave Price to approve the report, seconded by Curtis Adams and approved by membership vote.

Safety Report was provided by Mike Lambert.

Old Business

Club Budget: Carroll Ware presented the club budget for 2017. Motion to approve budget was made by Curtis Adams, seconded by Gayle Yarnell and approved by membership vote.

Saturday Club Meetings: Gayle Moore discussed having the May club meeting on Saturday, May 13. The Saturday club meetings at the airfield should include a noontime cook-out. The last Morning Pointe club meeting will be April 13, 2017. Motion was made by Mickey Breunig to approve having the May Club meeting on Saturday, May 13th at the airfield, seconded by Curtis Adams and approved by membership vote. Additional Saturday club meetings (perhaps on Sept 9th) may be scheduled at later.

Guest Policy: Club Bylaws were reviewed in the club meeting by Mickey Breunig. Guests have the option to become temporary members for \$10. per month. The Intro Pilot program is another option to cover guests in training without AMA card during the training period.

Club Badge Policy: Based on last month's discussion, a draft of the Club Badge Policy was compiled and presented by Bob Cooper for membership approval. Motion was made by Mickey Breunig, seconded by Curtis Adams and approved by membership vote. The Badge Policy will be posted at the airfield, newsletter and website. Motion was made by Mickey Breunig to abolish the requirement to post AMA cards on frequency board in lieu of wearing AMA badges on your person, seconded by Curtis Adams and approved by membership vote.

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AMA Event Director Position: An overview of the AMA Event Director and AMA Contest Director responsibility differences and requirements were presented by Dan Thompson.

New Business

Kids Cancer Alliance Donation: Curtis Adams presented the letter of thanks for our recent \$1,000. donation to this charity organization. This will help send kids to camp and other activities this summer.

New Member: A prospective new member, Zack Elkins, was recognized at the meeting and was invited to participate in club activities. Zack is an experience RC pilot from Louisville, KY where his father actively flew RC with the Louisville club over the years. Currently, Zack is a Univ. of KY Engineering and ROTC student graduating this coming May. Upon graduation, he will be commissioned as Second Lieutenant in the US Air Force, and will be going on to pilot training in August at Columbus Air Force Base, Mississippi to become a USAF pilot. Best wishes to Zack in his military career. We look forward to flying RC with Zack at the airfield.

Other Announcements & Presentations

Airfield lock change-over plan was reviewed. New 2017 lock has been installed on the airfield gate. Old lock will be removed by April 1, 2017. Treasurer will provide new keys to renewing club members when their old 2016 keys are turned in and dues paid.

Dave Price announced that the Hobby People company is out of business. This ended the production of the Airtronics radios which was very popular in past decades.

Dave Price presented his plastic flying wing model made with his 3-D printer.

Motion to adjourn club meeting at 8:20pm was made by Dan Thompson, seconded by Bob Cooper and approved by membership vote.

The next meeting will be at 7:00 pm, Thursday, March 9th, 2017 at Morning Pointe Senior Center, 150 Shoreside Dr, Lexington, KY.



Club Budget for 2017

by Carroll Ware, Treasurer



Club Operating Budget as approved by the membership at the February club meeting.

	2017 Budget
Beginning Cash	
Cash	
Checking Balance as of January	8,818.45
Accrued Field Maintenance	3,750.00
F.C. Schools Education Savings as of January	621.57
Total Beginning Cash Balance	13,190.02
Projected Inflows	
Events	
Club Picnic	-
Vintage Classic	-
Fall Classic	-
Swap Meet	-
Total Inflows From Events	-
Membership	
Paid as of 02/08/2017 (83 Members)	4,393.00
Projected additional members (110) (27 X \$70)	1,890.00
Total Inflows From Memberships	6,283.00
Projected Cash Available	19,473.02
Projected Outflows	
Expenses	
Website Domain Name Lease & Hosting	60.00
Airfield Electric	500.00
Airfield Portable Restroom	1,000.00
Airfield Mowing	4,500.00
Club Charter	150.00
Airfield Maintenance Projects	3,000.00
Shed Vinyl Siding	700.00
Wood Shelter Interior Beam Siding	300.00
Runway Repair	500.00
Misc Repairs	1,500.00
Future Repairs (\$1250 for 2017 already in Beg Bal)*	-
Postage and Mailing Supplies	400.00
Misc Operating Expenses (CPA, Flowers, Etc.)	750.00
Club Meeting Expense	400.00
Donation to Charity	
Event Expenses	2,500.00
Total Expenses	13,260.00
Projected Ending Cash	6,213.02

*In 2018 there will be a runway sealing cost of \$5000.

Cost is spread by accruing \$1250/yr for years 2015-2018.

Treasurer's Report

by Carroll Ware, Treasurer



Reminder, its time to renew your club membership for 2017 by sending application and check to Club Treasurer, Carroll Ware. Turn in your old airfield gate key. For dues information and forms, click on this link

<http://www.lmacky.org/membership.html>

Educational Savings Account Report \$621.59

Funds provided by the Lex. City Council for use in Fayette County School programs.

Income and Expense Report

Date	Num	Transaction	Payment	C	Deposit	Balance
1/3/2017	debit	Office Depot cat: Office Suppiles memo: Name Badges	63.57			12,504.88
1/10/2017	2441	CURTIS COX cat: 2017 Stickers	32.66			12,472.22
1/10/2017	2444	Bob Cooper cat: Web Site	20.17			12,452.05
1/11/2017	DEP	Deposit cat: Membership Dues And Keys			1,951.00	14,403.05
1/11/2017	DEP	Deposit cat: Membership Dues And Keys			1,486.00	15,889.05
1/17/2017	EFT	K.U. cat: Utilities:Gas & Electric	31.30			15,857.75
1/26/2017	EFT	By-pass Rental cat: Utilities:Portable Restrooms	80.00			15,777.75
1/27/2017	debit	US POSTIAL SERVICE cat: Stamps	34.00			15,743.75





Model of the Month

Gayle Moore won the Coyote Hobbies *Model of the Month* award with his P-38 ARF. This is a Motion RC all foam, electric powered RC plane. It comes with flaps, retracts, landing lights, navigation lights, and counter-rotating propellers. The 63 inch wing span model weighs 5 lbs. and is powered by a 4cell 3300 mah battery for each motor.

Congratulations on this winning entry for the Coyote Hobbies gift card !!



Airfield Gate Lock

by Carroll Ware, Club Treasurer



We have installed a new chain with shortened links on the air field gate to control where the locks can be placed.

The airfield gage lock has been an ongoing problem in which one or more locks are been bypassed which locks out a number people. Any one of three locks must be able to open the gate. Hopefully, these shorten chain segments will prevent confusion.

Notice, the two locks labeled “2016” and “2017”. As of Jan 1, 2017, everyone needs to renew club membership and turn in last year’s key to get a 2017 gate key. The 2016 lock will be removed on April 1, 2017. Flying in 2017 is not permitted, if club membership and/ AMA membership has expired.



Any one of three locks must be able to open the gate



The 2016 lock will be removed on April 1, 2017.

New Club AMA Badge Policy

Something new for 2017 -- the club membership has approved by vote to provide an AMA Card holder to be worn on your person at airfield. Displaying your AMA card will help everyone know your name as well as show proof of insurance as required by LFUCG and LMAC.

When annual dues are paid, you will receive the AMA card holder with your 2017 club membership sticker. Affix club sticker to AMA card. Insert your AMA card in the badge holder and clip it on your shirt, etc. Pickup a shirt clip for your AMA card holder in the first aid box at the airfield shelter. You are welcome to use your own method of displaying your AMA card as long as your name, club sticker and AMA expiration date are visible on your person while at the airfield.



New Club AMA Badge Policy

All members should serve as a good role model by always displaying their AMA badge on their person at all times while at the airfield. Purpose of this policy is to help everyone learn your name and to show proof of insurance as required by LFUCG and LMAC.

A person without a badge being displayed will not initially be prevented from flying.

Regular members should not confront a person who is not displaying their badge, but may elect to notify a club officer to handle the situation.

A club officer, at his discretion, may elect to approach the person in a cordial manner to determine if the person forgot his badge or if he does not know about the badge policy. The club officer should always interact with the person in a patient, kind and caring way so as to not cause stress or loss of a club member.

If the person, after being made aware of the badge policy, becomes a persistent offender (3 or more times), then a board meeting should be held to discuss the situation and decide on any further action.

Guest pilots could be excluded from this policy or may be given a temporary guest badge to be kept at the airfield.

Servo Mod. for Pulse Proportional RC System

by Dan Thompson

Pulse System Throttle Servo with Limit Switches

In a vintage RC pulse system, the throttle function is triggered by sending a DC voltage to the servo that moves the throttle. This servo consist of a motor and typically limit switches which stop the movement at the end of travel. To get partial movement the throttle switch on the transmitter is blipped.

Picture 1 shows an Annco reed servo that can be modified to accomplish the task. Other reed servos could be used by modifying them.

The servo is opened to remove any electronics that are inside. If it is a reed relay servo, remove all wiring. If it is a transistorized servo, remove the circuit board and all wires. Rewire the servo as shown in the schematic (picture 2) and picture 3.

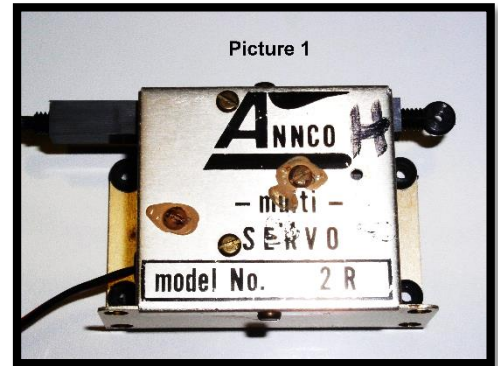
The current limit switches are used stop the motor at the end of travel. The diodes direct the current to the motor when it is of the polarity that that diode conducts.

When assembled and if the motor tries to keep running at the end of travel, reverse the wires to the motor. These servos typically will operate with voltage from 2.4 to 3.5 volts.

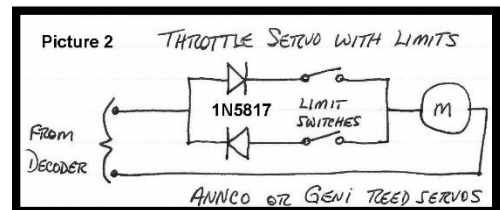
In use, if the throttle servo is working backwards, reverse the connection at the servo plug to reverse the servo operation.

For complete documentation see:

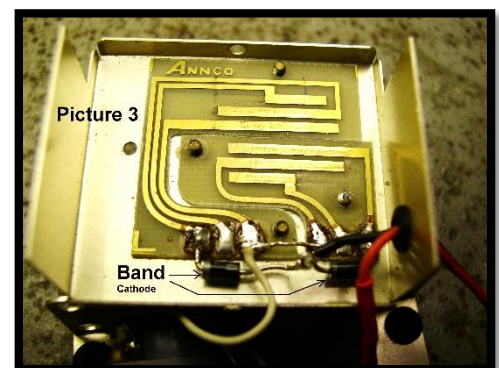
<https://sites.google.com/site/stoneagerc/throttle>



Annco reed servo



New schematic for throttle servo.



Wiring the steering diodes to the limit switches.

Blast from the Past

by David Price



This series of articles will present advertisements from vintage modeling magazines. The intent is to illustrate technological advances that have taken place in our hobby. For some, it will bring back memories, for newcomers it will present a piece of history of radio control model aviation.

Here is an advertisement from the August 1942 issue of Model Airplane News regarding the conservation of balsa wood in Comet kits during WWII. It's interesting to note that balsa was a "strategic war material". Read about that in the article below.

Why COMET is CONSERVING BALSA
... and how you can join in this PATRIOTIC EFFORT

PERHAPS you have noticed that Comet Kits for making solid airplane models are coming through in woods other than balsa. You may have noticed, also, that in certain Comet Flying Model Kits, some pieces are being furnished in basswood, where such substitution will not affect flying qualities.

You may have wondered why these things have been done—and we'd like to tell you. As you may know, balsa is classed as a strategic war material. It is being widely used today by the government in making life-rafts, which may save the lives of thousands of our men. It is being used for special purposes in ships for the Navy and Maritime Commission.

Balsa must come a long way from the forests of Ecuador, through dangerous waters. It should be used conservatively, not wastefully. In recognition of these facts, Comet has taken the initiative and voluntarily reduced its use of balsa as described above.

For example, Comet Official Identification Models conform to the requirements of the U. S. Navy Department of Education, which specify that these models shall be made of bass, pine or similar woods—but not balsa.

Here is an opportunity for every one of us to help our country's war effort in a very practical way. Let's show Uncle Sam that we know how to conserve that vital material—BALSA!

COMET MODEL AIRPLANE & SUPPLY COMPANY
 CHICAGO NEW YORK

For Sale - Giant Scale Biplane Kit



Zirol 87" Stearman Kit for Sale

22% Scale RC model with 87" wing span.

Balsa kit comes with Robart struts including tail gear and fiberglass cowling.

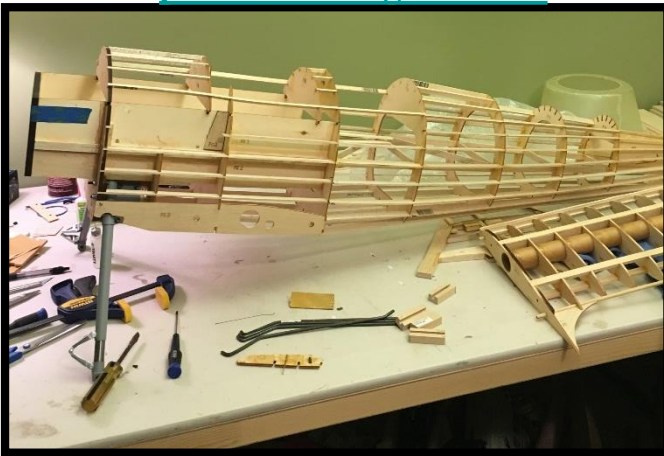
Partially completed kit. Ready for electronics and minimal finish work.

Price: \$300.

Contact: Greg Cowen, LMAC Club Member

Text to: 423-444-5013

email to: planesrock4@gmail.com



Plane looks like this when built

It's time to renew your Club Membership

Reminder, it is time to renew your club membership for 2017.

Mail in your **2017 Membership Renewal form**

Get the form here....([click here](#)).

The 2016 airfield gate lock to be removed on April 1st.

Be sure to display AMA Card on your person at airfield.



We have a beautiful airfield. Your club dues cover the cost of weekly grass mowing, runway maintenance, electric service, restroom facility, etc.

2017 RC Events in Tri-State Area

by Curtis Adams



MARCH

Mar. 4, 2017 Urbana Swap Grimes Field 9 AM to Close
 Mar. 18, 2017 47 Annual show and swap, Westerville model Aero Association
 Mar. 25, 2017 FORKS Model Show 8:30-1pm 125 E. Fair St. Lancaster, Oh

APRIL

April 7-9, 2017 Toledo Show Toledo, Ohio

MAY

May 13-20, 2017 Joe Nall Fly In Woodruff, South Carolina
 May 17-18, 2017 Spring in the air, SAM R/C contest WORKS Field, Germantown, Ohio
 May 19-21, 2017 Mint Julep Rough River, KY
 May 26-27, 2017 6 annual IOK Dawn Patrol, Airmasters 10414 Miamiview Rd. North Bend, Ohio
 May 27-28, 2017 17th Annual Columbus IMAC Challenge WMAA club field Westerville model aero association

JUNE

June 1-3, 2017 CARDS Warbird Fly In. Grand Ledge, Mi.
 June 3-4, 2017 Moon Shot Pylon Race GCRCC Field
 June 10, 2017 WORKS Dawn Patrol and Golden Era 4nd Annual Fly In WORKS Field, Germantown, Ohio
 June 10, 2017 UVFF Fun Fly Piqua, Ohio
 June 10, 2017 Cliff Kell Giant Scale Fly In GCRCC Field
 June 17, 2017 Father's Day Fly In Wilmington, Ohio
 June 22-24, 2017 Windy City Warbirds and Classics, Fox Valley Aero Club
 June 23-25, 2017 AMA R/C NATS Muncie, Indiana
 June 24-25, 2017 Dayton International Air Show, Dayton, Ohio

JULY

July 10-11, 2017 Celina Big Bird Bunge Park, Celina, Ohio
 July 13-15, 2017 Air Supremacy over Elkhart, Elkhart, IN.
 July 15, 2017 All electric Fly Brookville, Ohio
 July 21-22, 2017 Ohio Dawn Patrol Cincinnati, Ohio
 July 21-23, 2017 Columbus Big Birds Darby Scale Classic, Darby Dan Airport
 July 29-30, 2017 CORKS Fun Fly www.corksfield.com

AUGUST

Aug. 2-6, 2017 IRCHA Heli Event Muncie, Indiana
 Aug. 4-6, 2017 Wings over Piper Loch Haven, PA
 Aug. 4-6, 2017 Hoosier Classic Seymour, Indiana
 Aug. 5-6, 2017 Flying Circus Air Show Butler County Regional Airport
 Aug. 10-12, 2017 SMMAC Military Fly In, Owatonna, Minn. www.smmac.com
 Aug. 12-13, 2017 Rio Grande Fly In Bob Evans Farm, Rio Grande, Ohio
 Aug. 17-19, 2017 Warbirds and Classics Fond du Lac, WI
 Aug. 17-19, 2017 Hoosier Dawn Patrol Hagerstown, IN
 Aug. 19, 2017 FAST Giant Scale Fly In Brookville, Ohio
 Aug. 19-20, 2017 Columbus Scale Classic Dinneen Field Alum Creek State Park
 Aug. 17-19, 2017 Warbird Fly In Fond du Lac, Wis. www.midwestwarbirds.com
 Aug. 26-27, 2017 IMAC Bash Wilmington, Ohio
 Aug. 31-Sept. 2, 2017 Indiana Warbird Campaign Muncie, Indiana

SEPTEMBER

Sept. 1-3, 2017 DOGS Show Air Force Museum, Dayton, Oh
 Sept. 14-17, 2017 LMAC Fall Classic Lexington, KY
 Sept. 22-23, 2017 Dawn Patrol GCRCC Field
 Sept. 23, 2017 WACO Barnstormers Troy, Ohio
 Sept. 24, 2017 Super Scale Sunday WORKS Field, Germantown, Ohio
 Sept. 24, 2017 Wings of War GCRCC Field

2017 Calendar of Events

(Email Bob Cooper to add event dates)



Lexington Model Airplane Club (LMAC)

Numb Thumb Fly.....	Jan 1, 2017
Vintage Radio Control Society Fly-in.....	May 25-26, 2017
LMAC Club Picnic & Fun Fly.....	July 22, 2017
Kentucky Fall Classic Fly-in.....	Sept 14, 15, 16, 17, 2017
LMAC Swap Meet.....	Nov 11, 2017



Central Kentucky Float Fly (CKFF)

Charity Float Fly-in Event	May 27, 2017
Brown Bag Float Fly-in Event	Sept 2, 2017

Clark County R/C Barnstormers

Spring Indoor Fun fly.....	Apr 8, 2017
Glider/Sailplane Fun Fly.....	Apr 20, 2017
Harold Brown Memorial Fly In.....	Jun 10, 2017
Brown Bag Fall Fun Fly.....	Oct 7, 2017
Fall Indoor Fly In.....	Nov 4, 2017



Next LMAC Club Meeting:
Thursday, March 9th at 7:00 PM

Meeting Location:
Morning Pointe Senior Center
150 Shoreside Dr, Lexington, KY
Visitors are Welcome !!

2017 Club Officers

President	- Mickey Breunig	mbreunig@windstream.net
Vice President	- Dan Thompson	wb4guk@aol.com
Secretary	- Mickey Breunig / Bob Cooper	
Treasurer	- Carroll Ware	carroll.ware@gmail.com
Safety Officer	- Mike Lambert	mikeandme1081@yahoo.com
Senior Advisor	- Curtis Adams	cadams5420@windstream.net
News Editor	- Bob Cooper	robert.cooperj@gmail.com
Training Coord.	- Gary Hyde	g_hyde@hotmail.com

**Thanks to Coyote Hobbies for their support to
the Lexington Model Airplane Club**



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www.coyotehobbies.com



We are Lexington's only family-owned brick and mortar hobby shop! Our primary focus is on remote control vehicles of all types. We offer service and parts for airplanes, helicopters, cars, trucks, drones, as well as 1/24 drag slot cars. All of our staff participates directly in the hobby in some form or fashion. Come see us for all your R/C hobby needs.