



Academy of Model Aeronautics

Chartered Club #970
10 Year Gold Leader Club

Skywriter

2009 Krazy Snow Fly



Michael Sanger watches the action at the Krazy Snow Fly. Bill Stark's trainer on skis and Gene Thuringer's flying boat flew great off the snow. Thanks to event director Paul Zabawa!



2010 Club Officers & Appointees...

President:	David Wendt	4549 Sedona	Clarkston	48348	248-969-8738
Vice Pres:	Paul Zabawa	PO Box 138	Metamora	48455	810-678-3332
Secretary:	Dan Stolz	1311 Pondview Ln.	Oxford	48371	248-236-0206
Treasurer:	Bob Donohue	3323 Baldwin Woods	Orion	48359	248-915-9791
Editor:	Pete Foss	562 Tanview Dr.	Oxford	48371	248-236-0676
CFI :	Ron Sokacz	40714 Matlock	Sterling Hts	48310	586-977-1404
State Park:	Bill Stark	1010 E. Clarkston	Lake Orion	48362	248-693-8639
Membership:	Gary Weaks	2512 Red Fox Trail	Troy	48098	248-540-8358

President's Letter

Did you see the February cover of Flying Models? Jim Held's PBM-5 Mariner looks great sliding across the water and Greg Cardillo wrote a captivating article about the 2009 Midwest Regional Float Fly. If you don't have a copy, I would suggest picking one up.

This year, we have a great line up of meetings. I'm looking forward to our January 27th meeting. Joe Hass has done some research on why 2.4 GHz radios go into failsafe indoors. Personally, the only reason I have lost planes is because of pilot error. However, I have heard a few people telling me that their planes have become suddenly uncontrollable. Joe has some explanations for why this might have happened. George Maiorana will bring his C-133 Cargo aircraft to the meeting. Larry Boulet and Chris Hass will be giving us some tips on how to build foam planes light. I'm really looking forward to all the information that will be packed into the meeting.

This is also the time of year for Swap Shop deals. If you know of a person who is just starting out in RC the Swap Shop is an excellent source for a trainer plane. A swap shop plane is generally inexpensive. Additionally, a beginner will have very little time invested in a swap shop plane. It's kind of liberating to fly a plane you have no emotional ties with. Last year I picked up two planes at the Skymasters swap shop. Both planes were excellent deals that I could not pass up. This year I am going to spend a little time getting ready for the swap shop by organizing a box of items that I can sell. There is a lot of stuff in my basement that has sat idle for years. Hopefully I can make somebody's day by getting rid of it a great price.

Last, I encourage each of you to continue to make pilot safety a top priority. The AMA has posted the 2010 Official AMA National Model Aircraft Safety Code at the following URL <http://www.modelaircraft.org/documents.aspx>. The sections that apply to radio controlled aircraft are reprinted on pages 6 and 7 of this newsletter. These are guidelines that we should all take seriously.

On the home front, I encourage you to continue to use your most important tool, your brain! Many of us are flying indoors over the winter and it is important that we use our heads. Try not to fly out of your designated areas at the soccer field. Please stay out of the rafters. It really bothers the owners of Ultimate Soccer to have planes stuck in the rafters. If you choose to fly a helicopter, please make sure you have your failsafe set properly. If your receiver fails to work correctly for whatever reason, you want to know what the helicopter is going to do. During a failure is not the time to find out how the failsafe is set. If you are flying a 400 sized heli indoors please be conscious of whom you are flying next to. You don't want to be in the middle of a crowd of small helicopters. Try to find a location in the heli area that is not heavily populated. If you are flying outdoors in the winter remember that all batteries lose charge faster when cold. Plastic parts tend to fracture easily when cold and can become dangerous flying objects. You are the most important part of the model aircraft flying experience, so take care of the most important component.

David Wendt
2010 Skymasters President



FLYING MODELS

February 2010 \$4.99
Canada \$6.99

We will remember...

Skymasters
Midwest Regional Float Fly

Review
E.flite's
PT-19

Construction
R/C Hughes H-1
C/L Piper Pawnee
F/F Arado Ar96V

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Skymasters General Meeting Minutes January 13, 2010

Attendance: 54 Members and Guests. Special guests David and Art Adamisin.

4 Stroke Engine Repair and Maintenance – Joe Hass introduced David and Art (AMA Hall of Famer) Adamisin – long time modelers and family friends. David presented how to break down a Saito 52 that was tight because of castor oil build up. David did a great job discussing the process and procedure of breaking the engine down, cleaning the parts and re-assembling. There were many questions from the members present and a good dialogue ensued. A sample of some of the interesting comments were:

Check valve clearance every 25-30 flights.

A crock pot with anti-freeze works great for cleaning parts. Turn the crock pot on high and submerge the parts for as long as needed. **When using the crock pot technique the crock pot should never again be used for food!** Buy a used one, label it "not for food" and throw it away if you never want to clean an engine again. Make sure the wife is nowhere to be found! You can also use liquid automatic dishwashing detergent in gently boiling water to clean engines. Just make sure that you immediately lubricate the parts with WD-40 upon removal and drying.

Polish the wrist pin with WD40 and 600 grit sandpaper (lightly).

Use Scotchbrite on pistons to clean castor oil residue. Do not use sandpaper.

When cleaning pistons, make sure the ring slot gets cleaned so the ring will seal when the engine is running.

Mark the piston so you know which way it sits in the cylinder.

Con rod – always put the chamfered edge against the crankshaft.

Tip – make a "U" shaped alignment tool to help keep the cam gear aligned when re-assembling. There is no way to check your accuracy once re-assembled. The tool should help to make sure the gear does not rotate. Just one tooth off can have disastrous consequences.

When sliding the piston back into the cylinder, it helps to hold one of the valves open or pull the glow plug to vent the air out as the piston slides in.

Our fuels cause internal engine rust. It helps to use WD40 (Water Displacement) first which helps separate any water residue off the engine surface, then use after run oil to lubricate the internals.

Show-N-Tell – We had six individuals show us 11 different aircraft (*great turnout—Pete*)

F-16 – Terry Overton discussed his F-16 foam ARF from Hobby Lobby and was offering it to the highest bidder. F-16's are just not Terry's style!

Sorrell HiperBipe SNS-7 – Terry Overton also discussed his scratch built Sorrell HiperBipe inspired by a 1918 drawing from a magazine. It was 1/6 scale and used an RCV58 rotary engine. The plane was beautifully covered in yellow and white.



Engine expert David Adamisin presided over an excellent discussion on the care and feeding of model 4 stroke engines..



Terry Overton and his scratch built Sorrell HiperBipe. (Continued on page 4)

(Continued from page 3)

PZL P11C – This stick built free flight Dumas kit plane was shown by Robyn Rissell in the bones. The plane will have a 30” wing span and is being converted to 3 channel RC electric. Robyn is still not sure which power plant he will use. It will depend on final weight and CG considerations.

Nutball – This EPP foam “indoor flying bulldozer” was shown by Paul Zabawa and is designed to take all other indoor flyers on with a “Take no prisoners” attitude. I can’t wait to see this one fly in combat.....

Ken Willard Drake II – Larry Parker showed us a beautiful plans built flying boat decked out with a Coast Guard theme. This was Larry’s first plans built experience. This electric plane outfitted with an Emax CF2822 engine was built to fly off water or land. Larry made a few modifications from the plans to help with water deflection and other flight characteristics. Nice job Larry!

Fancy Foam MX2 and Yak – both of these amazing indoor planes were shown by Chris Hass. The MX2 came in at 5 oz and the Yak at 6 oz. In the hands of Chris, I am sure they will deliver some amazing 3D flights over the coming months.



Electrify VFO and StarChaser – Joe Hass showed us these unique “aircraft”. The VFO is a new offering by Electrify and sports some unusually coordinated surface movements. The maiden flight has been done and it flies very well. The Star-chaser is third generation and gets better with age. Again this “vehicle” flies well once airborne. Both take off and land vertically. Takeoffs are great but landings can be interesting.

Joe also brought 2 Stringless Wonders converted to RC. The 100% version weighs 17 grams. The 150% version weighs 39 grams. Both include the Vapor receiver/servo systems with an Ember motor drive in the 100% version and a Park Zone P-51 motor in the 150% version. The original Stringless Wonder was a 1973 rubber powered stick and tissue design.

Tonight was Larry Parker’s lucky night. Larry won the drawing for both the Show-N-Tell pilots as well as \$25 in the 50/50.

The next meeting is January 27 at the Larsen Middle School. There will be a special presentation on Indoor Building Tips and Techniques. George Maiorana, Larry Boulet, Joe Hass, and Chris Hass will be presenting. It promises to be a great evening.

Meeting adjourned at 8:50PM

Submitted by:
Dan Stolz, Skymasters Secretary

Joe Hass presents new president David Wendt with the official Skymasters sledgehammer gavel.

Krazy Snow Fly

The 2009 Krazy Snow Fly was another huge success. 30 pilots plus many more friends, family and guests spent a "chili" morning enjoying flying and fun. There were a few challenges. The biggest one was getting into the field! Under a thin layer of snow was glaze ice on the driveway. It was less than humorous to watch some cars slide backward down the driveway with their wheels locked as the car was in park. It took some creative moves to get those vehicles repositioned.

Sherman Dickson was one of those who couldn't make it. He went to Home Depot to pick up 10 bags of cement that he spread over the entrance with the help of Joe Hass and Dan Stolz. Instant traction! Larry Salisbury also plowed the drive and parking lot. Thanks guys!

Donuts, bagels and Carolynn Foss' Christmas cookies greeted all who arrived. Paul Zabawa's famous chili was warming up too. The winds were very mild so a lot of flying took place early. Aircraft included one ounce electrics, helicopters and a wide variety of fixed wing glow and electrics. A fire, a propane heater and Paul's chili took away the cold, warming us inside and out and kept the group moving. A pilot's drawing with a variety of tools and gift certificates brightened everyone's day as well.

Happy New Year!
Joe Hass



**Academy of Model Aeronautics
National Model Aircraft Safety Code
Effective January 1, 2010**

GENERAL

A model aircraft shall be defined as a non-human-carrying aircraft capable of sustained flight in the atmosphere. It may not exceed limitations established in this code and is intended to be used exclusively for sport, recreation, and/or competition.

1. I will not willfully fly my model aircraft in a careless or reckless manner, and will abide by this Safety Code and any additional rules specific to flying sites.
2. I will yield the right-of-way to man-carrying aircraft and will see and avoid all aircraft, utilizing a spotter when appropriate. (See AMA Document #540-D on See and Avoid Guidance.)
3. I will not fly my model aircraft higher than approximately 400 feet above ground level, when within three (3) miles of an airport without notifying the airport operator.
4. The maximum takeoff weight of a model aircraft, including fuel, is 55 pounds, except for those flown under the AMA Experimental Aircraft Rules.
5. I will not fly my model aircraft in sanctioned events, air shows, or model demonstrations unless I have previously proven that my aircraft, control system, and piloting skills are adequate by successfully executing all maneuvers intended or anticipated in the specific event. If I am not a proficient pilot, I will not fly in these events unless assisted by an experienced pilot.
6. I will not fly my model aircraft unless it is identified with my name and address, or AMA number, inside or affixed to the outside of the model aircraft. This does not apply to model aircraft flown indoors.
7. I will not operate model aircraft with metal-blade propellers.
8. I will not operate model aircraft carrying pyrotechnic devices which explode or burn, or any device, which propels a projectile of any kind. Exceptions include Free Flight fuses or devices that burn producing smoke and are securely attached to the model aircraft during flight. Rocket motors up to a G-series size may be used, provided they remain firmly attached to the model aircraft during flight. Model rockets may be flown in accordance with the National Model Rocketry Safety Code; however, they may not be launched from model aircraft. Officially designated AMA Air Show Teams (AST) are authorized to use devices and practices as defined within the Team AMA Program Document.
9. I will not operate my model aircraft while under the influence of alcohol or while using any drug which could adversely affect my ability to safely control the model.
10. When and where required by rule, helmets must be properly worn and fastened. They must be OSHA, DOT, ANSI, SNELL or NOCSAE approved or comply with comparable standards.

RADIO CONTROL

1. All pilots shall avoid flying models over unprotected people.
2. I will complete a successful radio equipment ground-range check in accordance with the manufacturer's recommendations before the first flight of a new or repaired aircraft.
3. At all flying sites a safety line or lines must be established, in front of which all flying takes place. Only personnel associated with flying the model aircraft are allowed at or in front of the safety line. In the case of air shows or demonstrations a straight safety line must be established. An area away from the safety line must be maintained for spectators. Intentional flying behind the safety line is prohibited. (See AMA Document #706 for Recommended Field Layout.)
4. I will operate my model aircraft using only radio-control frequencies currently allowed by the Federal Communications Commission (FCC). Only individuals properly licensed by the FCC are authorized to operate equipment on Amateur Band frequencies.
5. I will not knowingly operate my model aircraft within three (3) miles of any preexisting flying site without a frequency-management agreement. (See AMA Document #922 for Testing for RF Interference. See AMA Docu-

(Continued on page 7)

(Continued from page 6)

ment #923 for Frequency Management Agreement.)

6. With the exception of events flown under official AMA Competition Regulations rules, excluding takeoff and landing, no powered model may be flown outdoors closer than 25 feet to any individual, except for the pilot and the pilot's helper(s) located at the flight line.

7. Under no circumstances may a pilot or other person touch a model aircraft in flight while it is still under power, except to divert it from striking an individual. This does not apply to model aircraft flown indoors.

8. Radio-controlled night flying requires a lighting system that provides the pilot with a clear view of the model's attitude and orientation at all times.

9. The operator of a radio-controlled model aircraft shall control it during the entire flight, maintaining visual contact without enhancement other than by corrective lenses that are prescribed for the pilot. First-Person View (FPV) flying may only be conducted in accordance with the procedures outlined in AMA Document #550.

Specialized AMA Documents:

Radio Control Combat (#525), General Radio Control Racing (#530), Giant Scale Radio Control Racing (#515-A), Gas Turbine Operation (note: Special Waiver Required) (#510-A), Park Flyer Safe Operating Recommendations (#545), First Person View (FPV) Operations (#550), Recommended Field Layout (#706), Procedure for RF Interference Testing between Model Sites (#922), Frequency Management Agreements (#923), See and Avoid Guidance (#540-D), Team AMA Air Show Safety Document (#718)

These special codes and appropriate documents may be obtained either from the AMA Web site at www.modelaircraft.org or by contacting AMA Headquarters.

UPCOMING AREA CLUB EVENTS

Sponsor Club: **Midwest R/C Society**

So You Want to fly XFC - Wednesday, February 3, 2010

EAA building, Chapter 113 at Mettetal Airport, Plymouth MI - 7:30 PM

The SPECIAL GUEST SPEAKER at the February 3, 2010 Midwest RC Society Meeting is ANDREW JESKY. Andrew's presentation will be "So You Want to fly XFC" The discussion will center on the skills and preparation needed to fly in the XFC competition. A video will be shown of a typical airplane routine in this competition. Andrew competes in national and international aerobatic competitions and will have a lot of information to share with us. We hope you will attend this interesting presentation. As always, everyone with an interest is welcome to attend Midwest meetings! Meetings begin at 7:30 p.m. in the EAA building, Chapter 113 at Mettetal Airport, Plymouth MI The airport is located at Joy and Lilley roads in Plymouth, Milan aircraft related video precedes the meeting at 7:00 - come early and enjoy!

Website: <http://www.midwestrcsociety.org>

Contact: Ken Myers

Email: kmyersefo@mac.com

Sponsor Club: **Chesaning Area R/C Model Flying Club**

28th Annual Radio Control Swap Meet - Sunday, February 7, 2010

Saginaw County Fairgrounds, 11350 Peet Rd., Chesaning, MI 48616

Website: <http://http://chesaningrcclub.org/>

Contact: Marshal Emmendorfer Phone: (810) 348-6390

Sponsor Club: **PMAC**

PMAC's Annual Ice Fly - Sunday, February 21, 2010

Oakland County Boat Club, 2330 Ferndale, Sylvan Lake, MI - 12:00 PM

Bring your best ice flier, enjoy a free hot dog and chili lunch!

Website: <http://www.pmac.jydata.com/>

Contact: Tom Kindig Phone: (248) 451-9253

Email: dovekin2@aol.com

UPCOMING SKYMASTERS EVENTS

Winter Weather Reminder

Our meetings are dependent on the status of the Troy School District. If Troy Schools are closed - or cancel after school activities, our events are cancelled as well. Please check local radio and TV stations for status. We will update the site as soon as possible in the event of a cancellation.

Winter Indoor Flying! - Tuesdays Thru the Winter

Ultimate Soccer Arena, 867 South Blvd, Pontiac, MI - 11:00 AM

Located just west of Opdyke, on the north side of South Blvd - a 365 ft by 260 ft facility with ceilings from 45 to 75 ft available for indoor flying from 11am to 1 pm!! Ample room for concurrent flying of 3D, Heli, and Sport. Purchase 5 sessions for just \$30 or season pass for all 23 sessions for just \$100 (available at event) Single sessions available for \$15.

Temperature controlled, well lit. Restaurant on site.

Skymasters Meeting - Wednesday, January 27, 2010

Larson Middle School. 2222 E. Long Lake Road, Troy - 7:00 PM

Indoor Building Tools, Tips and Techniques. One of our special guests - Top Gun winner George Maiorana will be bringing his 100 inch 4 engine C-133 cargo aircraft. This work in progress is a must see for all modelers! Whether you fly electrics or not this is one airplane you need to see! Join us for an informative panel discussion on the latest ways to build your favorite indoor project. George Maiorana, Larry Boulet and Joe and Chris Hass will cover building lightweight foams with epoxy, finishing techniques, unique water transfer decorations, variable pitch prop set ups, tools, supplies to make getting your indoor aircraft in the air sooner and much more. There will be a special discussion of radio setups and use of 2.4 spread spectrum for indoor flying. Tools supplied by RJRCoolTools.com. Part, supplies and accessories supplied by Flight Line Hobby, Prop Shop, RC Hobbies and Nankin Hobby. Bring your ideas and questions!

(Due to the amount of material - we will not have our normal show and tell...)

Retiree and Want'A Be's Breakfast - Monday, February 1, 2010

The Red-Olive Restaurant, 1194 Walton Blvd, Rochester - 9:00 AM

First and third Monday of each month throughout the winter - Join us for breakfast and R/C talk. (located in the new strip mall directly across the street from Crittenton Hospital on Walton Blvd. just east of Livernois.) Restaurant features a \$3.59 breakfast special and all of their omelets are \$3.95 on weekday mornings. Contact Sherman Dickson or Fred Engleman for more information.

Skymasters Meeting - Wednesday, February 10, 2010

Larson Middle School. 2222 E. Long Lake Road, Troy - 7:00 PM

An evening with Retro RC. Local modeler and designer Mark Freeland has created a variety of kits and accessories with a decidedly "retro" look but with the latest building techniques. The kits are phenomenal. The "Wire Wheels" will amaze you.

Retiree and Want'A Be's Breakfast - Monday, February 15, 2010

The Red-Olive Restaurant, 1194 Walton Blvd, Rochester - 9:00 AM

First and third Monday of each month throughout the winter - Join us for breakfast and R/C talk. (located in the new strip mall directly across the street from Crittenton Hospital on Walton Blvd. just east of Livernois.) Restaurant features a \$3.59 breakfast special and all of their omelets are \$3.95 on weekday mornings. Contact Sherman Dickson or Fred Engleman for more information.

President's Day Indoor Flying! - Monday, February 15, 2010

Ultimate Soccer Arena, 867 South Blvd, Pontiac, MI - 11:00 AM

Located just west of Opdyke, on the north side of South Blvd - a 365 ft by 260 ft facility with ceilings from 45 to 75 ft available for indoor flying from 11:00am to 1:00pm on Monday, January 19th!! Ample room for concurrent flying of 3D, Heli, and Sport. Temperature controlled, well lit. Restaurant on site. This will be another 'normal' session - Use your 'punch card' or Gold card for Admission. Five sessions \$30 - Season "Gold" Pass \$100 - Single Session \$15

Swap Shop - Wednesday, February 24, 2010

Larson Middle School. 2222 E. Long Lake Road, Troy - 7:00 PM

Our annual swap shop! Known as a hobbyists swap meet - our mid-week event is one of a kind. Set up at 6pm.

Retiree and Want'A Be's Breakfast - Monday, March 1, 2010

The Red-Olive Restaurant, 1194 Walton Blvd, Rochester - 9:00 AM

First and third Monday of each month throughout the winter - Join us for breakfast and R/C talk. (located in the new strip mall directly across the street from Crittenton Hospital on Walton Blvd. just east of Livernois.) Restaurant features a \$3.59 breakfast special and all of their omelets are \$3.95 on weekday mornings. Contact Sherman Dickson or Fred Engleman for more information.

Skymasters R/C Club 2010 Application For Membership



Information (print clearly)

Last Name: _____

AMA #: _____

Address: _____

City: _____

State: _____ ZIP: _____

E-mail: _____

Birth Date: _____

Significant Other: _____

New Member () Renewal ()

First Name: _____

Pilot: () Student: ()

Home Phone: _____

Work Phone: _____

Cell Phone: _____

Newsletter: Will be sent by email. If you need a paper copy,
please check here: Standard Mail ()

Other Family Members Who Fly

Name: _____ AMA #: _____ Pilot () Student ()

Name: _____ AMA #: _____ Pilot () Student ()

Field Rules

- 1) Field hours are 10 AM - 8 PM (NO EXCEPTIONS)
- 2) Noise limit is 94 dB at 10 feet.
- 3) All legal frequencies on 27mHz, 50/53mHz (with Ham license), 72mHz, 900mHz, 2.4GHz permitted.
- 4) All 50mHz and 72mHz transmitters and receivers must be narrow band.
- 5) All Radios in impound when not in use - Membership card must be placed in slot on frequency board when pin is removed.
- 6) You must not fly behind the flight line.
- 7) AMA Safety Code and Skymasters Field Rules must be followed.
- 8) All vehicles at field are required to have current year State Park Permit.

I have read the above rules and agree to abide by them and all other Skymasters and AMA rules and regulations.

Member's Signature: _____ **Date:** _____

Club Officer Use:

Date: _____ Dues Paid: CK () CA () AMA Verified _____ *Voted In _____

To renew by mail, send the following:

- 1) *Renewing members: Check for \$70 (\$100 after February 28, 2010)
- 2) *New members: Check for \$100 (\$70 Dues + \$30 Initiation Fee)
- 3) Photocopy of 2010 AMA Card
- 4) Self addressed stamped envelope
- 5) Completed & Signed Application

Mail To: Gary Weaks
2512 Red Fox Trail
Troy, MI 48098

Make checks payable to Skymasters

*We are asking **ALL MEMBERS** to fill out an application to help verify our records. Thank You.*



SKYMASTERS RADIO CONTROL CLUB OF MICHIGAN

Pete Foss
562 Tanview Dr.
Oxford, MI. 48371

Web site: www.skymasters.org
Email: newsletter@skymasters.org



PHOTOGRAPHY by
Greg Cardillo



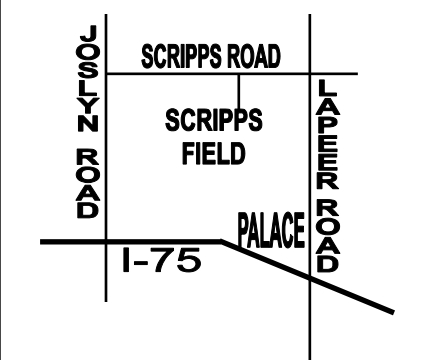
Skymasters Information.....

Skymasters field is located within the Bald Mountain State Park on Scripps Road (see map). State Park Permits are required and can be obtained from the Park Headquarters located on Greenshield Road or at club events. Flying is permitted from 10 AM to 8 PM. The noise limit is 94 dBa at 10 feet—this noise rule is strictly enforced.

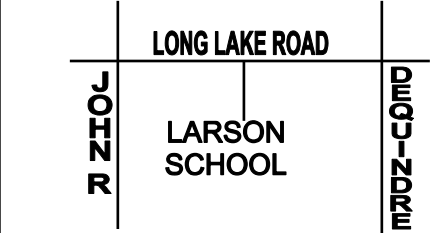
In the summer, Wednesday evenings are Student Nights and there are usually instruc-

tors around all night is also a pot luck buffet, bring something for the grill & a dish to pass. Meet the Instructors and arrange for more instruction time together on other days. Our Chief Flight Instructor is Ron Sokacz (586) 977-1404.

SCRIPPS ROAD FIELD



WINTER MEETINGS



From June to August, Club meetings are held at the field, on the second Wednesday of

the month at 8 PM . A great chance to fly and socialize. Winter meetings—September to May—are held at Larson Middle School (on Long Lake just east of John R—see map) on the second and fourth Wednesday of the month at 7:00 PM. Bring a model for Show and Tell, enjoy coffee with donuts and listen to the speaker of the evening.

The Skywriter newsletter is sent to members, local hobby shops, and other R/C clubs in the area and around the country. All contributions are welcome. Please send articles to the Editor. If you know of anyone who may be interested in R/C Aviation, please give them a copy of this newsletter or a copy of an AMA magazine. It may spark their interest!