

The President's Corner

by P.J. Ash



Wow, here it is in December and I cannot believe that Christmas is right around the corner. I can't believe how fast our year has flown by and here we are, the last month of the year.

This is my last article to you as your President. I want to thank you for the years I have been able to serve the LMAC community and I hope I've done a good job. I am ready to pass the "torch" and I'm excited with the "new blood" that is coming in. I think we have a dynamite team and I will be looking forward to seeing what can happen.

As many of you know, I've been working on my Martin Baker MB.5. I have posted several pictures of my progress, so I decided, "why stop there". I've started a link

<http://www.rcuniverse.com/forum/m10834676/tm.htm> if you want to follow along. So far it has been a great project and I really love taking a plane and trying to make it better than before. I've tried to add pictures to give an overview of where the model is at this point. Most of my time was spent on building the cockpit. I hope to have the plane in paint before the weather gets too cold.



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The President's Corner – (Continued from previous page)

Once again, I would like to thank everyone for the years I was able to serve as your President. I am looking forward to enjoying the hobby as a hobby and passing the business responsibilities on to the new team. I know they will do well. I look forward to seeing you all at the field and getting some flying in as soon as we can get over this winter!

Keep em' flying! PJ



Minutes from Club Meeting on Nov 10, 2011

by Bob Cooper

The LMAC General Membership meeting was called to order by P.J. Ash at 7 PM on November 10, 2011 at the VA Medical Center meeting room 5 in Bldg 29.

Committee Reports

- Secretary's Report - The previous meeting minutes from Oct 13, 2011 meeting were distributed in the November Newsletter and approved by the membership.
- Treasurer's Report - The report was prepared by Curtis Cox and posted in the November Newsletter. The Club has a bank checking balance of \$13,544.77 and a savings balance of \$852.14. The report was approved by the membership. A \$ 1000. charity donation funded by the Fall Classic Event was made to Cardinal Hill Hospital.
- Flight Training Report - The report was presented by Bob Cooper. There are 5 students who have soloed in 2011. They are Hayden Young, Slade Richmond, Jim Taylor, Ron Acker and Dr Scott VanMeter. To date, we currently have 2 carryover students going into the 2012 training program. We have 7 instructors who are assisting with training.

Old Business

- Land Fill - PJ Ash reported that the Land Fill was reported to be closing. It is too early to know the implications of the closure but there are no immediate changes to be concerned with at this time.
- Club Tax Exemption Status – Curtis Cox and Steve Campanelli reported that this continues to be an open issue due to the lack of past years of club financial records. A CPA assist will be needed.
- Central KY Float Flyers (CKFF) report was given by Dan Thompson.

New Business

- David Trapp - David, a founding member of the LMAC, passed away on Nov 4, 2011.
- Promoting the Hobby - A discussion of ideas on how to promote the hobby was lead by PJ Ash. Some ideas include a video by Jason Salehi, Newspaper articles, TV-video clips, Radio spots, Website update, etc.
- Youth Membership Dues \$1. – The motion for \$1 Youth Membership Bylaws change was posted in the Newsletter by Bob Stewart. The motion was approved by the membership.
- Reduced 50 mile Membership Dues – A discussion was lead by Jim Jackson. It was suggested that PJ Ash will appoint a committee to study the issue and prepare a motion to be published in the Newsletter.
- LMAC Swap Meet - Plans for the event were reported by Joe Woods. The November 12th, Saturday event will be held in the Jackpot Bingo Hall in Eastland Shopping Center. It has a large room with 70 tables. To date, 52 tables have been rented to sellers for a fee of \$12. for the first table and \$10. for subsequent tables. The event has been advertised with mailing of 160 post cards and 200 emails to clubs within 250 mile radius. A grill will be available for a hot breakfast and hot lunch. The site has a large parking area. The raffle drawing will be for an Extra 300 RC plane. A setup crew is needed at 7am in order to be ready for the sellers to arrive at 8am. Bob Stewart's committee will handle the entry door control and collect \$5 admission per person.
- Dawn Patrol Fly-in Event -- Jim Jackson discussed the Dawn Patrol Fly-in Event on the 1st or 2nd weekend in June, 2012.
- Web Cam – A discussion of the Web Cam technology and its potential use at the LMAC airfield was conducted by Patrick Edison. This would require a \$30. per month wireless internet service to link a Weatherbug Cam / Weather station at the airfield.
- Nominations for 2012 Club Officers were presented by PJ Ash, and approved by the membership.

President - David Price	Vice-president - Eric Millard	Secretary - Patrick Edison
Treasurer - Curtis Cox	Editor - Bob Cooper	Senior Advisor - Curtis Adams
Safety Officer - Butch Krebs	(continued on next page)	

Meeting Minutes – (Continued from previous page)

- Announcements – Jim Jackson welcomed everyone to the Gym Indoor Fly at the Tates Creek Presbyterian Church. Event schedule is 6-8pm on 11/14, 8:30-10:30pm on 11/22, 11/29, 6-8pm on 12/5, 12/19. Donations accepted.
- Planes of the Month - None presented
- Meeting Program - None presented
- Next Meeting - The next membership meeting is Thursday, December 8, 2011 at the VA Medical Center, Bldg 29, Room 5. Future meeting will be monthly on the 2nd Thursday of the month at the VA Medical Center.
- Meeting Adjourned - With all business completed, the meeting was adjourned by PJ Ash at 8:01 pm.

Proposed 2012 Event Schedule*by Bob Cooper***Lexington Model Airplane Club (LMAC) -- Proposed 2012 Events**

Numb Thumb Fly.....	Jan 1
Vintage Radio Control Society Fly-in.....	May 25, 26
Dawn Patrol Fly-in	June 2 or June 9
Cubs & Classics Fly-In.....	June 16
LMAC Club Picnic.....	July 7
LMAC Warbird Fly-in.....	August 17, 18
IMAC Competition.....	July 27, 28
U-Control Fly-in.....	July 28
Electric Fly-In.....	August 11
Helicopter Fly-In.....	September 7,8,9
Kentucky Fall Classic Fly-in.....	September 13,14,15
Swap Meet.....	November 10

Central Kentucky Float Fly (CKFF) -- Proposed 2012 Events

Float Fly-in Event	July 14
Float Fly-in Event	September 1

Clark County R/C Barnstormers -- Proposed 2012 Events

Spring Indoor Fun fly.....	April 14
Glider/Sailplane Fun Fly.....	June 2
Harold Brown Memorial Fly In.....	June 16
Brown Bag Fall Fun Fly.....	Oct 6
Fall Indoor Fly In.....	Nov 3

Treasurer's Report

by Curtis Cox



The club financial reports are submitted for your review as follows.

Savings Account Balance on 11/28/2011 (No inflows or outflows in past month)...\$ 852.14

Income & Expense Report as of 11/28/2011

Date	Account	Num	Description	Memo	Category	Tag	Clr	Amount
BALANCE 10/31/2011								13,753.63
11/2/2011	LMAC CHEC...	debit	Beaumont Sta...	Stamps	Stamps	Membe...	R	-88.00
11/2/2011	LMAC CHEC...	debit	Staples	Note book & ...	Office Suppiles	Membe...	R	-22.86
11/2/2011	LMAC CHEC...		Deposit	Membership	Membership ...	Membe...	R	1,018.00
11/7/2011	LMAC CHEC...	DEP	Membership ...	Membership	Membership ...			578.00
11/8/2011	LMAC CHEC...	debit	Bank Charge	Stop Payme...	Bank Charge	Stop Pa...		-34.00
11/8/2011	LMAC CHEC...	2177	Jim Jackson	Mowing for S...	Mowing	Field up...		-660.00
11/10/2011	LMAC CHEC...	2178	Void	Void	Void	Void		0.00
11/10/2011	LMAC CHEC...	2179	CARDINAL HI...	DONATION	Charity	Charity		-1,000.00
11/10/2011	LMAC CHEC...	Cash	Cash	Swap Meet ...	Cash	Event F...		-500.00
11/14/2011	LMAC CHEC...	DEP	Membership ...	Membership	Membership ...			811.00
11/14/2011	LMAC CHEC...	DEP	Deposit	Swap Meet	Swap Meet	Swap M...		1,654.00
11/28/2011	LMAC CHEC...	2180	a1 Portables	Toilet Rental	Utilities:Porta...	Field up...		-89.04
11/28/2011	LMAC CHEC...	2181	Ku	Electric	Utilities:Gas &...	Field up...		-21.02
11/28/2011	LMAC CHEC...	DEP	Membership ...	Membership	Membership ...			840.00
11/1/2011 - 11/30/2011								2,486.08
BALANCE 11/30/2011								16,239.71
TOTAL INFLOWS								4,901.00
TOTAL OUTFLOWS								-2,414.92
NET TOTAL								2,486.08

Editor's Note

by Bob Cooper



Just in case you haven't heard there is a group of model aviators getting a lot of flying time during these winter months.

In November, the LMAC has gained access to an indoor flying site at the Tates Creek Presbyterian Church, 3900 Rapid Run Rd, Lexington, Ky.

The Gym is a regular sized basketball court with the bleachers folded back. The basketball goals are being raised for lots of clear space to fly those little micro Bind-N-Fly planes. And, there are plenty of rafters for your planes to get stuck on, if you or your plane is suffering with "out of control" conditions. Each session is guaranteed to provide you with plenty of laughs.

Jim Jackson is organizing this warm and friendly activity and is publishing the monthly flying schedule. The attendance has been around 8 flyers each session, as the word is getting out. He is trying to get several sessions scheduled each month depending on availability of the Gym. Check out the LMAC website for the latest schedules, or get your name on Jim's email list.

Since we are guests of the Church, Jim has a few guidelines for the pilots to follow to make this a safe and enjoyable activity for everyone.

- Wear Tennis shoes in the Gym
- No food or drinks in the Gym
- No flying over the pits for safety reasons.
- Donations will be taken to give back to the Church in return for keeping the Gym open for us.

The upcoming flying schedule is:

- Monday 12/5/2011 from 6:00 to 8:00 PM
- Wednesday 12/14/2011 from 7:00 to 9:00 PM
- Monday 12/19/2011 from 6:00 to 8:00 PM
- Monday 12/26/2011 from 6:00 to 8:00 PM
- Monday 1/2/2012 from 6:00 to 8:00 PM

Everyone is invited to attend !!



Words from Incoming Senior Advisor

by Curtis Adams

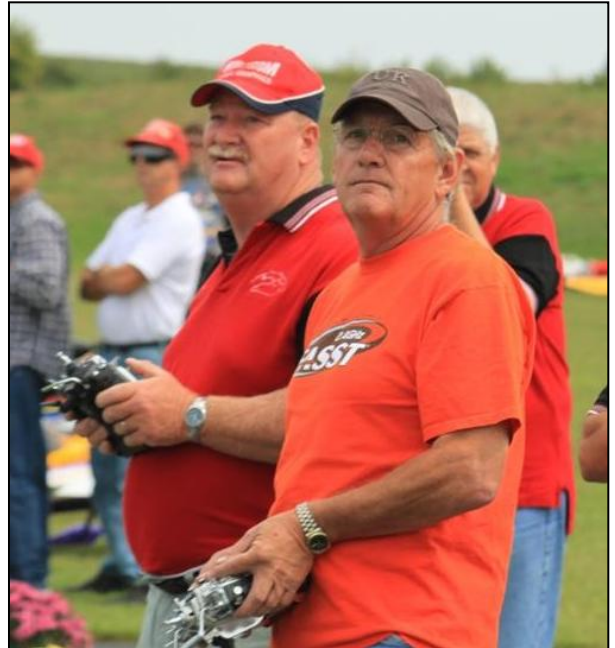


First, I would like to thank all of the previous officers for their hard work keeping the club running and providing us with great leadership. Our club has been through some tough times in the last few years. Some issues that come to mind are: The loss of several long time club members, the ongoing issues with the landfill, dwindling membership, dues restructuring, issues with rules enforcement and more I am sure. Through it all, our leaders have managed these issues, and our club remains strong. So, I would like to see a large turnout for the upcoming meeting as a show of your appreciation for their help.

I wanted to let all of you know what I hope to bring to the table as senior adviser. I have had a few things on my mind relating to the club for a while now. I decided the best way to work on my concerns and ideas for improving the club was to get involved. I don't want to talk specifics at this point because I want to meet with all the new board members, first. I look forward to working with all the new and old board members. And, I would also like to ask any of you that have ideas on how to improve our club to give me a call or email. I also feel sure you can call any of the other board members as well.

See you at the next meeting,

Curtis Adams
859-259-1537
cadams5420@windstream.net



Flight Training Program

by Bob Cooper



Congratulations to Dr Scott VanMeter for successfully completing the LMAC Flight Training program and earning his solo wings !

On November 8th, we experienced the last great weather day of 2011 for flying model airplanes. The air temperatures were perfect, winds were very light and enthusiasm was running high as lots of pilots were at the LMAC airfield to enjoy the beautiful day.



This was the day that Scott was waiting for. After some warmup flights, Scott said, he was ready to demonstrate his solo flights with his LT-40 and get his certificate. Without an instructor, he masterfully navigated his ship around the calm skys, and brought his plane down a super-smooth glide path to “grease” his landings. After four “text book” landing patterns with full stop landings, the “peanut gallery” was impressed. They sent up a hearty cheer for Scott as he masterfully taxied his nice LT-40 back home and shut down the little glow engine. Needless to say, Scott was estatic, and so was everyone else at the field.

Every time someone solos, there is something special that comes over the other flyers at the field. It is a special time for each person as they recall those memories of their special “solo” day. These are one of the special life experiences that aviators in this hobby will remember and enjoy for years.

Looking back over the flying season, I must say that students and instructors have really enjoyed spending time together as we enjoy this wonderful hobby.

I want to take this opportunity to again thank all our instructors for sharing their talents with our students. The LMAC flight instructors are Jeff Cummings, Jason Harris, Butch Krebs, David Price, Jerry Thomas and Gayle Yarnell.

Looking forward to next year, I welcome anyone who wants to help with the flight training program. Just let me know, I would really enjoy having you with us next training season.

Fail-Safe Opinions

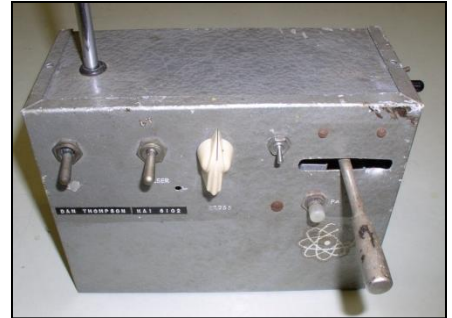
by Dan Thompson

In the late 50's pulse proportional like galloping ghost, by design, had a fail-safe. The transmitted signal modulation was stopped to cause the servo to cycle and drive the throttle to low. Since during the throttle command the servo had to cycle, the rudder averaged neutral and the elevator assumed a small amount of up.

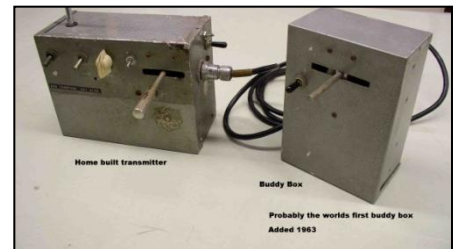
Then in the early 60's other refinements of the pulse system appeared with separate servos for each function but they retained the fail safe feature. However, around 1963 digital proportional systems appeared with and without fail-safe. The Bonner Digimite had servos that you choose to either go to the end or neutral in a fail-safe condition. Micro Avionics, PCS and Digitrio did not fail-safe. This is not a complete list, but enough for an example. I remember being upset about not having a fail-safe. Now we have come a complete circle with the fail safe being in PCM and some PPM receivers. Today, most spread spectrum receivers also have a fail-safe.

After having time to study (about 49 years) the fail-safe situation, I have come to the following conclusions. The fail-safe of 4 decades ago was in a plane that originated as a rudder only plane. Yes, we had elevator added with ailerons on some planes. However, the planes were designed to be stable platforms and as such a natural for fail-safe. We set up the planes so that with low throttle and neutral controls the plane would glide down. With the ample dihedral we had, the plane would self right itself should it fail-safe while inverted at a high enough altitude.

Now fast forward to today. We fly planes that continue their flight path with neutral controls. Basically with this type of plane, fail-safe means you crash with the controls at neutral, but crash you do anyway. Yes, new systems are on the market with sensors to make the plane fly level but not many planes have them.



Dan's homebuilt 1962 Single Channel Pulse Transmitter
(Photo by Dan Thompson)



Dan's Pulse Transmitter with homebuilt 1963 Buddy Box
(Photo by Dan Thompson)



Dan's 1964 Pulse Transmitter with Rudder, Elevator, Throttle
(Photo by Dan Thompson)

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Fail-Safe Opinions – (Continued from previous page)

So, now lets discuss just what we expect a fail-safe to do.

- Should there be any problems, we would like the plane to land unharmed! It goes without saying that any mechanical problem would not be helped by fail-safe.
- Problem, the transmitter quits: This case is the easiest as the receiver would detect the problem and effect the fail-safe position. What would happen to the plane? Probably crash!
- Interference from an external source: Same result as transmitter quitting.
- Battery pack/power switch problem in the plane (most common problem): Fail-safe is no good, no power to do anything.
- Receiver goes out: Again, fail-safe is no good as it is the receiver that operates the fail-safe.
- A single servo quits: If it is a critical servo (Like elevator) again fail-safe is no help.

Conclusion

We are worrying about protecting the very part of the plane that is the most reliable. Fail-safe is only effective as a protection against the transmitter or the front end of the receiver failing.

Fail-safe detectable transmitter failures are almost non existent and the radio system in the plane is very reliable.

The only receiver failure that the fail-safe system would detect is a failure in the front end RF portion of the receiver.

Interference from others is very small.

My opinion of a good fail-safe is an independent system in the plane that would send the throttle to low should it detect any failures. Of course, do we put a fail-safe on the fail-safe?

In my opinion, fail-safe for our craft is excess and is not justified in most cases. It does make one feel better if the system has it.

I have seen two cases where it is beneficial and that is where the transmitter was accidentally turned off while in flight and where the transmitter was turned off after landing and before the plane was secured. Both were pilot error and not equipment failure.



LMAC Swap Meet – Results

by Joe Woods



Our Swap Meet was held on Saturday, November 12, with good results. The profit was \$889.20. This amount is down from recent years because of the added cost of the facility and the loss of profit from food. The bingo hall cost about \$125 more than the facilities cost in the past and we did not get the approximately \$100 food profit. The number of tables sold was up by 5 and the attendance was about the same as was the profit from the raffle items.

We had many positive comments about the JackPot Bingo hall as a good place for our event. It is large and has many more tables that are available without hauling them, good lighting, on-site food concession that we did not have to plan and staff, and very adequate parking. We received a discounted price for the facility from the normal rental; but it was still more than the past; although, many members said it was worth it. I agree. I am hopeful that the word will get out and next year's results will be better. Advertising will be increased to try to bring in more sellers and buyers.

We appreciate the help that Coyote Hobbies provided for our raffle items by selling us the Park Zone Extra 300 at cost and then donating a Park Zone Micro Stryker. In addition, Wildcat Fuels donated a case of fuel which we sold for a nice profit. It would be good if our members patronize Coyote Hobbies to show our thanks for their support. The Extra 300 was won by Mickey Brewing, Versailles. The Micro Stryker was won by Larry Seutter who was a Lexington resident and recently moved to Louisville.

I appreciate the good turnout of 15 workers to set-up the facility at 7:00 AM. We were done by 7:30 AM. The help to reset the tables after the event was thin.

As usual, Bob Stewart and his team did a good job of managing the admission operation and selling of raffle tickets.



Calendar of Events



Next LMAC Meeting:

Thursday, December 8th at 7:00 PM

**VA Medical Center – Bldg 29, Room 5
2250 Leestown Rd, Lexington, KY**

Future Meetings - January 12, February 9, March 8



Lexington Model Airplane Club

2011 Events

- Numb Thumb Fly.....Jan 1
- Vintage Radio Control Society Fly-in.....Cancelled
- Cubs & Classics Fly-In.....June 25
- LMAC Club Picnic.....July 9
- LMAC Trainer Competition.....Cancelled
- IMAC Meet/Fly-In.....open fly July 29, contest July 30-31
- U-Control Fly-in.....July 30
- Electric Fly-In.....August 13
- Helicopter Fly-In.....September 9,10,11
- Kentucky Fall Classic Fly-in.....September 15,16,17
- Swap Meet.....November 12

Bluegrass Flyers of Danville
2011 Events

- Spring Swap meet& electric fun fly.....
.....Saturday, March 26th 9am
- Memorial Day Fly –InMay 28, 9am
- Octoberfest Fly-In / tailgate swap meet at
Boyle County Airport...Oct 8, 9am

Clark County R/C
Barnstormers 2011 Events

Thursday's Breakfast and Fly....8:45 AM every
Thursday at Frisch's Big Boy Restr. with a
10:00 AM fly at the YMCA gym. Event is only
run while Clark County Schools are in session.

Spring Indoor Fly-in (YMCA Gym)...Apr 9
Sailplane/Glider Fun Fly..... Jun 4
Harold Brown Memorial Eat/Fly-in .Jun 18
Brown Bag Fall Fun Fly.....Oct 1
Fall Indoor fun fly (YMCA Gym)Nov 5

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**Thanks to these merchants for their support to
the Lexington Model Airplane Club**



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