



Chartered Club #970
15 Year Gold Leader Club

Skypwriter

FALL FLOAT FLYING



2011 Club Officers & Appointees...

President:	Greg Cardillo	2086 Cedar Key Ct.	Lake Orion	48359	248-393-1056
Vice Pres.:	Neil Krohn	722 Leinster	Rochester	48309	248-375-0908
Secretary:	Dan Stolz	1311 Pondview Ln.	Oxford	48371	248-236-0206
Treasurer:	Bob Donohue	3323 Baldwin Woods	Lake Orion	48359	248-915-9791
Editor:	Mark Smith	1955 Hopefield	Lake Orion	48359	248-391-5970
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:	Randy MacInnes	8189 Easton Rd S.	Clarkston	48348	248-394-0414

President's Message...

By the time you read this, it will already be September... as the summer starts to wind down and weather cools off.

For many years, Skymasters has maintained 'Gold Leader Club' status with the AMA. How many years? Well - we just received a plaque and patches from the AMA congratulating us on 15 years of Gold Leader Club status!! Congratulations Skymasters!"

The Past Month We had another month of successful events!

About 100 people attended our annual fish fry. Thanks to Bill Dezur for coordinating, and all the volunteers that help before and during the event.

Our annual Corn Roast again included a Pig Roast. Thanks to Dave Wendt for his efforts in preparation and cooking the pig! We met at his house at 5am Sunday - then off to the field to have the pig on the fire by 6. There was plenty of food and fun for our families and guests.

We had two Saturday mornings of float flying on Trout Lake in Bald Mountain. Both were well attended. Thanks to Mark Smith for coordinating. Stay tuned for details on additional Saturday float flying starting in mid-September.

Upcoming Events

Coming up quickly is our Midwest Regional Float Fly! September 10th and 11th are the dates down at Island Lake Recreation Area. If you haven't been to this event before - we have averaged over 80 pilots with 150 planes all flying off the beautiful waters of Kent Lake. Self contained camping is available for those wanting to spend the night. Come to fly... Come to help

Held for coordinating the activities throughout the year.

We are working on finalizing meeting programs for our fall meetings. The first meeting will be Wednesday, September 28th. Watch for details on the website and email.

Volunteers Needed

Once again a big thank you to all those that have volunteered and given their time and talents to help support the club. As we near the end of another year - we turn to our membership to ask for volunteers for next year - if you would like to help in the running of the club, please talk to me or any of the club officers - we welcome your input and assistance. We have a specific need in the next month for someone to step up for the position of Membership Director - to handle the member

renewals and new members joining throughout the year. The ability to be at our fall meetings is helpful. Access to the web is required for maintaining the roster.

Hopefully we still have some fall flying weather to take advantage of... See you at the Midwest Regional Float Fly - at the field, and at our meetings!

Happy Landings!

Greg Cardillo



AMA's 15 Year Gold Leader Club Award

out - there is something for everyone to do - more people makes for easy work!... Come to enjoy the flying and fun!

Our 'official' Student Days/Nights wind down for the year - but remember students are always welcome. An instructor list is posted at the field. Contacting an instructor and arranging a day/time to meet can give you more flying time.

Stony Creek Float Flying continues on Wednesday mornings. Thanks to Jim

FISH FRY



CORN ROAST



FALL FLOAT FLY GZ



Working Heat Treated Music Wire

By: Roy Vaillancourt

The music wire that we use for landing gear and cabane struts is medium carbon steel that has been heat-treated to a spring temper. It is generally very useful to us in this form.

Spring temper defines a metal hardness that, if measured on the Rockwell hardness scale, would be about Rc 45. At this temper steel is referred to as being in the "tough" hardness range, with a Rc 20 being considered soft and Rc 60 being considered hard.

When in the tough temper state wire can be worked, but not as easily as if it were soft. In this tough condition it can be bent and cut using the proper tools and techniques, however, sometimes this tough state is just too tough for us....

To work steel more easily we can heat it up, and as it heats it becomes softer. While in this softer state we can bend it the way we need it. After we have bent or formed the wire it may cool at an uncontrolled rate. This cooling rate is directly responsible for the hardness of the wire after it is formed. As a result the finished part may be much softer (or harder) than its previous state. Now for some parts that's ok... but for landing gear we just can't leave it in the soft state because on the very first landing the wire would simply bend and not "spring back" to its original position or shape. If we left it in a hard state the next landing would snap the wire. So, to return the steel to its springy condition we must restore that specific spring temper by heat treating the appropriate area.

The steps that should be taken in order to form wire more easily would be to first anneal it (that is to soften it), form or bend to desired shape and then re-heat treat the part back to the spring condition. First the wire should be annealed at the location to be bent. To anneal heat your wire with a torch until it becomes a bright cherry red (this color represents about 1400 degrees F). Let the wire cool completely to the touch. Don't quench it or blow air on it. Just let it cool naturally away from any drafts. The wire should now be in the Rc 25 range. This is considered soft and you will find the wire bends very easily at this hardness. After forming, once again heat your wire with a torch until it becomes the bright cherry red but this time "quench" (rapidly cool) in room temperature water. When plunging the steel into water, do it with a twisting swirling motion to prevent water vapor from insulating the wire from the coolant action of the water. This will insure that a more even quench is therefore obtained.

At this point the wire should be very hard... probably above Rc 60. To test whether this is so attempt to file a mark on the super-hard area. The file should slide off without cutting into the steel at all. If, however, it does not slide off but cuts, you did not heat and quench properly or you do not have high carbon steel... Try the heat and quench cycle again. If your file still cuts then you definitely don't have high carbon steel.... So get another piece of wire and start over because you will not be able to add the necessary carbon to low-carbon steel. If you are successful in getting it very hard do not try to use the wire while it is in this very hard state. It is quite brittle and will snap off.

The next step is to temper the wire back to the desired hardness. Tempering is a form of annealing but is controlled so that the steel "stops" at a specific hardness. Start by shinning the wire with steel wool or emery cloth. Then heat it up gradually using the torch and watching for the following colors as a guide: The first color will be straw (350 degrees), followed by a dark blue (600 degrees), which is followed by a medium blue (750 degrees). At this point remove the wire from the heat source and allow it to cool slowly. **DO NOT QUENCH IT OR BLOW ON IT!** Just let it stand to cool on its own at room temperature away from any drafts. Once the steel returns to room temperature it should be at the target RC 45 hardness, which is a good spring temper. Perform the file test again. You should be able to make a mark now.... But with some effort. If it passes this test you have tempered your wire to the proper degree. Good luck!

Tempered music wire can also make great special purpose tools. Instead of tempering to the 750 degrees, stop at the straw color stage and you'll have the wire at about Rc 60; it is still very hard, but not

ON THE WING



Midwest Regional Float Fly

We are looking for members to help at the MWRFF.

Pete Foss is heading up this years event, the Largest Float Fly in the country, maybe the World! It takes many members to make this meet a success. If you can volunteer a few hours of your time it will make it easier on all the other workers at this event.

We need people to setup, beach workers to pick up planes from the boats, help in the kitchen, the impound, registration, raffle, flight line and tear down. There is self contained camping if you like. This is a must see event for all flyers, come out to help, see what Float Flying is all about.

See you there!

AN IMPORTANT AEROMODELING EVENT

SATURDAY SEPTEMBER 17, 2011

1 PM TO 4 PM

ULTIMATE SOCCER ARENAS

AMA / FAA UPDATE

FEATURING

MARK SMITH

AMA EXECUTIVE VICE PRESIDENT

SPECIAL GUEST

TIM JESKY

CANDIDATE

AMA DISTRICT 7 VICE PRESIDENT

1-3PM FIELD 2

FREE OPEN FLYING (MUST HAVE AMA)

DEMOS

DISCUSSIONS

3-4PM MEETING ROOM

SPECIAL GUESTS

AMA /FAA LATEST INFORMATION

MEET THE CANDIDATE

RAFFLE

FOOD AND BEVERAGES AVAILABLE FROM WORLD CUP GRILL

ULTIMATE SOCCER ARENAS

867 SOUTH BLVD

PONTIAC, MICHIGAN

EVERYONE WELCOME

FOR MORE INFORMATION CONTACT

JOE HASS

248-321-7934

SEPTEMBER 2011

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5 LABOR DAY	6	7 STONY CREEK	8	9 MWRRF SET-UP DAY	10 MIDWEST REGIONAL
11 MIDWEST REGIONAL	12	13	14 STONY CREEK	15	16	17
18 P.M.A.C SCALE	19	20	21 STONY CREEK	22	23	24
25	26	27	28 MEETING LARSON	29	30	



Skymasters R/C Club

We'll Teach you to fly!

Join the Skymasters Radio Control
Club for an R/C Aircraft Event

Midwest Regional Float Fly

Saturday/Sunday September 10-11, 2011

Island Lake Recreation Area, Brighton, Michigan

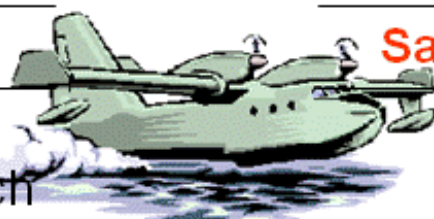
Check in at 8:30AM; Event flying from 9:30AM each day!

"The best float flying site I've ever seen!" – Dave Brown, Past President AMA

Open Flying both days!

Super Prize!

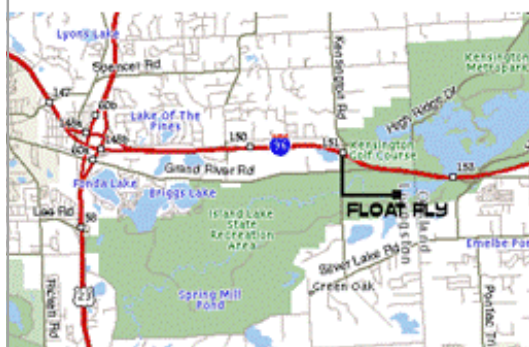
Judged Competition



Saturday Night Dinner

40 acre clear lake
1,000 feet sand beach
6 acre lawn/picnic area
Flying open to AMA members

As seen in
**SKS Videos and
February 2009 Flying
Models Magazine**



- Lots of Parking
- Refreshments available at event
- Pilot Door Prizes
- Great chance to see this exciting hobby!

**Public
Welcome!**

Island Lake Recreation Area is located on the south side of I-96 at Kensington Road. 12 miles west of I-96/I-275 or 3 miles east of I-96/US-23.

Vehicles - See reverse for Recreation Passport information

For more information call Pete Foss 248-236-0676

On the web at www.skymasters.org – Email at floatfly@skymasters.org

Tim Jesky

Monroe, Michigan

My name is Tim Jesky, and I have received the honor of being nominated for the AMA District VII Vice President. I'm here to ask for your vote. I first experienced aero modeling in my teens and have been an active modeler for most of my adult life and fly several times a week during the flying season. Our family is a 3 generation aero modeling family.

I've been married for 33 years to my wife Linda. We have two sons Joseph and Andrew and three grandchildren all of whom are AMA members. Model aviation has always been a family affair in our household. To say we eat, breathe and sleep aircraft would hardly be a stretch.

I have held many elected offices in R/C clubs. I currently serve as President of Weak Signals R/C Club and as the Communications Committee Chairman of the Toledo Weak Signals Expo. I also have the pleasure of working as an official for the pattern NATS and have been selected to serve at the 2011 F3A World Championships.

Over the years I've seen many changes in our hobby/sport but two concerns stand out and have remained a constant. They are the retention, acquisition, and development of flying sites; and, the lack of youth participation in our organization. Those that know me can attest that these are areas that have always been near and dear to me. If elected, I will work with the rest of the Executive Council to keep these issues on the front burner. We are also now faced with the prospect of new regulations governing model aviation as mandated by the FAA. I feel I'm the candidate best prepared to meet the challenges we face in the years ahead based on my involvement with both full scale and model aviation pilots and officials.

In closing, if elected I promise to represent the best interests of the members and clubs of District VII and be a positive addition to the Executive Council of the AMA.

Thank you for your support.
Tim Jesky



SKYMASTERS RADIO CONTROL CLUB OF MICHIGAN

Mark Smith
1955 Hopefield
Lake Orion, MI 48359

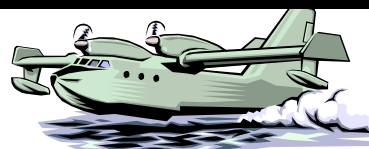
Web site: www.skymasters.org
Email: newsletter@skymasters.org



SEE THE EXPANDED FULL COLOR ISSUE ONLINE

PHOTOGRAPHY
by Fred Engelman

HOME OF THE
"MIDWEST REGIONAL FLOAT FLY"

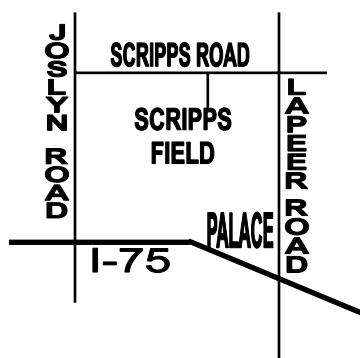


Skymasters Information.....

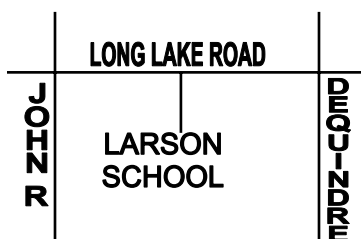
Skymasters field is located within the Bald Mountain State Park on Scripps Road (see map). State Park Permits are required and can be obtained from the Park Headquarters located on Greenshield Road or at club events. Flying is permitted from 10 AM to 8 PM. The noise limit is 94 dBA at 10 feet—this noise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

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

SCRIPPS ROAD FIELD



WINTER MEETINGS



tors around all day. Student 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.

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!