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CHOPPER NEWS

All of your helicopter needs and expert help are as close as your local hobby shop!!!

“United We Stand”

“Let’s Roll”

Northern Illinois Radio Control Helicopter Assoc.

One of

The World’s Largest R/C Helicopter Clubs

AMA CHARTER NO.2099

May, 2002

Next Club Meeting, 7:30 pm Tuesday, May 14th

At John’s Pizzeria, 100 E. Lake St., Addison, IL

Editorial

Our last two meetings were great with, I believe, over 50% of our membership showing up at each gathering. As you know, most clubs are lucky to have 20% of their membership show up at a meeting. All of these meetings are very informative and should not be missed. Let’s try for a 100% turnout at our May meeting. Don’t forget that this up-coming meeting will include our 500 dollar drawing. Who will win the big bucks, the whole enchilada??? Read Club Raffle. See you there!!

I know there are some of our members out there who wonder why you can do almost anything on your simulator at home but do not have the same skill level when you get out to the field. The answer is simple; you have to make the simulator more like the real thing. To make it more realistic, all you have to do is the following: when you have a mishap on the simulator, reach into your pocket and pull out 200 dollars for a 30 size and 400 dollars for a 60 machine and then set it on fire before you hit the reset button. You must do this each and every time you have a mishap on the simulator. Please, **NO CHEATING!!** Now you will fly at home just like you do at the field. I gar-own-tee!!! Please read Public Service Announcement in this newsletter before you try this at home. Marty

President's Message

I hate to report that I AM NOT on vacation this month. I heard the comments about it would be easier to say when I am not on vacation, so here goes. I am not on vacation. Man, I don't like the sound of that.

Spring is here, well kinda. We had some record warm days low 90's by me, then came a week of cold & rain. I should have stayed in New Orleans.

This is normally the month that we meet in the restaurant due to the room we use being booked. I talked to the manager at John's Pizzeria, and she said the people that normally book the room for May have not done so. So it doesn't look like we will be bumped to the upper deck of the restaurant.

I have been busy typing letters and making phone calls trying to make sure the fun fly is proceeding. We have applied for and received the AMA sanction certificate and the yearly insurance coverage for the Fullerton Flying field. I have talked to DuPage County Forest Preserve several times and have completed all of the special use forms. They will be submitted the day after our May meeting. I have been getting plenty of exercise from all the jumping through hoops. We are well on our way to having an organized fun fly again this year. Now if I could find the time to get some flying in and work on the Vigor, I would have it made!

Soft Landings! Terry

VP MESSAGE

Been a quiet heli month for me this time. Busy with lousy weather, too. About all I can say is that my old enemy, vibration, has resurfaced Big Time. I believe it's every heli's enemy at one time or another (read- I sure hope I'm not alone). The vibration started again when I put the constant tail drive mod on my Raptor. So naturally, the first thing I tried was removing the mod to make it go away. You guessed it, that didn't help. So now I'm going to try something with the gears or alignment, as those are the things that were disturbed during the mod.

The other day, I came across some nutty guy flying in his front yard. He claimed he was just tracking his blades, but I know better. He was just having fun. People like this should really be questioned!!

Some Tips May Not be True!

Okay, I would like to say the best laid plans of men and mice are not always correct 100 percent of the time. Case in point. I have been telling everyone that if you use plastic tie straps to fasten the front of your landing gear on a Raptor you will not break the frames if (when) you crash. The principle behind it is the straps will break and your landing gear will separate before it breaks the front frames. I am here to tell you that it is not 100 percent true. How do I know that you ask? Well, I plan to tell you. I piled my main

Raptor up. I'm blaming it on a glitch, but I could not find anything wrong, and my glitch counter did not show a glitch had occurred. This would leave a reasonable person to conclude that maybe a glitch did not cause the crash. Maybe it was the thumb-brain connection that suffered the glitch. Anyway, back to the purpose of this article. I cracked my left frame ever so slightly. This crack was in the leg going down to the front landing gear. I destroyed the landing gear, but that was okay because they were the ones I tried to dye black using rite dye. They turned brown and looked pretty bad. I might have been able to save the frame, but upon closer inspection I broke out the left rear mounting area for the rear landing gear along with the cracked front leg. This is a good time to remove and check and grease all of the main bearings, start shaft bearings, head bearings and so forth. I checked the clutch out and decided it was time for a new liner on the bell. By the way, you can buy brake/clutch-lining material from McMaster Carr. It is several times thicker than it needs to be, but you can turn it down on a lathe to the exact dimension that you want. I still wound up changing a left side frame even though I took all of the advice that was offered. Someone said if you put on the lower frame support you will not break side frames in a crash. Maybe I will try that one before I go spreading around an old wive's tale about how to make sure your side frames do not break when you crash, yeah Right!!

Terry

Club Raffle

The club raffle was sold out at the last meeting, so the drawing for the \$500.00 gift certificate redeemable at Al's Hobby Shop will be at the next meeting. Good luck to all, and I hope the winner enjoys his shopping spree.

Ronald Kwilinski

It's Raffle time!

We have found the end to our raffle tickets. It is time to pick a winner of the \$500.00 gift certificate for Al's Hobby Shop. You need not be present to win, but it would be so sweet to be able to walk right up and take the \$500.00 right out of my hand into your pocket. That way there would be no waiting, go to Al's on Wednesday and spend the money for whatever YOU want. The possibilities are endless. Be sure to make it to the meeting, I will bring the camera so we can record the event.

We will not set up another raffle until our fun fly gets closer.

What you say, you want to buy more raffle tickets? I have advance sale tickets for Al's Fun Fly Raffle.

The 1st prize is a Vigor CS (I could use that as a backup) 2nd prize is a Futaba 9CHP (Brand New Design) 3rd prize is a Scedu 30 size heli kit. (See above statements) 4th prize a set of V-Blades (your choice of size) These tickets are \$1.00 each or 6 tickets for \$5.00. See me to buy tickets, they go to a good cause, and you could be the next winner.

Terry

Club By-Laws

I have not had much input from club members on the by-laws that were published in the April newsletter. I only had one person take the time to email me some of his concerns about the way the by-laws were worded. Doesn't anyone else think that limiting the treasurer to 2 years is restrictive? Or how come there was no mention of a "family Membership" for the club? Would you like to see a reduction in prices for say a Dad, Mom and one teenager that all fly? Under present rules it would cost them \$60.00 per year to join the club. What about the Board of Directors Structure? I was hoping to get some input from club members and draft a new set of by-laws so that we could discuss and hammer them out at this meeting. These are the rules that govern our club, and we have a say in the way they should be written. Let any of the club officers know what you are thinking, or just write it down and send it to me. This is your club; it can be made the way that you think it should be, all by the use of by-laws. Take an interest, read them, jot your thoughts down, good or bad, about the present bylaws and bring them to the meetings.

Terry

Marty Special

My Marty special is a work in progress and has taught me a lot when installing the latest upgrade parts. One of the biggest things I have learned is that a lot of these upgrade parts do not match the original in size and setup. To be fair some of these problems may be exacerbated if your raptor's head has been flip flopped. One of the worst to watch out for would be the upgrade, Flybar Control Rod (metal hoop) for the Raptor 30. Because it is made up of pieces it does not have enough clearance for 3D setup and will bind your servo and should not be used. On the other hand, the upgrade Quick UK, swash plate is nice, very solid, with little play, but it is a few mm's thicker and slightly marginal in pitch range and has to be watched that it does not bind in pitch and cyclic extremes. Also, don't get lazy like me; you must use the tapered collar that comes with the swash plate to help increase the pitch range. One of the biggest disappointments was the metal seesaw arm, which state in the instructions not to tighten too tight and to rely on loc-tight to hold (no thank you). In this case the original is better and comes with a metal sleeve to allow you to tighten down the part without crushing the bearings. Some of these upgrades are great but some are not. Don't just assume all of these fancy iodized parts are better. Double-check everything before you go flying with any upgrade part.

Field Talk Email-Neil to Editor

Repair after his Saturday Mishap

Picked up some grommets at a real hardware store Sunday afternoon on the way to the field. Didn't fly though, bit too windy by that time.

Problem I found was bad battery connection that hooks up to the switch. Replaced switch anyways. But I kinda think it might be connected to fuel saturation on the connection? All I did was checked like we did at the field, and before switching receivers, I wiped one side of connection and blew in the other side and wala it came back to life. With the type of flying we're getting into now, it would seem imperative that **you** find the best way to wash down the heli to keep connections dry and not harm electronics. Simply wiping off isn't going to be sufficient. Backward flight just sucks the fuel into the nose of the canopy and all the valuable components.

Engine didn't look too bad, disassembled and cleaned, replaced bearings look good for the go. Probably going flying before work today. Have to pick up those 5 flights you got in Sunday and then some. Better get some more sim time in this week, fly low, slow, close and with gentle fingers. Happy flying, Neil

Editor: I have ten gentle thumbs. I knew Neil would not let me have a chance to catch up!!!

Anyone have idea on electronics spray cleaner for our plug connections?? I know that stuff is out there. Just don't want anything that might attack plastic and do more harm than good.

Better Ways and Shortcuts

1. For a hints and tips section...if there even is one. I was emailing back and forth with a guy in CA, he found me though the Nircha web site and then to mine...any way through a bunch of chit chat he had a great idea. We were talking about how on Raptors and other helis, that it is hard to keep the tail boom from creeping in and making the belt loose. He heard from someone somewhere in the world to use a piece of that sand paper that you stick to a "t" bar to sand on - Dare I say it - Wings. Anyway cut a piece of sandpaper to wrap around the tail boom inside the frames. I have not done it yet myself but I plan on it... the sandpaper gives the side frames something to bite on. Just thought this was too good to keep to myself. Keep the stuff that spins out of the dirt. Rich Erikson

2. I highly recommend the larger fuel tank for the Raptor 30 or 50. The longer length of the fuel tank allows you to use a better grade of fuel line with a much longer life expectancy. Just remember if you are flying a Raptor 30 the other people at the field want to fly, too. Your flight times with the larger tank will go on forever. Marty

Product Review by Marty

I just installed a new collective pitch control arm on my Marty Special (formally a Raptor 30). This product is sold through Rick's R/C Helicopters (#JCRCAs) for 30 bucks. This price includes the pitch control arm, all bearings, and parts needed for installation. It is a little shorter than the original part which is good because it allows space inside the cabin area for my 401 gyro. The only change that I made was to use a piece of running thread with nylon locking nuts for a pivot point instead of the original self tapping screws. It is solid unit with very little distortion, very smooth, and a good way to help eliminate the plus or minus in your collective pitch linkage. The helicopter pitch geometry will need to be tuned a little because the arm is slightly shorter than the original. In my opinion a great buy. I give it my highest rating, 5 Glow Plugs!

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Editor: Greg Reed, where are you???

Herman A fictional Story—Sent in by Jeff Torsrud

Part One of Three

This is a reprint of an article from the Northern Helicopter Modelers Club of New Zealand. Reprinted with the permission of Neil Harker, president. Story written by Andrew Roberts.

1. The New Guy.

Don hovered his helicopter in front of himself. The weather had been great all day and he started to lose himself thinking about the rotor speed and wondering whether or not it should be just a little slower.

Just then he felt a hand on his shoulder. The shock caused Don to lose concentration and the helicopter swayed back and forth dangerously. Don managed to get the model back to earth. He spun around to see the owner of the hand. "What th'....." Don looked up, and up, and up. This guy must have been at least seven feet tall. When he got back to the face, he saw a big smile. "Hello", said the smile. The voice had a strong Scandinavian accent. "My name is Herman. I am visiting your country from my home in Latwania."

More smiles.

Don didn't know what to say. He realized the helicopter was still running and shut down the throttle. He reached down and picked up the model. "You gave me a real start, just then!"

Herman was still smiling as Don carried the model back to his car.

Herman followed him. "I am very interested in, how you say, baby helicopters. I would like very much to have turn please." Herman said cheerfully.

Don turned to Herman. It was his turn to smile. "Ahh, ha. I'm Don. Look I'm sorry but I'm afraid that it is very difficult to fly one of these model helicopters. It can take months to get the hang of it. But, if you're interested I could help you buy one and teach you to fly."

Oh, OK then," said Herman. He looked a little sadder. "I watch you for today then please?" he asked.

"Sure," answered Don.

For the rest of the morning Don flew around while Herman stood right behind, towering over him. Don had to step forward a couple of times when Herman got too close.

When Don was leaving he told Herman about some of the model shops around, but warned him that he should just have a look around and get a feel for prices, as some models could be very expensive.

Next weekend, Don arrived at the field a little late. A brilliant white Ferrari was in the parking lot and there was Herman kneeling in front of the car. In front of Herman was a brand new R/C helicopter.

Don pulled up in the lot and stood staring at the Ferrari. Herman stood up to greet him.

"Hello my friend Don. You see I have bought a baby helicopter." Herman grinned as he spoke.

"Is this yours?" said Don. He was referring to the car.

Herman wondered why Don wasn't interested in his new model.

"Oh that's just a rental while I am having a holiday in your beautiful country," said Herman in broken English.

"Wow, it must be costing you heaps," said Don.

"No, you see in my home in Latvia we have very good exchange rate with your country. One Dreema is two hundred and fifty six dollars and twenty five cents in New Zealand," Herman said matter of factly. "I am very happy, everything is so cheap for you, but I am sorry you have to carry so much paper in your pocket."

Herman showed Don a wad of hundred dollar bills that had previously caused a large bulge in his pocket.

Don did a quick estimate that Herman's hand contained about five thousand dollars. He swallowed hard. Don turned his attention to the brand new model in front of Herman.

"Nice one. Where did you get it?" Don asked.

“Well, I am pleased you ask me. It was strange. You see I saw man in shop and I ask him for baby helicopter,” Herman replied. “The man, he smile and say I should buy thirty helicopters, but if I have lots of money I should buy sixty helicopters. I tell him that I just want one helicopter and he says, yes. I am a little confused, so I tell him I have lots of money so I will have sixty helicopters. He gives me a box. The he says I must buy blades. I tell him I don’t need blades because I use a shaver but he says I have to have blades and he says I need fiber, glass or wood. I ask him if fiber is any good and he just gets grumpy and puts another box on top. He then says I must have radio. I tell him I already have radio and he says is it Futaba or JR, or is it another type. I tell him it is Sony and show him my pocket radio and he starts to get angry. He says something I not understand about foreigners. He shows me the plastic box with the sticks for driving the baby helicopter just like yours and I tell him I need one of those. He says this box is a radio but when I try to tell him I think he is wrong he just closes it up and puts it on top the others. He then says I must have motor. I start to ask him what types, but he just puts another box on top the pile. He does not smile anymore. He says I need glow fuel and puts a bottle on top the pile. I tell him that I don’t want to tell him he is tearing me off, but the fuel he is selling me is not glowing, it is very dull in fact. He gets very grumpy and says some more words I don’t understand so I just let him put more boxes on the pile. He then tells me the price and I give him the paper dollars from your wonderful country. He is now very happy and asks me if he can help me with anything else. I tell him that it will be OK as I have my friend Don to help me and I then leave”. Herman finished with his glowing smile.

“Well it looks like you have all the best gear. It must have cost a lot,” said Don.

“Tell you what, I’ll just have a fly of my chopper and then we’ll check out your model before we start it up.”

“Oh, I have already started it up and flown it,” Herman replied.

Don thought to himself. Yeah, sure! I get sick of these guys who reckon they can fly all over the place when no-ones watching.

“That’s interesting,” said Don. “You actually got it off the ground for a few seconds eh? Well done. Well, I’ll just get my gear out.”

While Don was unpacking and getting his gear ready, Herman decided to get his model going again. Herman started up the helicopter while Don was going a radio range check. As Herman’s helicopter roared to into life, Don ran back to stop him. By the time he had got to him, Herman had lifted the model off the ground and was doing some slow pirouettes in front of himself.

Don was stopped in his tracks. His mouth fell wide open!

“How did you learn to do that?” he managed to ask.

Herman turned around to speak to Don but Don pointed back at the helicopter. “Watch the helicopter!” Don yelled.

Herman felt a little hurt at Don’s yelling. He replied, “But Don, you teach me how to fly last weekend. Don’t you remember?”

“But I just showed you the controls. That’s bloody amazing. You know by rights you should have crashed by now,” said Don shaking his head.

“Oh, sorry,” said Herman. He then moved the right cyclic stick over causing the model to drop and crash into the ground in front of them.

Don was horrified. “What the hell? Herman Why Why did you do that?”

Don found it difficult to get the words out.

“But you just tell me to do this,” replied Herman. “You said I should have crashed by now.”

“Oh dear, you do have trouble with the language don’t you. Look let’s sit down and take a look at the damage.” Don tried to comfort Herman. They walked back to the cars.

“Oh it’s alright,” said Herman with another one of his smiles. “You see when I got home I realized that man in the shop had only given me one helicopter, so I went back later and bought the other fifty nine. I see now why he say I need sixty helicopters.”

With that he pulled another brand new identical helicopter from the back seat of the Ferrari and smiled.

-----To be continued next month-----

The True Masters of Hovering

The Ruby Throated Hummingbirds will be in our neck of the woods soon. It is imperative that you get your hummingbird feeders out before they fly through our area or they will pass you by. Three parts water and one part sugar is just what they are looking for. To keep them happy change their sugar drink every three days especially in hot weather. Mold is not that tasty. Marty

Question Looking for an Answer by R. U. Befuddled

Sometimes when I have a mishap at the field one of my servo cases will get slightly mutilated. When replacing the case I have problems with servo centering and throw. What am I doing wrong???

Help!!! Befuddled

Event Calendar

May 5th, Giant Scale Warm Up, Pratt’s Wayne Woods, located by town of Wayne 9:00am. A lot of well made giant scale planes to look at and watch fly. It gets better every year. Bring your camera. Sponsored by West Suburban Barnstormers club.

Bulletin: Take note, at its new location, the big event, the must see or fly in of the year will be here before we know it with all the big name flight demo pilots. The Al Fuchsen Memorial Helicopter Fun Fly will be held at its new location, the model airplane field just off of Campton Hills Rd. at the Fox Valley Aero Club site in St. Charles with overnight RV parking and lots of great prizes. I believe they had 100 entries last year at its old location at Fermi Lab, and they are expecting an even larger number in St. Charles. Some of the events this year are Drag Racing, Auto Contest, and Night Fly. Flight Demo's will be by Team JR - Dave Storey, Futaba - Scott Cathy, Kyosho - Dwight Shilling, Miniature Aircraft - Ross Van Dorpe, Al's Hobby Shop, Thunder Tiger, Hirobo Representative – Jeff Rankin.

Hot food right off the grill is available at the field. When it was at Fermi Lab I gave it 3 Beer Steins* for taste and presentation, a relaxed back yard fare, with hot dogs done to a turn and a wide choice of condiments. Don't forget their 4 Beer Stein*, succulent roast pig dinner which is included with the 25 dollar entry fee. The fun fly will be on the weekend of June 22nd and 23rd. Registration is from Saturday 8:30 to 5:00 and Sunday 8:30 to 12:00. You will not want to miss this fun time and all are welcome. Let's try for 100% club participation. This news story is still developing with more detailed information to follow next month or call Cindy at (630)-832-4908 or email rc@alshobbyshop.com .

*1 Beer Stein = palatable, 2 Beer Steins = interesting, 3 Beer Steins = mouth-watering, 4 Beer Steins = lip smacking

Public Service Announcement

As a rule of thumb your home smoke detectors are good for only 10 years. When replacing home smoke detectors make sure you buy one with both ionization and photoelectric smoke and fire detectors that cover both fast and smoldering fires. In past years most detectors did not cover both types of fires. These ionization and photoelectric smoke and fire detectors cost at least twice as much as the single type but will cover all fires. Don't try and be thrifty when buying a life saving device and its batteries. Always put the date when purchased on inside of the detector so it can be replaced when out dated and also date the battery. Last year 84% of all the people who died in fires had a non-working smoke detector. Don't procrastinate; working smoke detectors save lives!!! Do it today!!! -----*I have just saved your life. You now owe me!! Please take the time to add something to next month's newsletter!!! Editor*

For Sale, Lots of Good Stuff

FOR SALEUSED:RealFlight Deluxe with Transmitter Interface and Generation 2 Upgrade. Asking \$95.00

NEW:RealFlight Generation 2 with Mode 2 Transmitter. Asking \$175.00 If interested call Ed (I have an answering machine) 773-239-2470 or emkoman@juno.com Thank you, Ed

For Sale: OS Max .32 SX less than 3 gallons, excellent cond. asking \$80.00 plus Shipping - JR Flight Pack - (5) 507 servos upgraded to 517, R600 6 channel receiver less crystal, JR 1100 mAh battery, on/off switch harness, excellent condition asking \$ 150.00 plus shipping

- Hobbico Volt Watch - very little use - asking \$8.00 plus shipping. If interested please email Rod at DaRaceNGuy@aol.com or call (312) 853-5740. Thanks, Rod Laureano

For Sale: Lite Machine, it has a Sport Piezo Gyro, Hitech radio. New parts include: motor, clutch, tail boom, main blades, main shaft gear, and canopy, pretty much all of it is new. Have extra engine and other parts too. Asking \$500.00 please page or e-mail Jorge, Pg. (708) 378-1351 e-mail jrealty@juno.com

For Sale: Bergen Intrepid Gas Helicopter, hovered one time. All new equipment, including all Futaba 9203 servos, Futaba Piezo Gyro FP-501 with High response S9203 servos. Asking \$1150.00 OBO.

X-cell Graphite Gas Helicopter hovered only, 5-6 times, all new equipment, custom painted canopy and tail fin, also comes with the stock canopy and fin, Bergen cooling fan and shroud, JR.NEJ 120S gyro, Futaba 9201 servos except throttle. Asking \$1150.00 OBO. Will separate.

Futaba 8UHP 1024 Heli Radio, Channel 16, with 2 129 DP receivers. Pristine condition, no scratches or dents. \$550.00.

Can send photos, if anyone is interested in purchasing any of this equipment that they should either e-mail, Aeronut04@aol.com or call during the day 630 261 9281. Thanks Jim Nicosia

Editor: From what I understand, I firmly believe the above Bergen and X-cell gas helicopters were hovered only a few times by a little old school teacher with no mishaps!!!

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 and is maintained by Web Guys, Rich Erikson and Kevin Cashman.

Meetings are held the 2nd 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 Forest Preserve Flying field is located on Grace St., Addison, and one mile north of North Ave. Field permits can be obtained by calling 630-933-7200.

Club Officers

President	Terry King	815-547-7016
Vice President	Mark Clausen	815-325-1565
Secretary	Neil Nesheim	630-351-4002
Treasurer	Robb Rinn 906-1731	630-

Newsletter

Editor/publisher	Marty Davis	630-377-1865
#1 Proofreader 630-377-1865	Linda Davis	

Web Site

The Web Guys	Rich Erikson and Kevin Cashman www.nircha.com
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Membership

Chairman 2365	Paul Girard	(773)-774-
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Northern Illinois Helicopter Association Renewal form

Name:

AMA Number:

Address:

Frequencies
Used:

City, State, Zip

Field Permit
Number:

Home Phone:

For permit
information

Work Phone:

call: 630-933-
7200.

E-Mail
Address:

Please check: Yes or Send Club newsletter via E-Mail instead of
No U.S. Mail.

Please check: Yes or If it is okay to list your name, address and
No phone

number so we can send out a list to all our
club members.

Check one: New Member
or Renewal

Membership can be renewed at any meeting or sent directly to our club treasurer, Robb Rinn, 433 Lake Lawn, Aurora, IL 60506. Check should be made out to Northern Illinois R/C Helicopter Assoc. You are the club and the club needs your support! Please renew your membership NOW!

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The other day, I came across some nutty guy flying in his front yard. He claimed he was just tracking his blades, but I know better. He was just having fun. People like this should really be questioned!!

Some Tips May Not be True!

Okay, I would like to say the best laid plans of men and mice are not always correct 100 percent of the time. Case in point. I have been telling everyone that if you use plastic tie straps to fasten the front of your landing gear on a Raptor you will not break the frames if (when) you crash. The principle behind it is the straps will break and your landing gear will separate before it breaks the front frames. I am here to tell you that it is not 100 percent true. How do I know that you ask? Well, I plan to tell you. I piled my main Raptor up. I'm blaming it on a glitch, but I could not find anything wrong, and my glitch counter did not show a glitch had occurred. This would leave a reasonable person to conclude that maybe a glitch did not cause the crash. Maybe it was the thumb-brain connection that suffered the glitch. Anyway, back to the purpose of this article. I cracked my left frame ever so slightly. This crack was in the leg going down to the front landing gear. I destroyed the landing gear, but that was okay because they were the ones I tried to dye black using rite dye. They turned brown and looked pretty bad. I might have been able to save the frame, but upon closer inspection I broke out the left rear mounting area for the rear landing gear along with the cracked front leg. This is a good time to remove and check and grease all of the main bearings,

start shaft bearings, head bearings and so forth. I checked the clutch out and decided it was time for a new liner on the bell. By the way, you can buy brake/clutch-lining material from McMaster Carr. It is several times thicker than it needs to be, but you can turn it down on a lathe to the exact dimension that you want. I still wound up changing a left side frame even though I took all of the advice that was offered. Someone said if you put on the lower frame support you will not break side frames in a crash. Maybe I will try that one before I go spreading around an old wive's tale about how to make sure your side frames do not break when you crash, yeah Right!!

Terry

Club Raffle

The club raffle was sold out at the last meeting, so the drawing for the \$500.00 gift certificate redeemable at Al's Hobby Shop will be at the next meeting. Good luck to all, and I hope the winner enjoys his shopping spree.

Ronald Kwilinski

It's Raffle time!

We have found the end to our raffle tickets. It is time to pick a winner of the \$500.00 gift certificate for Al's Hobby Shop. You need not be present to win, but it would be so sweet to be able to walk right up and take the \$500.00 right out of my hand into your pocket. That way there would be no waiting, go to Al's on Wednesday and spend the money for whatever YOU want. The possibilities are endless. Be sure to make it to the meeting, I will bring the camera so we can record the event.

We will not set up another raffle until our fun fly gets closer.

What you say, you want to buy more raffle tickets? I have advance sale tickets for Al's Fun Fly Raffle. The 1st prize is a Vigor CS (I could use that as a backup) 2nd prize is a Futaba 9CHP (Brand New Design) 3rd prize is a Scedu 30 size heli kit. (See above statements) 4th prize a set of V-Blades (your choice of size) These tickets are \$1.00 each or 6 tickets for \$5.00. See me to buy tickets, they go to a good cause, and you could be the next winner.

Terry

Club By-Laws

I have not had much input from club members on the by-laws that were published in the April newsletter. I only had one person take the time to email me some of his concerns about the way the by-laws were worded. Doesn't anyone else think that limiting the treasurer to 2 years is restrictive? Or how come there was no mention of a "family Membership" for the club? Would you like to see a reduction in prices for say a Dad, Mom and one teenager that all fly? Under present rules it would cost them \$60.00 per year to join the club. What about the Board of Directors Structure? I was hoping to get some input from club members and draft a new set of by-laws so that we could discuss and hammer them out at this meeting. These are the rules that govern our club, and we have a say in the way they should be written. Let any of the club officers know what you are thinking, or just write it down and send it to me. This is your club; it can be made the way that you think it should be, all by the use of by-laws. Take an interest, read them, jot your thoughts down, good or bad, about the present bylaws and bring them to the meetings.

Terry

Marty Special

My Marty special is a work in progress and has taught me a lot when installing the latest upgrade parts. One of the biggest things I have learned is that a lot of these upgrade parts do not match the original in size and setup. To be fair some of these problems may be exacerbated if your raptor's head has been flip flopped. One of the worst to watch out for would be the upgrade, Flybar Control Rod (metal hoop) for the Raptor 30. Because it is made up of pieces it does not have enough clearance for 3D setup and will bind your servo and should not be used. On the other hand, the upgrade Quick UK, swash plate is nice, very solid, with little play, but it is a few mm's thicker and slightly marginal in pitch range and has to be watched that it does not bind in pitch and cyclic extremes. Also, don't get lazy like me; you must use the tapered collar that comes with the swash plate to help increase the pitch range. One of the biggest disappointments was the metal seesaw arm, which state in the instructions not to tighten too tight and to rely on loc-tight to hold (no thank you). In this case the original is better and comes with a metal sleeve to allow you to tighten down the part without crushing the bearings. Some of these upgrades are great but some are not. Don't just assume all of these fancy iodized parts are better. Double-check everything before you go flying with any upgrade part.

Field Talk Email-Neil to Editor

Repair after his Saturday Mishap

Picked up some grommets at a real hardware store Sunday afternoon on the way to the field. Didn't fly though, bit too windy by that time.

Problem I found was bad battery connection that hooks up to the switch. Replaced switch anyways. But I kinda think it might be connected to fuel saturation on the connection? All I did was checked like we did at the field, and before switching receivers, I wiped one side of connection and blew in the other side

and wala it came back to life. With the type of flying we're getting into now, it would seem imperative that **you** find the best way to wash down the heli to keep connections dry and not harm electronics. Simply wiping off isn't going to be sufficient. Backward flight just sucks the fuel into the nose of the canopy and all the valuable components.

Engine didn't look too bad, disassembled and cleaned, replaced bearings look good for the go. Probably going flying before work today. Have to pick up those 5 flights you got in Sunday and then some. Better get some more sim time in this week, fly low, slow, close and with gentle fingers. Happy flying, Neil

Editor: I have ten gentle thumbs. I knew Neil would not let me have a chance to catch up!!!

Anyone have idea on electronics spray cleaner for our plug connections?? I know that stuff is out there. Just don't want anything that might attack plastic and do more harm than good.

Better Ways and Shortcuts

1. For a hints and tips section...if there even is one. I was emailing back and forth with a guy in CA, he found me though the Nircha web site and then to mine...any way through a bunch of chit chat he had a great idea. We were talking about how on Raptors and other helis, that it is hard to keep the tail boom from creeping in and making the belt loose. He heard from someone somewhere in the world to use a piece of that sand paper that you stick to a "t" bar to sand on - Dare I say it - Wings. Anyway cut a piece of sandpaper to wrap around the tail boom inside the frames. I have not done it yet myself but I plan on it... the sandpaper gives the side frames something to bite on. Just thought this was too good to keep to myself. Keep the stuff that spins out of the dirt. Rich Erikson

2. I highly recommend the larger fuel tank for the Raptor 30 or 50. The longer length of the fuel tank allows you to use a better grade of fuel line with a much longer life expectancy. Just remember if you are flying a Raptor 30 the other people at the field want to fly, too. Your flight times with the larger tank will go on forever. Marty

Product Review by Marty

I just installed a new collective pitch control arm on my Marty Special (formally a Raptor 30). This product is sold through Rick's R/C Helicopters (#JCRCAs) for 30 bucks. This price includes the pitch control arm, all bearings, and parts needed for installation. It is a little shorter than the original part which is good because it allows space inside the cabin area for my 401 gyro. The only change that I made was to use a piece of running thread with nylon locking nuts for a pivot point instead of the original self tapping screws. It is solid unit with very little distortion, very smooth, and a good way to help eliminate the plus or

minus in your collective pitch linkage. The helicopter pitch geometry will need to be tuned a little because the arm is slightly shorter than the original. In my opinion a great buy. I give it my highest rating, 5 Glow Plugs!

-
Editor: Greg Reed, where are you???

Herman
A fictional Story—Sent in by Jeff Torsrud

Part One of Three

This is a reprint of an article from the Northern Helicopter Modelers Club of New Zealand. Reprinted with the permission of Neil Harker, president. Story written by Andrew Roberts.

1. The New Guy.

Don hovered his helicopter in front of himself. The weather had been great all day and he started to lose himself thinking about the rotor speed and wondering whether or not it should be just a little slower.

Just then he felt a hand on his shoulder. The shock caused Don to lose concentration and the helicopter swayed back and forth dangerously. Don managed to get the model back to earth. He spun around to see the owner of the hand. “What th’.....” Don looked up, and up, and up. This guy must have been at least seven feet tall. When he got back to the face, he saw a big smile. “Hello”, said the smile. The voice had a strong Scandinavian accent. “My name is Herman. I am visiting your country from my home in Latwania.”

More smiles.

Don didn’t know what to say. He realized the helicopter was still running and shut down the throttle. He reached down and picked up the model. “You gave me a real start, just then!”

Herman was still smiling as Don carried the model back to his car.

Herman followed him. “I am very interested in, how you say, baby helicopters. I would like very much to have turn please.” Herman said cheerfully.

Don turned to Herman. It was his turn to smile. “Ahh, ha. I’m Don. Look I’m sorry but I’m afraid that it is very difficult to fly one of these model helicopters. It can take months to get the hang of it. But, if you’re interested I could help you buy one and teach you to fly.”

Oh, OK then,” said Herman. He looked a little sadder. “I watch you for today then please?” he asked.

“Sure,” answered Don.

For the rest of the morning Don flew around while Herman stood right behind, towering over him. Don had to step forward a couple of times when Herman got too close.

When Don was leaving he told Herman about some of the model shops around, but warned him that he should just have a look around and get a feel for prices, as some models could be very expensive.

Next weekend, Don arrived at the field a little late. A brilliant white Ferrari was in the parking lot and there was Herman kneeling in front of the car. In front of Herman was a brand new R/C helicopter.

Don pulled up in the lot and stood staring at the Ferrari. Herman stood up to greet him.

“Hello my friend Don. You see I have bought a baby helicopter.” Herman grinned as he spoke.

“Is this yours?” said Don. He was referring to the car.

Herman wondered why Don wasn't interested in his new model.

“Oh that's just a rental while I am having a holiday in your beautiful country,” said Herman in broken English.

“Wow, it must be costing you heaps,” said Don.

“No, you see in my home in Latvia we have very good exchange rate with your country. One Dreema is two hundred and fifty six dollars and twenty five cents in New Zealand,” Herman said matter of factly. “I am very happy, everything is so cheap for you, but I am sorry you have to carry so much paper in your pocket.”

Herman showed Don a wad of hundred dollar bills that had previously caused a large bulge in his pocket.

Don did a quick estimate that Herman's hand contained about five thousand dollars. He swallowed hard. Don turned his attention to the brand new model in front of Herman.

“Nice one. Where did you get it?” Don asked.

“Well, I am pleased you ask me. It was strange. You see I saw a man in a shop and I asked him for a baby helicopter,” Herman replied. “The man, he smiled and said I should buy thirty helicopters, but if I have lots of money I should buy sixty helicopters. I told him that I just want one helicopter and he says, yes. I am a little confused, so I tell him I have lots of money so I will have sixty helicopters. He gives me a box. Then he says I must buy blades. I tell him I don't need blades because I use a shaver but he says I have to have blades and he says I need fiber, glass or wood. I ask him if fiber is any good and he just gets grumpy and puts another box on top. He then says I must have a radio. I tell him I already have a radio and he says is it Futaba or JR, or is it another type. I tell him it is Sony and show him my pocket radio and he starts to get angry. He says something I don't understand about foreigners. He shows me the plastic box with the sticks

for driving the baby helicopter just like yours and I tell him I need one of those. He says this box is a radio but when I try to tell him I think he is wrong he just closes it up and puts it on top the others. He then says I must have motor. I start to ask him what types, but he just puts another box on top the pile. He does not smile anymore. He says I need glow fuel and puts a bottle on top the pile. I tell him that I don't want to tell him he is tearing me off, but the fuel he is selling me is not glowing, it is very dull in fact. He gets very grumpy and says some more words I don't understand so I just let him put more boxes on the pile. He then tells me the price and I give him the paper dollars from your wonderful country. He is now very happy and asks me if he can help me with anything else. I tell him that it will be OK as I have my friend Don to help me and I then leave". Herman finished with his glowing smile.

"Well it looks like you have all the best gear. It must have cost a lot," said Don.

"Tell you what, I'll just have a fly of my chopper and then we'll check out your model before we start it up."

"Oh, I have already started it up and flown it," Herman replied.

Don thought to himself. Yeah, sure! I get sick of these guys who reckon they can fly all over the place when no-ones watching.

"That's interesting," said Don. "You actually got it off the ground for a few seconds eh? Well done. Well, I'll just get my gear out."

While Don was unpacking and getting his gear ready, Herman decided to get his model going again. Herman started up the helicopter while Don was going a radio range check. As Herman's helicopter roared to into life, Don ran back to stop him. By the time he had got to him, Herman had lifted the model off the ground and was doing some slow pirouettes in front of himself.

Don was stopped in his tracks. His mouth fell wide open!

"How did you learn to do that?" he managed to ask.

Herman turned around to speak to Don but Don pointed back at the helicopter. "Watch the helicopter!" Don yelled.

Herman felt a little hurt at Don's yelling. He replied, "But Don, you teach me how to fly last weekend. Don't you remember?"

"But I just showed you the controls. That's bloody amazing. You know by rights you should have crashed by now," said Don shaking his head.

"Oh, sorry," said Herman. He then moved the right cyclic stick over causing the model to drop and crash into the ground in front of them.

Don was horrified. "What the hell? Herman Why Why did you do that?"

Don found it difficult to get the words out.

“But you just tell me to do this,” replied Herman. “You said I should have crashed by now.”

“Oh dear, you do have trouble with the language don’t you. Look let’s sit down and take a look at the damage.” Don tried to comfort Herman. They walked back to the cars.

“Oh it’s alright,” said Herman with another one of his smiles. “You see when I got home I realized that man in the shop had only given me one helicopter, so I went back later and bought the other fifty nine. I see now why he say I need sixty helicopters.”

With that he pulled another brand new identical helicopter from the back seat of the Ferrari and smiled.

-----To be continued next month-----

The True Masters of Hovering

The Ruby Throated Hummingbirds will be in our neck of the woods soon. It is imperative that you get your hummingbird feeders out before they fly through our area or they will pass you by. Three parts water and one part sugar is just what they are looking for. To keep them happy change their sugar drink every three days especially in hot weather. Mold is not that tasty. Marty

Question Looking for an Answer by R. U. Befuddled

Sometimes when I have a mishap at the field one of my servo cases will get slightly mutilated. When replacing the case I have problems with servo centering and throw. What am I doing wrong???

Help!!! Befuddled

Event Calendar

May 5th, Giant Scale Warm Up, Pratt’s Wayne Woods, located by town of Wayne 9:00am. A lot of well made giant scale planes to look at and watch fly. It gets better every year. Bring your camera. Sponsored by West Suburban Barnstormers club.

Bulletin: Take note, at its new location, the big event, the must see or fly in of the year will be here before we know it with all the big name flight demo pilots. The Al Fuchsen Memorial Helicopter Fun Fly will be held at its new location, the model airplane field just off of Campton Hills Rd. at the Fox Valley Aero Club site in St. Charles with overnight RV parking and lots of great prizes. I believe they had 100 entries last year at its old location at Fermi Lab, and they are expecting an even larger number in St. Charles. Some of the events this year are Drag Racing, Auto Contest, and Night Fly. Flight Demo’s will be by Team JR - Dave Storey, Futaba - Scott Cathy, Kyosho - Dwight Shilling, Miniature Aircraft - Ross Van

Dorpe, Al's Hobby Shop, Thunder Tiger, Hirobo Representative – Jeff Rankin.

Hot food right off the grill is available at the field. When it was at Fermi Lab I gave it 3 Beer Steins* for taste and presentation, a relaxed back yard fare, with hot dogs done to a turn and a wide choice of condiments. Don't forget their 4 Beer Stein*, succulent roast pig dinner which is included with the 25 dollar entry fee. The fun fly will be on the weekend of June 22nd and 23rd. Registration is from Saturday 8:30 to 5:00 and Sunday 8:30 to 12:00. You will not want to miss this fun time and all are welcome. Let's try for 100% club participation. This news story is still developing with more detailed information to follow next month or call Cindy at (630)-832-4908 or email rc@alshobbyshop.com .

*1 Beer Stein = palatable, 2 Beer Steins = interesting, 3 Beer Steins = mouth-watering, 4 Beer Steins = lip smacking

Public Service Announcement

As a rule of thumb your home smoke detectors are good for only 10 years. When replacing home smoke detectors make sure you buy one with both ionization and photoelectric smoke and fire detectors that cover both fast and smoldering fires. In past years most detectors did not cover both types of fires. These ionization and photoelectric smoke and fire detectors cost at least twice as much as the single type but will cover all fires. Don't try and be thrifty when buying a life saving device and its batteries. Always put the date when purchased on inside of the detector so it can be replaced when out dated and also date the battery. Last year 84% of all the people who died in fires had a non-working smoke detector. Don't procrastinate; working smoke detectors save lives!!! Do it today!!! -----*I have just saved your life. You now owe me!! Please take the time to add something to next month's newsletter!!! Editor*

For Sale, Lots of Good Stuff

FOR SALEUSED:RealFlight Deluxe with Transmitter Interface and Generation 2 Upgrade. Asking \$95.00

NEW:RealFlight Generation 2 with Mode 2 Transmitter. Asking \$175.00 If interested call Ed (I have an answering machine) 773-239-2470 or emkoman@juno.com Thank you, Ed

For Sale: OS Max .32 SX less than 3 gallons, excellent cond. asking \$80.00 plus Shipping - JR Flight Pack - (5) 507 servos upgraded to 517, R600 6 channel receiver less crystal, JR 1100 mAh battery, on/off switch harness, excellent condition asking \$ 150.00 plus shipping

- Hobbico Volt Watch - very little use - asking \$8.00 plus shipping. If interested please email Rod at DaRaceNGuy@aol.com or call (312) 853-5740. Thanks, Rod Laureano

For Sale: Lite Machine, it has a Sport Piezo Gyro, Hitech radio. New parts include: motor, clutch, tail boom, main blades, main shaft gear, and canopy, pretty much all of it is new. Have extra engine and other parts too. Asking \$500.00 please page or e-mail Jorge, Pg. (708) 378-1351 e-mail jrealty@juno.com

For Sale: Bergen Intrepid Gas Helicopter, hovered one time. All new equipment, including all Futaba 9203 servos, Futaba Piezo Gyro FP-501 with High response S9203 servos. Asking \$1150.00 OBO.

X-cell Graphite Gas Helicopter hovered only, 5-6 times, all new equipment, custom painted canopy and tail fin, also comes with the stock canopy and fin, Bergen cooling fan and shroud, JR.NEJ 120S gyro, Futaba 9201 servos except throttle. Asking \$1150.00 OBO. Will separate.

Futaba 8UHP 1024 Heli Radio, Channel 16, with 2 129 DP receivers. Pristine condition, no scratches or dents. \$550.00.

Can send photos, if anyone is interested in purchasing any of this equipment that they should either e-mail, Aeronut04@aol.com or call during the day 630 261 9281. Thanks Jim Nicosia

Editor: From what I understand, I firmly believe the above Bergen and X-cell gas helicopters were hovered only a few times by a little old school teacher with no mishaps!!!

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 and is maintained by Web Guys, Rich Erikson and Kevin Cashman.

Meetings are held the 2nd 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 Forest Preserve Flying field is located on Grace St., Addison, and one mile north of North Ave. Field permits can be obtained by calling 630-933-7200.

Club Officers

President	Terry King	815-547-7016
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Secretary	Neil Nesheim	630-351-4002
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