



Flight Lines

Lakeland R/C Club Inc

February 2016



Next Meeting

Feb 10, 2016

Visit our Web-site:
www.lakeland-rc.com

All meetings held on the
Second Wednesday of each
month at:

Waukesha State Bank
1227 Corporate Center Dr.
Oconomowoc, Wisconsin

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Wolfs1951@aol.com

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January Meeting Highlights

The January meeting was called to order at 7:30 with 20 members and 2 guests present

Show & Tell

John Slatinski presented a Sig Four Star 60 that formerly belonged to Holger. Holger had crashed it and was going to throw it out, but John brought it back, replacing wing ribs, wing dowels, repairing landing gear, and putting in a bigger tank. John still needs to find a female pilot to make the plane complete to his standards.

Matt Teresinski brought two wings from his Fokker DVII, and described the process for covering a plane with cloth and dope. He covered the wood frame with 3 coats of nitrate dope, everywhere the covering material might contact the wood. This prevents the raw wood from absorbing the paint. The wings were covered with Sig coverall, which is a fabric material. Matt recommends buying your fabric early and rolling it around a tube, as it normally comes folded up into a little square, which causes creases. Rolling is really the only way to get the creases out, as ironing at a low enough temp not to shrink the material does almost nothing to get the wrinkles out. Matt cuts the fabric a few inches larger than the area he plans to cover, then dopes down the top of the leading edge with the fabric wrapped around to the bottom. Matt recommends taking the wrinkles out as you go, so you don't dope the wrinkles in. The dope is sticky initially, and there is some working time before it hardens so you can correct your mistakes. After sealing down the perimeter, he goes over the whole thing with a covering iron to take out the wrinkles, then snugs it down a little with a heat gun. At this point, there is no dope except around

the edges holding down the perimeter. The scalloped trailing edges on Matt's Fokker wing requires more time, as each scallop has to be worked over to avoid puckering and wrinkling. One unique problem with doped covering is that the Nitrate dope continues shrinking after the plane is completed. Before the crash, the joint where the outer upper wing panels join the center panel had opened up by 1/8". Matt feels this is due to inadequate reinforcement on the in-board ribs of the outer wing panels, which he has corrected for in the rebuild. Coating the wing frame takes about 3 hours, applying the covering is another 3 or 4 hours and doping the entire thing is another 3 hours, so a wing panel takes around 8 hours. Now that the doping is complete, Matt plans to use a two part urethane auto primer, as it dries faster than lacquer primer, and doesn't shrink like lacquer primer will.

Jim Zahorik presented a very small 3D "Yakhoi" (combination of Yak and Sukhoi). The airframe weighs 2.8 oz. With a 2S 200mah battery, it weighs a little over 3oz. Jim says can fly fast or very, very slow: he flew it inside the expo hall without problems. The construction is all foam and carbon fiber. Jim bought the kit through a seller in Fond Du Lac named Bob Johnson, who also sells the micro radio gear it requires.

Jim is also selling his old glow field box and starter/battery combo, which has a 4S3300Mah li-po, and will turn a 120 glow engine.

Todd Weiler brought a Sphero BB-8 robot which is operated via Bluetooth from an iPad or iPhone. BB8 retails for about \$150, and works with iPad/iPhone and Android. It uses a gyro and constantly orients itself to the operator when not moving. It can fol-

low a preset path and take voice commands. It can also go 'on patrol' and if it bumps into obstacles, it can work its way around them and map out its path to the iPad. It charges wirelessly on a USB powered base.

Sec/ Treasurer report

Dan Kleckner reports our 2015 year end balanced was \$3,021.52. A detailed report of 2015 expenses and revenue, and the 2016 budget is attached.

A motion was made and passed to set the dues at \$75 again this year. The motion was seconded and passed unanimously.

Committee reports

Fun Fly: The proposed date for the fun fly is July 30th. Rikk asked the membership for a volunteer to run the Fun Fly and Rick May volunteered.

2016 Expo swap/auction.

No numbers are available yet, but it appeared that attendance was very good: All the tables were sold, and more of the parking lot was filled than typical in the past. The raffle apparently went well: Jim Zahorik reported that, rather than buying raffle prizes, the MARCC membership asked for donations, so their up-front cost was \$0. Two of the raffle prizes were cash, drawn from part of the door receipts, which amounted to \$172 each. The cash prize had a dramatic positive effect on raffle ticket sales. Jim also reports only 12 pilots signed up to fly after the sale at 3:30.

Holiday Banquet:

Holger said the Annual Holiday Banquet is set for April 1. The price is finalized, and the meal cost increased by \$0.45, so Holger asked if we should increase the ticket price. Last year the ticket price was \$30. The general consensus was that the club shouldn't make a profit, so the price should stay the same. A form for banquet registration is included in this newsletter.

New Business:

FAA registration: Rikk brought up the new FAA registration requirements. The club officers met earlier in the week to discuss how the club should approach this topic. Last year, the FAA essentially decided that r/c pilots (UAS operators), should be registered with the FAA and have their registration number inside any UAS they operate, so they can be identified in case of an incident. Rikk has been reviewing the internet discussion forums from the RC side of the topic and found a lot of arguing on either side. This registration requirement is now federal law, and pilots must be registered by February 19. There is a website for registration, which is a fairly painless process, and results in the pilot receiving a rather long alphanumeric

registration ID. The number must be in your UAS in a location that can be accessed without tools. Rikk mentioned this is very similar to the AMA requirement that AMA numbers must be placed in all r/c aircraft operated by a member. Currently there is a \$5.00 fee, which is refunded if you register within 20 days of Jan 21st. Registration is good for 3 years. Some individuals are concerned about giving the federal government their credit card numbers, particularly in light of recent hacking scandals. Rikk suggested that one could get a one-use credit card at a drug store to avoid having their credit card numbers leaked. If a pilot is involved in an incident and has not registered, they could be imprisoned for up to 3 years and be fined \$2,800. The AMA has taken a fairly firm stance that members not register until they complete their negotiations with the FAA. On Monday, the AMA issued a letter to their membership indicating that they are currently working with the FAA and automatic FAA registration when you renew *The AMA has since changed their stance, and while they negotiations are ongoing, they recommend members register with the FAA to remain within the law until negotiations are complete.*

The deadline for registration is Feb 19th, if you plan to fly before then. The FAA has issued guidance to local law enforcement regarding how they should look for FAA registration information, particularly if they see suspicious activity. The parameters are: If you fly an aircraft greater than .55 lbs and less than 55 lbs, you need to register. For UAS's over 55lbs, there is a different procedure. Some other local clubs are taking a strong stance against registration. Lakeland RC officers are concerned that if a members' plane lands in someone's yard or some other untoward location, there could be repercussions for the club. The club officers have decided that we will modify the membership application to inform members of the legislation and requirements. The club will not police FAA registration.

Dave Mohr added that the FAA website indicates that having your number in the battery compartment is sufficient.

You can register at: registermyuas.faa.gov.

The tentative wording for our membership form is: The membership form "You must register with the FAA to legally fly aircraft".

Matt Teresinski indicated that most of the restrictions are in line with restrictions already put forth for RC pilots by the AMA.

Rikk added that several clubs in the Washington DC area have been shut down recently. There had been an agreement in place for several years with "safe flying zones", but the FAA has shut those fields down in the last few months. The FAA counts 31 fields in that area which have

been shut down; of these, around 20 were AMA club fields. These may be re-opened at some point. The FAA has stated that they are working with "other agencies" to examine the possibility of re-opening those fields. These shut downs may not be connected to this legislation, and may be more related to Homeland Security, etc.

they had not thought about the burden to officers.

Other News: Precision Aero has reached the minimum order for the bulk fuel buy. Ron has heard some interest from the club in WildCat fuel, but so far, no one has placed an order for this. Be sure to get your order in before the March 12 deadline.



John Slatinsky and his resurrected Four Star 60



Matt Teresinski describes fabric covering with one of his Fokker wing panels



Jim Zahorik discusses the finer points of his "Yakhoi"



Todd Weiler's BB-8 droid goes for Matt's Coke.

A reminder about indoor winter flying :

Jim Zahorik has secured the Cushing Gym in Delafield for Indoor Flying on Wednesday Evenings. It is a 25 night schedule with flying starting at 8PM.

The cost per pilot is \$5.00 for the entire season, which comes out to 20 cents a night. I guess that eliminates that excuse for not coming out. You can pay Jim at the gym or send the money to Jim Zahorik, 1948 West Shore Drive, Delafield, WI 53018.

INDOOR FLYING SCHEDULE AT CUSHING GYM DELA-FIELD

February	3, 17, 24
March	2, 16, 23
April	6, 20, 27

Lakeland RC Club

Financial Report

2015 Income

Club Dues		\$4,571.50
Banquet Income	(Profit of \$141.34)	\$1,740.00
Total Income		\$6,311.50

2015 Expenses

Field Rent		\$1,100.00
Lawn Care Mowing		\$1,100.00
Lawn Care Rolling/Spraying		\$200.00
Porta-Potty		\$749.40
Banquet Cost		\$1,598.66
Mower Cost (Gas)		\$69.21
AMA Club Dues		\$150.00
Misc Expense (Info Sheets)		\$34.42
Field Repairs (Flags & misc)		\$85.22
Meeting Refreshments		\$418.03
Gifts Christmas		\$236.29
Total Expenses		\$5,741.23

Surplus: \$570.27	Bank Balance 1-1-16	\$3,021.52
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2016 Proposed Budget

Income

		<u>Dues</u>
Club Dues (65 Members @ \$75)		\$4,875.00
Total Income		\$4,875.00

Expenses

Field Rent		\$1,200.00
Field Care (Grass Cutting & Rolling)		\$1,200.00
Field Improvement		\$200.00
Gifts		\$300.00
Mower Cost		\$250.00
Misc Expense		\$175.00
Meeting Refreshments		\$500.00
AMA Dues		\$150.00
Porta-Potty		\$750.00
Total Expenses		\$4,725.00

Surplus of: \$150.00

Proposed Bank Balance End of 2016 : **\$ 3171.52**



Application for Membership Lakeland RC

Club

Name: _____ AMA Number: _____

Address: _____

City: _____ St: _____ Zip: _____

Birth Date: _____ E-Mail Address: _____

Phone: (Home): _____ (Cell): _____

Junior Membership Probationary Membership Associate Membership (Flying Privileges)

With the completion of this form you become a Member of the Lakeland R/C Club in the category that you applied for. As a member you are allowed, on a limited basis, to participate in Club activities and use of the Club flying field facilities under close supervision. Prior to engaging in flying activities you must be a member of the Academy of Model Aeronautics (for insurance purposes).

A copy of the Lakeland R/C Club By Laws and Field Rules are attached which explain in detail the privileges and responsibilities of your membership category. Safety and courtesy are the utmost importance when using the flying facilities. Bylaws and Field Rules can be found on the Lakeland RC Site:

http://www.lakeland-rc.com/Pages/Application_and_Bylaws.aspx

Note: Lakeland does not use Channel 20 at field because of radio interference

How did you hear about us?

Friend Lakeland R/C Website Online Group Other: _____

As an applicant for membership in the Lakeland R/C Club, I hereby acknowledge my complete understanding of the above requirements. I also agree to comply with all field rules (and their accepted intent) through-out my association and contact with the Lakeland R/C Club.

Member

Date

Club Officer

Date

checks Payable to: Lakeland RC Club, inc. Note: 2016 Dues: \$75

Mail to: Lakeland RC Club
 C/O Dan Kleckner
 2010 Milwaukee St
 Delafield, WI 53018-2006

You must register with the FAA to fly your aircraft - <https://registermyuas.faa.gov/>

**The Lakeland, Pebble Creek and Rubicon RC Clubs Invites You, Family, and Guests To
A Memorable and Highly Enjoyable Evening**

**“Celebrating Our Joint RC Highlights from 2015”
Participate In a Unique and Fun Filled Evening! Again starring Rikk!**

When: Mark your Calendars for Friday, April 1, 2016

Awesome entertainment, drawings for the ladies, plane and heli contest and more----

**Where: Weissgerber’s Golden Mast Inn, on Okauchee Lake
(W349 N5293 Lacy’s Lane; Okauchee, WI 53069)**

The meal: Steamed or deep fried cod (using low cholesterol oil) and all the trimmings, dessert, coffee and tea; cash bar. Let us know if you don’t like fish, as we offer a chicken alternative, if required!

Cost & Schedule: \$30/person (includes 17% tip and 5.1% sales tax)

5:30 PM – 6:30 PM reception with cash bar

6:30 PM – Start of buffet family style dinner and activities

Limited seating, so please reserve early!

Final cut-off reservation deadline is Saturday, 3/26/16, but please respond earlier if possible

Note: we are no longer accepting payment at the banquet, as this has become problematic

Make checks payable to Lakeland RC Club, and mail with reservation to:

Dan Kleckner: 2010 Milwaukee Street; Delafield, WI 53018 (262-844-9944)

Questions? Call Tom Schweizer at 262-490-3078; or Holger Petersen at 414-239-7890

Please Respond ASAP

**Please cut and return this reservation slip with your payment
Friday, April 1, 2015 Lakeland, Pebble Creek & Rubicon RC Clubs Banquet**

From: _____ Phone #: _____

Number of reservations: _____ Amount of enclosed check: \$ _____

Send to: Dan Kleckner, 2010 Milwaukee Street; Delafield, WI 53018

Precision Aero
 1561 River Highlands Drive
 Oconomowoc, Wisconsin 53066
ron@precision-aero.com
 262-352-6670

2016 Fuel Buy

Byron Fuel

Order Quantity	% Nitro	Part #	Description	% Oil	\$/ Gallon	
Performance Helicopter						
	15%	2120037	Rotor Rage Performance	21%	25.70	No Minimum
	30%	2120042	Rotor Rage Competition	21%	28.90	Case Lots Only
Synthetic/Castor Blend						
	10%	3130131	Aero Gen 2 Standard	16%	20.00	No Minimum
	10%	3130134	Aero Gen 2 Premium 18	18%	20.00	Case Lots Only
	10%	3130132	Aero Gen 2 - 4 Cycle	16%	20.00	Case Lots Only
	15%	3130135	Aero Gen 2 "Standard"	16%	22.00	Case Lots Only
	15%	3130136	Aero Gen 2 - 4 Cycle	16%	22.00	Case Lots Only
	15%	3130138	Aero Gen 2 Premium 18	18%	22.00	Case Lots Only
Straight Synthetic						
	10%	2120011	Premium Sport "Standard"	16%	20.00	No Minimum
	15%	2120015	Premium Sport "Standard"	16%	22.00	Case Lots Only
Wildcat						
	15%	CAT 109	15% Full Synthetic	18%	22.00	Case Lots Only
	20%	CAT 161	20/20 Full Synthetic	20%	23.00	Case Lots Only

Items marked 'No Minimum' are normally stock items and can be purchased anytime depending on stock on hand.

Orders for other items must be received by **March 12th.** (Fuel order will be placed on the

Orders marked 'Case Lots Only' must be ordered in case quantities only (four gallons)

Additional information on fuel specs can be found at: www.byronfuels.com

Orders accepted via email or phone

Prepayment not required as long as it is picked up in a timely manner after it arrives

All prices are plus sales tax

Name: _____

E-Mail: _____

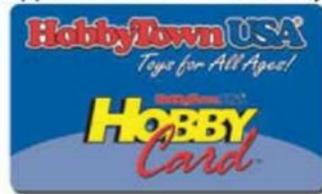
Phone: _____

HobbyTown USA[®]

Lakeland RC Member Discount

10% OFF
With HobbyCard

(Applies to non-sale items only)



DELAFIELD

Hwy 83 & I-94

262-646-5755

Can't find what your looking for?

We can order almost any item in a few days and save you the shipping!

GERMANTOWN

County Line & Appleton Ave.

262-251-7670

