



Academy of Model Aeronautics

Chartered Club #970
10 Year Gold Leader Club

Skypwriter

Flight Line Hobby Now Open!



February 23 was opening day for John Hoover's new hobby shop on Lapeer Rd. in Lake Orion. Welcome to the neighborhood John!



2008 Club Officers & Appointees...

President:	Joe Hass	1142 Brunswick Dr.	Rochester Hills	48309	248-321-7934
Vice Pres:	Paul Zabawa	PO Box 138	Metamora	48455	810-678-3332
Secretary:	Dave Wendt	4549 Sedona	Clarkston	48348	248-969-8738
Treasurer:	Joe Rubinstein	155 Cayuga	Lake Orion	48362	248-693-4265
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 MESSAGE...

BY: Joe Hass

Even though there was only one meeting this month the Skymasters were still very busy.

SWAP SHOP Our annual event was another success with excellent table sales and attendance. I am still working through the numbers as I write this (hate when work interferes with fun). Deals were being made before the tables were set up. Still there were lots of planes and equipment available for the live auction and a lot of people stayed to the very end. Thanks to all the Skymasters who helped with the set up, admission, raffle and tear down. A very special "Thank You" goes to the Dezurs who donated all of the food to the kitchen! All food sale revenue will go directly to the bottom line of the event. Other donors include: Carlton Hobby, Hobby Lobby, Flight Line Hobby, Prop Shop, R/C Hobbies, R/C Report.

A NEW HOBBY SHOP! John Hoover has opened his Flight Line Hobby on west side of Lapeer Road just north of the field. Congratulations and Good Luck to John and Tracy on their new adventure. Their opening day on February 23 had plenty of Skymasters in attendance. Their address is 1192 S. Lapeer Road, Lake Orion, MI 48360. Phone number is 248-814-UFLY. *(John will have a Grand Opening Celebration on March 29th at the store with food, special prices and prize drawings. - Pete)*

THANKS AGAIN Another big "Thank You" goes to Mark Smith for his creation and donation of beautiful frequency control equipment and a buddy box cabinet. The portable equipment has been used at the dome this winter and will be used at the various float flies over the summer. Mark also markets a line of foam floats with both modern and antique designs. Mark can be reached at 248-391-5970 or at cnfoam@peoplepc.com

E FEST in Champaign, IL on February 8 and 9 was spectacular. Newsletter Editor Pete Foss, Chris and I attended joining Ross Jones of RJR Cool Tools who had a booth there. There were over 300 registered pilots. Chris and I built a couple of the new Hobby Lobby EPP Reno Racers that arrived Thursday afternoon (before we left on Friday morning). Chris used his Strega to win first place in the pylon event.

We were able to work out the last details of the visit by Futaba to Skymasters on April 23, 2008 to discuss their 2.4GHz System while we were there. They have even agreed to donate a complete 7 Channel FASST System for a raffle. Tell your friends. Everyone is welcome. PMAC has indicated they will send a large contingent. Let's have our friends from Fraser, RCCD and Romeo stop by too. This will bump the previously scheduled "In The Bones".

We also used our time in Champaign to introduce the folks at Hobbico to the Flite Streak Foamie that Jim Held has developed. We attached a streamer to the plane and Chris flew it like a control line ship. A number of other aircraft were surprised and tried to cut the streamer as it flew past. There were many people who stopped by our table to inquire about Jim's creation.



OUR FIELD LEASE We have received our lease renewal for the Scripps Road field. The board is reviewing it. The biggest change is the annual rate which, while it has gone up substantially, is still very inexpensive for what we have.

ONE MEETING IN MARCH Due to the school schedule there will only be one meeting on March 12. Ken Myers of the Electric Flyers Only (EFO) and Editor of the AMPEER monthly newsletter (available free electronically or for a small charge via the mail) will join us to discuss the A123 cells. These new cells offer some distinct advantages to the current generation of Lithium Polymer cells. Ken has a website with a tremendous amount of information on all things electric too. kmyersefo@hotmail.com will get you in the correct direction.

See you on March 12 or at the dome,

Joe Hass

LTC Tom “Quisto” Nyquist

by David Wendt

Date: Wednesday January 23rd, 2008
Location: Larson Middle School - Gym
Attendance: 50 people in attendance, Val Govan, Tom Day were new to Skymasters at the meeting.

Joe Hass introduced the Skymasters members of the Troy Oakland Pilots club. Joe is the President of the both Organizations. Joe introduced the speaker LTC Tom “Quisto” Nyquist.

F16 pilot, Lt. Col. Tom Nyquist is a native of Detroit who joined the Air National Guard 107th Fighter Squadron at Selfridge Air National Guard Base. Tom was on active duty for six months and has been a reservist ever since. Tom explained that most of the Air National Guard training has switched from aerial combat tactics to close air ground support. However, aerial combat is still covered and mastered by all of the US F-16 Pilots. The Air National Guard is in charge of homeland defense and tasked with the ability to mobilize for the US Air Force.

Tom spoke about what it is like to fly an F-16 mission. A briefing is done prior to the mission. The briefing covers mission objectives and parameters. After briefing each pilot launches and groups up prior to mission execution. Many times the training missions are air to air combat, and other times they are air to ground bombing runs. The training missions are flown in the Alpena, MI area air space. After the missions, there are debriefing meetings. During debriefing a computer is used in conjunction with the data recorder information captured in each plane. The computer mixes all of the data together to get a complete picture of what happened in the sky.

The 107th Fighter Squadron flew in Kuwait in 1996. In 1999 the 107th Flew in Turkey. In 2001 they were in Saudi Arabia, and in 2004 they were flying in Kirkuk fighting in operation Iraqi Freedom. In 2007 the 107th served in Bagdad. The F-16 entered service in 1979, and is now considered a 4th generation fly by wire airplane. The software on the F16 has a modular design to enable software upgrades. Upgrades can drastically alter the flight characteristics of the airframe. The planes weighs 42,000 lbs max gross weight. Max speed is Mach 2.05. The approximate range is 1,000 – 1,500 nautical miles. The max indicated airspeed is 800 KIAS. The United States no longer purchases the F-16. Today the United states purchases 5th generation fighters like the F22 or the Joint Strike Fighter.

Tom reviewed all of the armaments of the F-16 fighter. He also reviewed some of the capabilities of the plane. The airplane is networked with other wingmen in the air. The pilot can read the fuel level and armament options of the other planes in the squadron. Tom reviewed the cockpit and he showed screenshots of the more complex instruments like the targeting radar. The TAD display shows data linked displays from the ground radar. The “LANTIRN Targeting System” is a gyro stabilized targeting system. The pod gives map level detail of the ground and targets + or – 4 feet. Tom brought videos of bombing missions seen through the different modes of the F-16 targeting systems.



Joe performed some housekeeping for the TOPS organization. For Skymasters there will be no meeting on February 13rd. The next scheduled meeting will be the Swap Shop.

Show and Tell:

Al Mrock – Two designer scale Aeroncas. Al designed the planes in AutoCAD. Both planes were gorgeous.

John Hakala – A self designed Extra foamy. The wing is foam bent over a spar and glued at the trailing edge. John was happy with the flight characteristics.

Chris Hass – Buckman Yak 55

Chris Hass – Virloet F2 feather. Weighs 5.3 oz

Joe Hass – Radical RC Mini Stick

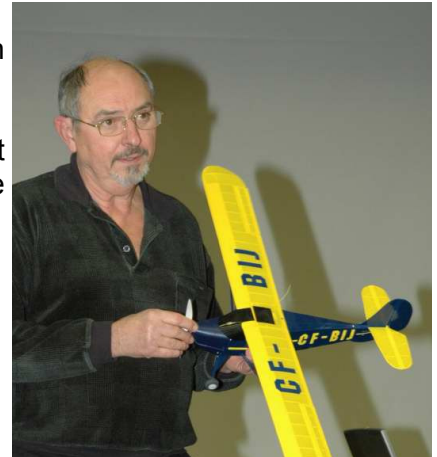
Joe Hass – Great Planes Giant U-Can-Do 3D ARF. 1440 Watts.
Joe said it was an easy conversion. 10s LiPo with an AXI 5330/24.

Wade Wiley – Carl Goldberg Stinson 108. Equipped with an RCV engine to fit perfectly into it's narrow cowling.

Joe Finkelstine – Vally FW190 with a Saito 450 radial engine.

Al Mrock - won a Prop Shop Gift certificate for show and tell.

Alex Dako from TOPS - won the 50/50 raffle.



Swap Meet





Skymasters R/C Club

We'll Teach You To Fly!

Join the Skymasters Radio Control Club for an R/C Symposium

A123 Batteries

Wednesday March 12, 2008 – 7PM



Featuring a
discussion with
Ken Myers
Ampeer Editor
President EFO



Come learn about this Lithium Ion Battery Technology from one of the leading electric flyers.

Discussion and Q&A

power. safety. life.



Free Admission!
All Welcome!!!

Larson Middle School
2222 E. Long Lake (18 Mile)
Troy, MI 48085



For more information call Joe Hass 248-321-7934
Visit our website at www.skymasters.org

Motor Winding Workshop by Joe Hass

Sunday, February 24 found 17 fellow Skymasters plus 3 instructors at our house to learn how to build outrunner motors. Under the guidance of Wolfgang Ludwig with John Ferguson and Capt. Roy Schooler, the kitchen table, the kitchen island and the dining room table were filled with guys making motors. Paula came back from my daughter in law's baby shower to find us all there. She knew something was going on, just not the size of the "party". Jim Held, seated at the kitchen table and always the diplomat looked at Paula and said "Joe said it was OK to sit here". Lot's of motors ran that afternoon. No smoke either.



Komodo Hobby KH-278 V2 Motor Kit from Don Strong RC Motors don@strongrcmotors.com (Komodo Hobby photo)

Less than three hours of work later, a 6 turn 400+ watt speed wind motor for less than \$25.



Skymasters R/C Club

We'll Teach You To Fly!

Join the Skymasters Radio Control Club for an R/C Symposium

FASST 2.4 GHZ

Wednesday April 23, 2008 – 7PM



Featuring a discussion with
Nathan King



R&D Product Designer

A full 2.4GHz Futaba 7C System to a Lucky Guest!



Come learn everything you wanted to know about:

Futaba FASST Technology Presentation, Hands On, and Q&A

**Free Admission!
All Welcome!!!**



**Larson Middle School
2222 E. Long Lake (18 Mile)
Troy, MI 48085**



For more information call Joe Hass 248-321-7934
Visit our website at www.skymasters.org

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.

Shelby Township Indoor Flying - Tuesday, Thursday, Friday thru Winter Soccer City, 2452 23 Mile Road, Shelby Twp - 11:00 AM

Come fly indoors! Located on 23 Mile Road, east of Dequindre. A spacious soccer dome for our use. R/C Flying on Tuesday and Thursday from 11am - 2pm. Rubber Power Flying on Tuesday and Thursday from 9am - 11am and Friday from 12pm - 2pm. Pay ONCE for the season: \$20 for Shelby residents. \$25 for non-Shelby residents.

Retiree and Want'A Be's Breakfast - Monday, March 3, 2008

Rams Horn Restaurant - 2265 Crooks Road, Rochester Hills - 9:00 AM

First and third Monday of each month throughout the winter - Join us for breakfast and R/C talk. (SE corner of Crooks Rd and M-59)

Skymasters Meeting - Wednesday, March 12, 2008

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

A123 Battery Technology - Ken Meyers, editor of Ampeer and electric expert, joins us to discuss A123 batteries. Hard cased Lithium cells that are seeing wider use. Come learn about these batteries, the differences, and why you might want to use them in your next project!

Retiree and Want'A Be's Breakfast - Monday, March 17, 2008

Rams Horn Restaurant - 2265 Crooks Road, Rochester Hills - 9:00 AM

First and third Monday of each month throughout the winter - Join us for breakfast and R/C talk. (SE corner of Crooks Rd and M-59)

NO Meeting - Wednesday, March 26, 2008

School Closed - Spring Break - 7:00 PM

Retiree and Want'A Be's Breakfast - Monday, April 7, 2008

Rams Horn Restaurant - 2265 Crooks Road, Rochester Hills - 9:00 AM

First and third Monday of each month throughout the winter - Join us for breakfast and R/C talk. (SE corner of Crooks Rd and M-59)

Skymasters Meeting - Wednesday, April 9, 2008

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

"Why Big Airplanes Fly Better" - Ken Meyers, editor of Ampeer, joins us again for the evening. Come learn why size matters... bigger is better!

Bald Mountain Involvement Day - Saturday, April 19, 2008

Park Headquarters, Greenshield Road - 9:00 AM

A day we give to the Park each year - to help get the Park ready for spring. Projects for everyone, from painting signs, repairing picnic tables, roofing shelters, wood splitting, etc. Come out and support your club - and the Park we fly in!!

Retiree and Want'A Be's Breakfast - Monday, April 21, 2008

Rams Horn Restaurant - 2265 Crooks Road, Rochester Hills - 9:00 AM

First and third Monday of each month throughout the winter - Join us for breakfast and R/C talk. (SE corner of Crooks Rd and M-59)

Skymasters Meeting - Wednesday, April 23, 2008

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

FASST 2.4 GHz Symposium! Featuring a discussion with Nathan King, R&D Product Designer for Futaba! Come learn everything you wanted to know about: Futaba's FASST Technology - Presentation, Hands On, and Q&A

Skymasters R/C Club 2008 Application For Membership



Information (print clearly)

New Member () Renewal ()

Last Name: _____

First Name: _____

AMA #: _____

Pilot: () Student: ()

Address: _____

Home Phone: _____

City: _____

Work Phone: _____

State: _____ ZIP: _____

Cell Phone: _____

E-mail: _____

Frequencies: _____

Birth Date: _____

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

Significant Other: _____

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 transmitters must be narrow band (Gold Sticker equivalent) excluding 53 mHz.
- 4) All receivers must be AMA approved narrow band (dual conversion or ABC&W) excluding 53 mHz.
- 5) Radio 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 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, 2008)
- 2) *New members: Check for \$100 (\$70 Dues + \$30 Initiation Fee)
- 3) Photocopy of 2008 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 and Pete Foss



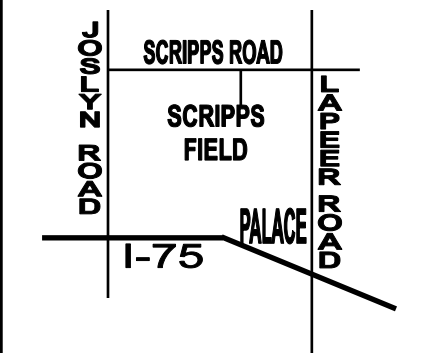
Skymasters Information.....

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 for 2005 is 94 dBa at 10 feet—this noise rule is strictly enforced.

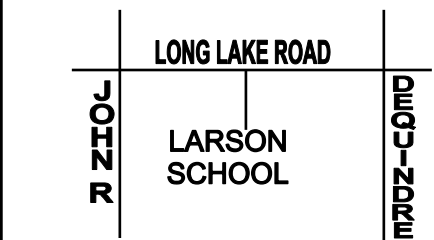
In the summer, Wednesday evenings are Student Nights and there are usually instruc-

tors around all night is also a

SCRIPPS ROAD FIELD



WINTER MEETINGS



tor 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.

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!