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# CHOPPER NEWS

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*"United We Stand"*

## Northern Illinois Radio Control Helicopter Assoc.

One of

The World's Largest R/C Helicopter Clubs

AMA CHARTER NO.2099

Next Club Meeting, 7:30 pm, Tuesday, Dec 14<sup>th</sup>, 2004

### Editorial

Our 5<sup>th</sup> annual non-event Jan. 1<sup>st</sup> wing ding is coming up sooner than you think. This year's grand non-event will have the dynamic trio, Terry King, LeAnne King, and Rich Erikson organizing the goodies, donuts, and hot coffee this year. Terry and Rich seem to be unstoppable!!! Come on out and fly or just stop by to wish everyone a happy New Year. I believe we had about 25 people show up last year. Let's see who gets in the first flight of the New Year and, who knows, maybe you will get the first mishap of the year award! Don't worry about any snow. All we need is just one snow shovel and someone to man it.

Once again the club membership has been hovering around 60 members. I couldn't resist the play on words! Our club has a January 1<sup>st</sup> non-event, two great fun flies, and a grand holiday season club dinner. What more could you ask for?? Thanks to our great leadership, the club looks in the best shape it has been in years. Great job, guys!

I want to wish everyone a happy Holiday season! Marty

### President's Letter

\*\*\* Oh, the weather outside is frightful \*\*\* Let it snow, let it snow, let it snow \*\*\* Seems winter has decided to come a little early this year, but that is ok....cause it is bonus time...and that means...new heli time. Well, the bonus was not as big as last year...but I still got myself a new toy...the XRB SR lama from Hirobo. It is a fixed pitch indoor heli...simple but fun!! And by indoor I don't mean a gymnasium...I mean your living room!! It comes complete with radio and LiPo battery and charger; all you need to do is add batteries to the Transmitter and fly! You won't be doing Tic-Tocks or Chaos' but it is a blast to fly around your home. Land on a chair...fly under a table...scare the cat! All fun things to do with this heli! It has foam blades so you don't have to worry about breaking anything and handles like a dream. I mean this bird is very stable...very!! It will hover for a long time with hands off the controller. Is it a novelty?....sure...but if you have extra money burning a hole in your wallet, this is a fun distraction. Who knows, you may just see one as a prize for the raffle at this year's Christmas Party!!

The Christmas Party will be very similar to last year's with the exception of the raffle. As you should remember...the number of raffle tickets you receive depended on how much you participated during the year (demo's, articles for the newsletter, fun flies and such) so I hope you all were participating!!! I would like to have a

Simulator going if possible...so if anyone can help out with a laptop or desktop computer with a simulator running let me know (815) 356-8518. The food is always excellent, and the stories you guys tell about your flying exploits are just as good!!! Hope to see you there!

Also...since the turnout is quite high at the party....remember our "summer" now "winter" raffle...we are selling 100 tickets only and you can win one of three prizes: 1<sup>st</sup> is \$300 Gift Cert to Al's, 2<sup>nd</sup> is \$200 Gift Cert to Al's and 3<sup>rd</sup> is \$100 Gift Cert!! The tickets are \$10 and we need to get them moving, so get in the spirit and buy 1 or 2!! I have said it before and I will say it again....Our club dues are only \$20; this is very cheap, quite possibly the cheapest RC dues in Illinois, so let's get this raffle done...if every member bought 2 tickets we would be done!! They make excellent stocking stuffers ;-)

I am sure Marty is going to say something about the New Year's Day first non-event fun fly...but I just wanted to say...come on out...you will earn tickets for next year's raffle and it is a lot of fun!! We will still have the Doughnuts and Hot Drinks and of course fly some helis!!

Keep the stuff that spins out of the dirt...or in this case snow!!

Rich Erikson

## Minutes for November Meeting

The Meeting was held at John's with 13 members present and 1 guest

Mark Clausen called the meeting to order at 7:43pm

Officers present were Mark Clausen, Terry King, Paul Girard, and Charlie Tittlebach

Minutes were read from October meeting, Approved and 2nd

Treasurer report showed \$2,037.47

Membership report stands at 57 members from Paul Girard-

New Business: Christmas Party is coming soon; costs are to be \$10.00 per member and \$10.00 per guest. Paul will be contacting everyone for conformation on party attendance.

2005 fun fly is to be September 10<sup>th</sup> & 11<sup>th</sup>. Sanction number has been received.

There were forms set out for ordering Embroidered Jackets, Shirts, and Hats, no one signed up.

Crash & Smash: Matthew Leifheit picked up his Certificate and I did not get the name of the fella that won with a totaled Raptor 50.

Paul Barsamian brought in an "Evo 50" to electric conversion and explained what is needed to switch it over. He is using the same motor/battery combo the Ion uses and he is looking at 4.5 horsepower in a 50 size frame. He had a set of Carbon Fiber frames that he figured when he installed would end up being about a pound lighter than a "glow powered Evo". He figures it weighs about the same as a "glow powered Evo" now.

Raffle was done

Pizza was had and the meeting was adjourned, Terry King, Secretary

## Raptor 50 4mm Headbolt Conversion by Steve Jensen

I, too, have now done the Clausen maneuver, where you put the engine to idle after the 3mm head bolt breaks and the blades fall to earth separately from the heavier thudding assembly. Because I was in a stall turn, my blades actually had the nerve to come back and boom strike the heli, breaking blades and boom before bouncing away. The thud part of the maneuver broke the mainframe, skids, TJ governor, GY601 gyro and 9251 tail servo, and Snoopy's face.

I call this a 50 mod because only with a 50 have Mark and I had this problem. We're not mild flyers. We've had it happen with both plastic and metal heads, so I see no pattern except to add that my 3mm bolt was solid (no threads in the stressed area) and were less than 3 months old. The 3mm bolt simply appears to work-harden, break and then fall out when the load is temporarily relieved.

The 4mm mod is accomplished by drilling the main shaft top and bottom ends and everything associated out to 4mm (well, actually a 5/32" drill is an even more precise fit than a 4mm bit would be; 5/32" is 3.97mm, even better than 4.0, and is much more readily available). I used a 5/32" Cobalt bit (available at finer hardware (Menard's) and farm supply stores everywhere) in a drill press with plenty of coolant to get through the tempered autorotation bearing's inner race. The cobalt bit's cutting edge is ruined immediately, but it will grind its way through the tempered steel quite stubbornly. Press hard, then add coolant (3-in-1 oil is what I had on hand) each time the smoke begins to rise. I've done two mod's so far; it takes one bit per mod, at about \$3.00 per bit. You'll need to deburr the holes in the auto bearing with an abrasive tip in a Dremel tool. Use a regular 5/32 bit for the other drilling and deburr those holes, too.

I used standard Raptor blade grip bolts and locknuts on both the top and bottom of the main shaft. That puts a solid shoulder in the stressed area. I also put spacers made from modified nuts at both ends of the bolts. To make the 4 spacers, drill out standard 3mm locknuts with a 5/32 bit and file the original nylon locknut area down until the spacer is now 2.75mm thick. Put one each under the 4mm bolt heads and nuts. That should take up the gap created by the bolt's shoulder so you can tighten the nut. You'll need to do minor surgery and cut/grind a little plastic away from the driven tail drive gear, for bolt/head/nut clearance.

I've flown the mod; I thought it sounded more confident. Maybe it was just me.

Steve Jensen

Phone: (630) 924-3558

## Huge Mega R/C Swap Shop!!!

Mark This on Your Calendar, Saturday, February 12<sup>th</sup>, 2005

This is the R/C swap shop you have been waiting for all year!!! It is located at the Pottawatomie Park Community Center in St. Charles. Tons of R/C stuff for you to look at and buy! Doors open for all of us shoppers at 9am and ends at 2pm. If you want to rent a table it is \$12.50 prepaid or 15 bucks at the door and table setup starts at 8am. For more info call Julian Pugh at 630-513-1951. Directions: Take RT. 64 to 2<sup>nd</sup> Ave. in St. Charles, (2 blocks East of Fox River), turn North on 2<sup>nd</sup> Ave and go 7 blocks and turn West (left) on to a street called North Ave., Community Center will be on your right side of the road.

## For Sale

Marty,

Cindy, over at Al's Hobby Shop in Elmhurst, IL, gave me your name. I went way over my head purchasing all this stuff and now I want to sell it to someone worthy. I'd appreciate your putting my ad in the Newsletter and telling me how to access it.

Thank you for your help.

Dennis Smith

Glen Ellyn, IL

H:630.790.8451

W:708.449.6950 X129

[dennis.smith@carrier.utc.com](mailto:dennis.smith@carrier.utc.com)

## FOR SALE

ALL NEW, IN THE ORIGINAL BOXES. PURCHASED FROM Al's Hobby Shop on 12/01., RAPTOR, TTR4832, 30 CLASS HELICOPTER

(Frame and Rotor Head Assembled), ENGINE, O.S. MAX 32 SX-H, RADIO, JR XP8103DT, R549 RCVR, 517 SERVOS (5), 1100mah, Channel 27, (72.330 MHz), GYRO, FUTABA AVCS RATE GY401, SERVO, JR NES-4735 REAL FLIGHT SIMULATOR, Complete faux Transmitter, CD and Instructions., ULTRA-TOTE, BATTERY, TORQMASTER LC Pb CAL, 12V, 7ah, BATTERY CHARGER, 12V, POWER PANEL, DELUXE, HOBBICO, FUEL PUMP, ELECTRIC, HANGAR 9, STARTER, TORQMASTER 90, 12V, BEARING UPGRADE, RAPTOR, THUNDER TIGER, BLADE BALANCER, K&S, GLOW ADAPTER, REMOTE, STARTER EXTENSION, FUEL CAN FITTINGS, TAIL SERVO MOUNT, K&S, FUEL FILTER, HELI-MAX PITCH GAUGE, BLADE SUPPORT CARRIER  
SILICONE FUEL LINE  
SOCKET WRENCH, 4-WAY

PURCHASE PRICE \$ 1,800.

ASKING PRICE \$ 900.

### Northern Illinois R C Helicopter Association Christmas Party 2004

Christmas Party, Tuesday, December 14, 2004

Where: John's Restaurant & Pizzeria, 100 E. Lake Street, Addison, IL 60101

Time: 7:30 p.m., dinner at 8:00 p.m.

Cost: Members \$10.00, Guests \$10.00

There will be a cash bar available.

Each member attending dinner will receive a free raffle ticket, plus all other raffle tickets earned throughout the year. There will be no additional tickets offered for sale.

**We will have prizes, food and fun!!!!!!!**

There will be a White Elephant Swap. Look around your stuff and select something for \$5.00 or less. Wrap it up and bring it to the party. Only those who bring a White Elephant item will be able to enter the swap.

Please respond by Friday, December 3, 2004 who will be attending, members and their guest(s). John's Restaurant needs a head count so they can prepare for our party.

Please respond either by e-mail or telephone. I would appreciate a response, even if you are unable to attend. The following information is needed:

1. I will need to know if you are attending the party.

2. If you are going, will you be bringing a guest(s)? How many?
3. I will not be going to the party.

If responding by e-mail, please enter Heli party in the subject area of your e-mail.  
 My e-mail address is: [girardp@sbcglobal.net](mailto:girardp@sbcglobal.net)

Telephone: (773) 774-2365. If I am not available, please leave a message on my answering machine.

Hope to hear from you soon. See you at the Christmas party.

Happy Holidays,

Paul Girard  
 Membership Chairman

### Up and Coming Events by Terry King, 2005

June 25 <sup>th</sup> & 26 <sup>th</sup>	Al Fuchsen Memorial Fun Fly	TBA (maybe St. Charles new field?)	St. Charles, IL
July 9 <sup>th</sup> & 10 <sup>th</sup>	Fun Fly Quad Cities RC Whirlybirds 10am to??,	SEVEN CITIES SOD FARM,	Davenport, IA,
Aug 11 <sup>th</sup> , 12 <sup>th</sup> , 13 <sup>th</sup> , 14 <sup>th</sup>	Fun Fly, IRCHA, 8am to 5pm, Biggest heli fun fly in the US	AMA Headquarters,	Muncie, IN
Sept 10 <sup>th</sup> & 11 <sup>th</sup>	NIRCHA Fall Fun Fly, 9am to 5pm,	Howards 2873 Townhall Rd,	Belvidere, IL.

#### NORTHERN ILLINOIS RC HELICOPTER ASSOC. AMA CHARTER NO. 2099

We are actively looking for new members to join our Radio Control Helicopter Club. All that is required is an interest in R/C helicopters, field permit, and a \$20 membership fee. Please feel free to join us at one of our meetings to become a member or just for a visit. We hope to see you at the next meeting. Our Club web page is: [www.nircha.com](http://www.nircha.com) and is maintained by Web Guys, Rich Erikson and Kevin Cashman.

*Meetings are held the 2<sup>nd</sup> Tuesday of every month, at 7:30pm, at John's Pizzeria, 100 E. Lake St., Addison, IL (1/2 block East of the intersection of Addison Rd and Lake St.). During the summer, the monthly meetings are held at the flying field, June, July, and August.*

Our Helicopter Forest Preserve Flying field is located on Grace St., in Addison (on the border with Lombard), and about one mile north of North Ave. Field permits can be obtained by calling 630-933-7200.

#### Club Officers

President	Rich Erikson	815-356-8518
Vice President	Mark Clausen	815-325-1565
Secretary	Terry King	815-547-7016
Treasurer	Charles Tittelbach	708-352-4915

#### Newsletter

Editor/publisher	<a href="mailto:Choppernews@sbcglobal.net">Choppernews@sbcglobal.net</a>	
#1 Proofreader	Marty Davis	630-377-1865
	Linda Davis	Fax 630-377-1865

#### Web Site

The Web Guys	Rich Erikson and Kevin Cashman	<a href="http://www.nircha.com">www.nircha.com</a>
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#### Membership

Chairman	Paul Girard	773-774-2365
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## NIRCHA Exclusive Outerwear Purchase Order Form

These costs are what we paid last time we ordered, I will verify prices and put them in the newsletter. Please, fill out this form and take to next meeting with payment.

Jackets up to size	XL	\$80.00	Name on front is \$5.00 extra
	XXL, XXXL	\$90.00	
Hats		\$10.00	
Shirts up to size XL		\$18.50	
	XXL	\$20.50	
	XXXL	\$21.50	

Name: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

	Qty Wanted	Item	Color	Size	Cost
_____		Jacket(s)	Khaki/Black	_____	_____
_____			Black/Khaki	_____	_____
_____		Hat(s)	no choice	1 fits all	_____
_____		Shirt(s)	Yellow	_____	_____
_____			Stone	_____	_____
_____			Black	_____	_____
_____			Royal 51	_____	_____
_____			Desert Orange 78	_____	_____
_____			Forest 38	_____	_____
_____			Red 40	_____	_____
_____			Cactus Green	_____	_____
_____			Blue Haze	_____	_____

**Total \$**

Paid by: \_\_\_\_\_ Check Number \_\_\_\_\_  
 Cash \_\_\_\_\_