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# The Transmitter

Suburban RC Barnstormers - P.O. Box 524, Bloomingdale, IL 60108

AMA CHAPTER 640

IMAA CHAPTER 194

November, 2003

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## Coming in November and December

November 10<sup>th</sup>, Club Meeting TURKEYS!, 7:30pm, Bloomingdale Library

November 24<sup>th</sup>, Board Meeting, 7:30pm, Bloomingdale Library

December 8<sup>th</sup>, Club Meeting – CHRISTMAS RAFFLE, 7:30pm, Bloomingdale Library

December 15<sup>th</sup>, Board Meeting, 7:30pm, Bloomingdale Library

## Come to the Next Meeting and You Might Get the “Bird”

Of course we are talking about turkeys. Each year many of these noble birds, that Ben Franklin wanted to make the symbol of our country, sacrifice their lives so that our members can remember the hardships endured by the first settlers from Europe. In

other words, we've got some free grub for you. How do you win one of these birds? Just show up! But you can't win if you don't make it to our next meeting. So see you there!!

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## What Happened at the October Meeting?

### NOTES OF BARNSTORMERS MEETING Of October, 2003

#### ATTENDANCE

Twenty-three regular members were in attendance. Sitting in on the meeting were **DeWayne Schierer** and his son, **Josh**. Josh is learning to fly and crashed in plane, but rebuilt it and has been flying on his own after about 3 hours of training. See it can be done!

#### OFFICER REPORTS

**President: John Howe** talked about several items. These items have been put in “Other Business”

**Treasurer: Bob Elsner** reported a balance of \$1940. He says we have yet to receive our

table refund from the last event. This refund is expected to be around \$200-\$300 and we will look into using this as the deposit for next year.

**Vice President: Scott Hurley** was absent.

**Secretary: Scott Taylor** said the rollover prize this evening was a \$70 Hanger 9 quick charger for transmitter and receiver batteries. **Shewen Smith** had also donated a number of prints of a P-51 Mustang on take-off. Three were going to be raffled as door prizes tonight. Thanks, Shewen.

#### COMMITTEES

**Fun Fly:** Fun Fly season is over until May.

Safety: Jim Paroline was absent but Jim Scahill mentioned a plane recently crashed very near the flight line. The crash was caused by a frequency conflict. Members are reminded that transmitters must be returned to the transmitter stand after each flight and that frequency pins pulled down. Also, when you are putting your pin up, double check you are placing it on the correct number. If you see anyone that does not seem to understand the frequency control system, it is important to take the time to familiarize them. This is for everyone's safety!

**Flight Instruction: Jim Scahill** said there have been students out on Sundays and Mondays. At times, he has seen 5 students waiting. Frank Bernstein has been a big help with training. John Howe was recently certified by Jim. Jim also reported that two students have soloed.

### OTHER BUSINESS

**Swap Shop - John Howe** said the date for the Swap Shop would be April 10<sup>th</sup> or 17<sup>th</sup> this year. He is waiting for availability from the Fairgrounds. April 10<sup>th</sup> is the preferred date.

**Glenn LaRocco** asked about moving the Swap to November. He felt that the poorer weather and peak of the building season made it a better date. There seemed to be a consensus that the Fall event would be better attended than a Spring event. Of course that would mean holding two Swap's this year. John said he would include a questionnaire with information sent to our vendors for the April Swap to see if they would support a November/December event.

**Golf Dome Flying – John Howe** was asked by **Scott Hurley** to pass along that the Golf Dome becomes available for indoor electric flying November 1<sup>st</sup>. Scott said the dome could be available for two nights a week. We would be charged \$200 for two days or \$150 for one night. If we got two nights, it would be Thursday and Saturday, and would be available from 10:30pm on.

On a related topic, John said that **Scott Hurley** had suggested another "builder's"

night where the project would be an indoor electric powered by GWS components. It would be something along the lines of the GWS "Goldfish". **Ron Hilger** brought in a Goldfish that he built and took the opportunity to show it to the members.

### **PLANES AND THINGS**

**1000 Penny Challenge – Keith Egging** presented the members with a new challenge. He brought in a toy bat with flapping wings that flew from suspended by a string. He suggested that the mechanism could be adapted to a free flying "Ornothopter". His challenge was to anyone who could make one fly for 5 minutes. He purchased this Halloween toy at Big Lots.

**Jerry Jeske** brought in an old "Oriole" kit he recently finished. It was originally design as a free-flight plane, but he added a Cox .020 to his orange and black beauty.

Jerry also had an American Eagle glider to show the members. This plane was originally sold in separate wing and fuselage kits. There were several versions. His was a 102 inch wingspan and sported a motor pod. This was a 30 year old kit the he bought last year from G&D when they were going out of business.

**Scott Taylor** brought in a \$5.00 Styrofoam glider that he had added a radio to for use as a slope flyer. The receiver and servos were GWS and it had a 250 ma battery pack for power and balance. Ailerons were used for control directional control instead of a rudder that had the advantage of increasing wing area 10-15 percent. Keith had to add that Scott paid too much and that the gliders were available at Big Lots for \$2.00.

### **RAFFLES**

**John Howe** was the winner of the \$70 Hanger 9 Charger. **Orvil Fluharty, Alex Kowalski,** and **Glenn LaRocco** were winners of the P-51 Mustang posters.

## Howe To...

# Repairing a stripped glo-plug thread using threaded inserts.

By John Howe

I will describe how to repair a stripped glo-plug (or any other stripped threaded part) using the Recoil© or Helicoil© repair system. The basic idea behind these systems is to drill the stripped hole out to a larger diameter then tap the hole using a special thread followed by threading a high strength steel spring to match the old thread size.

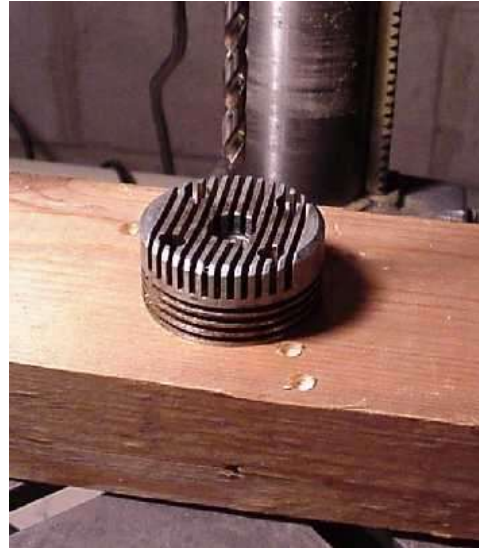
(See Pic1 for tools)



Picture 1

The first step is of course to remove the head from the engine. This is a simple task of removing the head bolts and gently twisting of the head. If your engine has a one piece cylinder and head (Satio as an example) the further disassembly is required. Once the head is off the engine then drill out the glo-plug hole with a 1/4" drill bit. (See Pic2). The instructions recommend using a 17/64" bit but I have found the 1/4" bit to work fine with the soft aluminum heads on our engines. A drill press is preferred if available but can be done with a hand drill. The drill press just insures the hole is straight.

After the drilling you are ready to tap the head with the supplied tap from the kit. Be sure to



Picture 2



Picture 3

use a hand tap, as I would not recommend using a hand drill for tapping. (See Pic3). After the tapping is complete then you are ready to insert the threaded insert. Place the insert on the supplied insertion tool (See Pic4) and begin threading the insert into the head. The insert will be longer than the hole so you will want to thread it in to hole so the top of the insert is just below the surface. Once completed use the punch tool to remove the "tang" at the bottom of the insert. You now will want to use a pair of side cutters to clip away sections of the protruding insert

until it is flush with the bottom of the head. Another option would be to use a Dremel or rotary tool but care must be taken not to damage the head. (See Pic5 for finished head)



Picture 4

You are now finished repairing the head and ready to reinstall the head. Before doing so be sure to wash the head thoroughly before installation. This is an important step since the metal filling and drillings from this process could enter your engine if not removed from the head. Place the head on the engine and follow a torque sequence for reinstalling. Some manufactures will provide one but if not a good practice is to start with one bolt and only finger tighten it. Then select a bolt on the opposite side of the head and do the same.

Next select a bolt next to the first and tighten to finger tight followed by the bolt opposite that one. After all the bolts are finger tight then follow the same pattern over again to final tighten the bolts.



Picture 5

Congratulations you are done!  
If you have any ideas for articles please email me at [lflyRC2@comcast.net](mailto:lflyRC2@comcast.net) or call at 630.541.3054

John Howe.

# The Transmitter

This newsletter is published monthly by the Suburban RC Barnstormers, Inc.

We reserve the right to edit all information forwarded to us. Permission is hereby given to reprint any article that we publish as long as proper credit is given.

Material can be submitted for publication: (1) at a meeting, (2) by mailing to Suburban RC Barnstormers, Inc., P.O. Box 524, Bloomingdale, IL 60108, (3) sending it to the email of the editor, Scott Taylor, at [taylorstr@megsinet.net](mailto:taylorstr@megsinet.net)

Articles must be received by the 4<sup>th</sup> Saturday of the month to be included in the following month's newsletter.

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