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Vice President: Gary Oakins
Secretary: Dave Edmonson
Treasurer: Don Berggren
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Minneapolis Modeler

Issue #344 Jan.-April, 2016

Dedicated to the encouragement and advancement of Free Flight
Published four times each year by the Minneapolis Model Aero Club

MMAC
MINNEAPOLIS
Model Aero Club

Annual Dues: $25. AMA Senior:- $5. AMA Juniors- Free
Newsletter Only: $6.00

Newsletter Editor: Dave Edmonson 4747 Westminster Circle, Eagan, MN 55122
Tele: 612-220-5239 email: dedmonson@comcast.net First Quarter, 2016

Two more Indoor Sessions, Outdoor Season Soon!

Monthly Meetings:

Most of the meetings are held at the EAA building at the Anoka County Airport, **first Friday of the month, unless it falls on a Holiday.** Directions, take 35 W north from Minneapolis to Highway 10 west. Note that there is a county road 10 just prior to Highway 10…don't take that road. Proceed west on **highway 10** to 93rd lane (Airport Road), and go right..north, to the bend in the road where you will see a gated entrance. Drive up to the gate and it will open. Proceed on the road until it Ts to the right. Go right until you see the EAA building. ***The meetings start at 11:30AM***

Upcoming 2016 Events:

Cancelled: Friday, February 12 Indoor Contest, Bloomington Armory. . Cancelled*

Friday, March 4, Monthly meeting at the EAA.

Friday, March 11, Indoor Contest, Bloomington Armory. 6:00 to 9:00PM.

Friday, April 1, Monthly meeting at the EAA.

Sunday, April 10, 2:00 Pm to 6:00 PM, Indoor Contest, New Life Church, see directions. "Big One!"

Friday, May 6, Monthly meeting at the EAA.

Sunday, May 22, Fun Fly at North Branch.

Friday, June 3, Monthly meeting at the EAA.

Sunday, June 12, Picnic Contest, North Branch.

June..late, next newsletter

Friday, July 1, Monthly meeting at the EAA.

Sunday, July 10, Summer Contest, North Branch.



The 2016 MMAC club auction is history. If you were not there, you missed another good one! Aaron sold everything but the "Drones".

Dues are due!!
Send check to:
Don Berggren
7593 Irish Avenue South
Cottage Grove, MN, 55016-2064
If you have questions, call him at:
651-459-6140
As of 2-10-2016, 21 members are paid up for 2016, and 18 are not!

Don would also like to remind those that have items from the club library to return them. Also Bob Woodhouse needs to "find" and return some Symposiums and the club rubber cutter!

Meeting Minutes

Per Dave: January 8, 2016
7 loyal members present at meeting,
Meeting minutes approved from last meeting. Treasurers report. Dave Braun to check on new indoor site. FAA discussion, does not appear to be an issue for free flight models! Dave Braun showed a Jimmy Allen Parasol model, from an Easy Bilt Kit.

Per Dave: February 5, 20 members present at meeting.
Settled on April 10 indoor session at New Life Church in Woodbury. You need to bring a table, none provided. Reminder that MMAC 80 year anniversary coming up next year, 1937 to 2017, no banquet this year, but highly probable next year! Adjourned meeting so Aaron Petersen could dispose of all of the treasures at our highly entertaining annual auction!! Gary Oakins to coordinate another auction soon for the models that Dick Bloomquist so generously donated to the club.

January 15, 2016: Indoor Session CD: Dave Edmonson

Greg Thomas put on an amazing exhibition of No-Cal flights! Several flights with his beautiful model circling in the rafters! Luckily the turn circle was tight, and they were "no touch flights".

Phantom Flash					
Entrant	#1	#2	#3	Total	Place
Dave Edmonson	38	43	39	120	1
Jim Jorgensen	38			38	2

Bostonian				Total	
Entrant					Place
Jim Jorgensen	42	48	47	95	1
Dave Edmonson	36	39		75	2
Terry Taylor	20	15	15	35	3

Butterfly				Best 1	
Entrant	#1	#2	#3	Total	Place
Dave Edmonson	112			112	1
Greg Thomas	89	81	104	104	2
Dale Mendenhall	91	80	89	91	3
Terry Taylor	19	57	56	57	4

CLG (best 2)					
Entrant	#1	#2	#3	Total	Place
Dave Edmonson	22.9	19.2	24.1	47	1
Jim Jorgensen	13.7	15.6	14.2	29.8	2

FireFly					
Entrant	#1	#2	#3	Total	Place
Dave Edmonson	52	62	63	177	1
Jim Jorgensen	57	55	54	166	2

No-Cal 3 entries				Total	
Entrant					Place
Greg Thomas	91	89	88	268	1
Jim Jorgensen	39	38	35	112	2

Scale						
Entrant		#1	#2	#3	Total	Place
Jim Jorgensen	Cougar	11			11	2

Upcoming Indoor Sessions:

Friday, March : ***Bloomington Armory …..6:00 PM to 9:30 PM…. 22 foot ceiling***

Sunday, April 10: ***New Life Academy……. 2 PM to 6 PM …... 30 foot ceiling,***
room for Bostonians to cruise!! You must bring a table!!

Indoor sessions. Events are: Phantom Flash, Fire Fly, Bostonian, Butterfly, No-Cal, combined HLG/CLG, and Scale including Peanut and Walnut.

Directions for New Life Academy: 6758 Bailey Rd. Woodbury, MN
From the north: 494 to Bailey Rd. Exit, then left on Bailey 1.5 miles to Lydia. Quick left on Lydia and you're there.
From the west and south: Across Mississippi river bridge (Wakota Bridge) to the Hwy. 61 north exit to St. Paul. Take that exit but stay in the right lane as the Bailey Rd. exit comes up quick. Exit to Bailey and turn right 1.5 miles to Lydia and NLA.

Minneapolis Model Aero Club

2016 Outdoor Free-Flight Contest Schedule

Events: Free Flight Events per AMA, NFFS, MMAC, and FAI rules

All Contests are held at The Sod Farm, North Branch, Minnesota: *40 miles North of the Twin Cities on US 35, 1 mile east on MN 95, left on County Road #30 (stop light in the center of town), north approx 2.5 miles, right on 420th Street (continue east 2 miles to road just prior of Central Turf Sign, south to field).* Must be an AMA member, and NFFS membership encouraged.

GPS coordinates: 45.54997, 92.92455

Call or email Dave Edmonson for more detailed directions or contest questions:
Tele: 612-220-5239 email: dedmonson@comcast.net

Sunday, May 22 "Fun Fly" Fly your favorites or new models!

If weather is bad, will reschedule for a weekday during the next week.

Sunday, June 12"MMAC Picnic Contest" Don Monson, CD (651-457-2321)

#1. Junior Event #2. HLG #3. CLG #4. HoSoFo #5. P-30 #6. Large Rubber
#7. Small Gas #8. Large Gas #9. Embryo-FAC #10. Rubber Scale Event
Flying until 3:00 PM Picnic afterwards

Sunday, July 10 "Summer Meet" Dale Mendenhall, CD (763-535-2976)

#1. Junior Event #2. HLG #3. CLG #4. HoSoFo #5. P-30 #6. Large Rubber
#7. Small Gas #8. Large Gas #9. Embryo-FAC_ #10. Towline Glider 11. Jimmy Allen

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Sunday, August 14"Almost Silent Meet" Gary Oakins CD (651-429-3150)

#1. Junior Event #2. HLG #3. CLG #4. P-30 # 5. HoSoFo #6. Large Rubber
#7. Small Gas #8. Large Gas #9. Embryo-FAC #10. Towline Glider 11. Rubber Scale Event

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Sunday, September 11 "Fall Mini Model" Dave Edmonson CD (612-220-5239)

#1. Junior Event #2. HLG #3. CLG #4. HoSoFo #5. P-30 #6. ¼ Nos Gas/.020 Rep
#7. Gas # 8. SAM OT Rubber #9. Embryo-FAC 10. Jimmy Allen

Sunday, Oktober 9 "Oktoberflug" Dave Braun (651-731-6179)

#1. Junior Event #2. HLG #3. CLG #4. HoSoFo #5. P-30 #6. Large Rubber
#7. Gas #8. Embryo-FAC #9. Towline Glider #10. Rubber Scale Event

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Note: Entries accepted until 2:00 PM. For all contests, 3 scoring flights, and no rounds. You may enter multiple class models in an event if desired (additional class model only). Class 3 field, all maxes except for flyoffs to be 2 minutes, or 90 seconds if the wind is above 12mph at the start of the contest. ***Combined events, please specify "EXACT" NFFS event for points on score sheet.***

1. Large Rubber: Any rubber model including SAM oldtimers.
2. Small Gas: .061 or less size gas powered model. 7 sec engine for AMA and Classic, 9 for Nos, 5 for any FAI model..
3. Large Gas: Larger than .061 size gas powered model. 7 sec engine for AMA and Classic, 9 for Nos, 5 for any FAI model..
4. Towline Glider: Any A-1, A-2, F1H, F1A, or Classic Towline (50 meter towline length)
5. HoSoFo: Fly any event, 3 flight total, specify model type if you want NFFS points.. In memory of Herman Fessler.
6. Rubber Scale, any size or class

The Prez Sez: ***"Thoughts While in the Deep Freeze"***

We've hit a mid-February cold snap so I hope you're all huddled in the shop fine tuning your indoor stable of ships and dreaming about thermals and the sod farm. Time flies so get busy on the outdoor stuff, too. Speaking of indoor, the 4-hour April session has been resurrected and will take place at New Life Academy in Woodbury. Very nice full sized gym with about 30 ft. (my estimation) of usable ceiling. Hours will be from 2 p.m. to 6 p.m. As this is a more expensive venue, a nice turnout would be beneficial and tho I speak with forked tongue because I haven't been too active on the indoor scene, I plan on dusting off a few lead sleds and joining the fun. Being as this is a new site and we will likely have a few onlookers, I trust we will be on our best behavior. I'm sure that needs no mention, although I guess I just did.

The Prez Sez: ***"Shop Talk and Handy Hints Redux"***

Terry Taylor mentioned that he finds emery boards to be handy for sanding those fidgety little parts that need a gentle touch. I believe they're available in a variety of grits and are probably inexpensive as well. I might have to raid the wife's feminine personal care cabinet to see what I can find there, On second thought, maybe not. A strip of sandpaper stuck to a popsicle stick or tongue depressor with a bit of spray cement and then trimmed, works well also. (Note to B. W. Grit Side Out)

As a home owner I spend a fair amount of time and money at Menards. They have a small craft section of plywood, balsa, and basswood and I generally stop by to check the quality on hand. It's Midwest balsa and I can usually find some very nice stuff. I don't tend to shop around much so I can't speak for the price, but it's always worth a look. I also find the 1/16 sq basswood to be very useful in spots that call for hard stringy balsa sticks; embryo front ends, etc. The strength gain is significant with a negligible weight penalty.

After a long absence from the contest scene, retirement found me back in action and in need of supplies. First order of business was a bottle of cyanoacrylate, so a trip to a local hobby shop was in order. I was shocked when the guy at the counter told me how much it cost. So shocked, in fact, that TWO moths flew out of my wallet. Anyway, I bit the bullet and bought the glue. Long story short, Gary Oakins told me about Loctite cyano at Menards and a good tip it was. They (Loctite) offer several types of dispensers but the best deal appears to be the 10 gram bottle for about three bucks. Good stuff and the shelf life has been good.

I guess that's plenty for now. Finished the Farman "Moustique" walnut the other day, next stop, the 1/2-A Satellite 226. (Look out Gary!!)

Dave Braun



<u>Annual Auction:</u>
<u>20 members participated</u>

Picture left: Aaron Petersen auctioning off approximately $320 worth of bargain treasures. Thanks again to Jeff Ringlien for his fine assistance. Plenty of aviation books found new homes with Aaron using his head to make sales to a reluctant crowd! Everything was sold this time, and even Gary Oakins was able to find something to buy. There were no drones at the auction, but I know that Aaron would have refused to sell them!