



HI-SKY R/C FLYER

February 2006

Volume 35 Issue 2

President: Gene Laughlin
Vice President: Bruce Hoover
AMA Charter Club #851

Treasurer: Ed Anderson
Secretary: David Harrell
www.hiskyrc.com

Meeting:

The February, 2006 meeting will be at the First Baptist Church Activity Building February 7, 2006. The meeting will start at 7:00PM. You will have a chance to fly after the meeting.

Dues:

Dues are now due. Please help the club treasurer out and pay as soon as possible. You may mail your check for \$20.00 along with a copy of your AMA card to P. O. Box 81012; Midland, TX 79708.

Minutes:

HI SKY R/C Club Minutes: January 3, 2006

Meeting was held at the First Baptist Church Activity building.

Gene Laughlin brought the meeting to order at 7:15 pm.

There were 23 members present including two new members; John Sellers and Pat Kirksey.

The minutes were approved as written.

Gene also requested that the club members be sure to thank the new officers for their willingness to serve and the contributors to the monthly newsletter. Bill Coombes and Dennis Robbins continually contribute to the newsletter.

Continued on page 4

INSIDE THIS ISSUE

- 1 Minutes
- 2 Robbins Nest
- 4 Picked Up Passing By
- 5 Calendar of events
- 5 For sale
- 5 Solvent Toxicity



Picture of the regulations board at C. J. Kelly Park

The City of Midland, Texas is allowing the Hi-Sky R/C Club to use this park for electric flying. Go by and try it out. The address is 2800 League Drive. It is behind Lowe's store for further guidelines to the location.

This is a small electric model airplane only field. It is not for the glow or gas engine models as the space is limited. The plane **must** be kept inside the park during flight. This means never over the road, never over houses, and never over the parking lot. *Stay inside the park.*

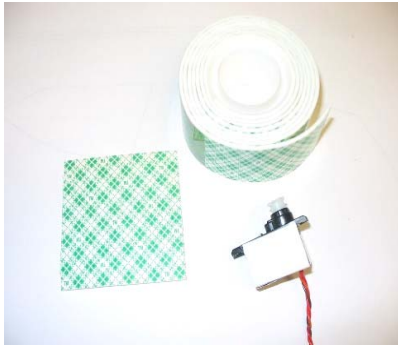
The larger electric model planes probably should be flown at our field south of town.

Continued on page 3

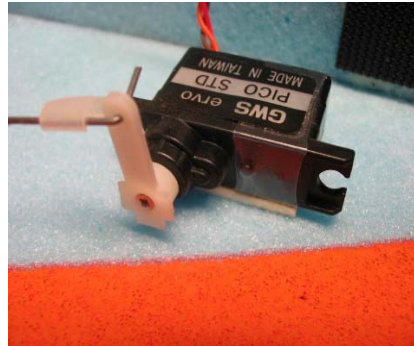
From the Robbins Nest:

MOUNTING SERVO ON FOAM AIRPLANES: Many folks in our hobby are starting to construct foam aircraft, and I thought this month I would share some techniques for servo mounting. I fly lighter planes which weigh up to about 5 oz, and these mounts have worked well so far. If you build larger, heavier foam planes, you may need to consider different ways to mount your servos.

The first method I use to mount a servo is using double sticky foam tape. I cut a piece to fit the servo, and stick into place. Initially I was concerned that the foam tape would not hold, but this has not been a problem. Actually the tape can be rather difficult to remove.

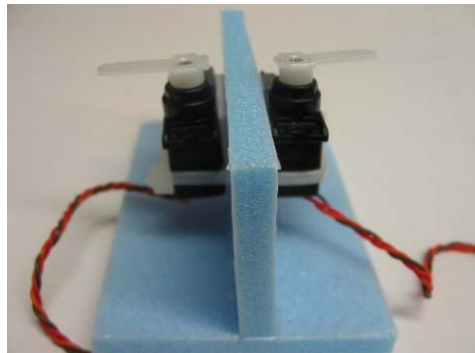
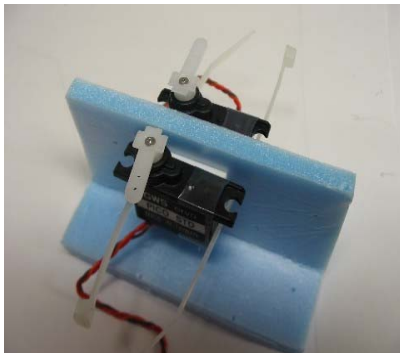


3m double sticky foam tape



Servo mounted directly to foam wing

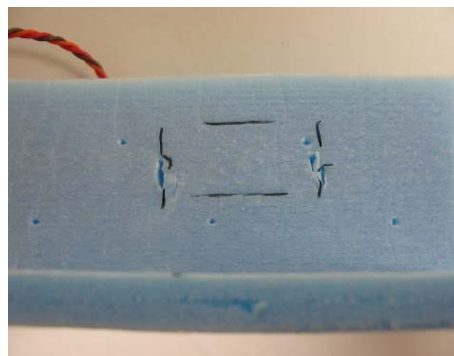
If you want to support the servo further, you can place a tie wrap around an individual servo, or two servos mounted back-to-back, as seen in the following photos. I still use the foam tape for added security. If mounting a single servo, a piece of 1/64 ply could be used to tighten the tie wrap down on the backside of the servo.



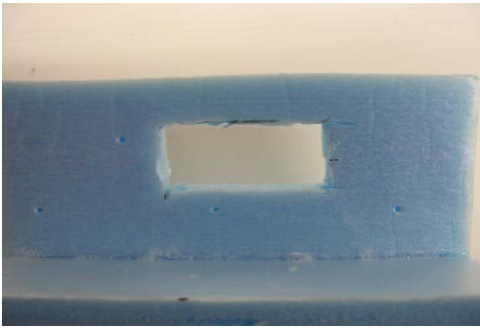
Another way to mount servos in foam is to glue them in place. I am picky about damaging my servos, so I begin by wrapping them in masking tape. Cut a hole in the foam where the servo will be mounted, (a snug fit is recommended), slip the servo in place, and glue along the edge of the taped servo, and the foam.



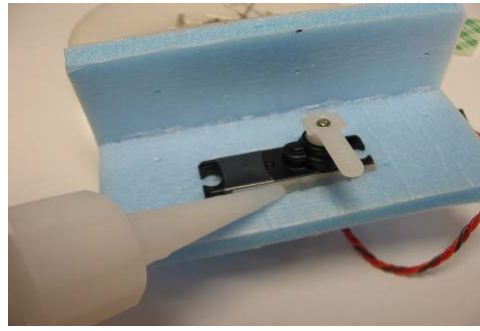
Servo with masking tape



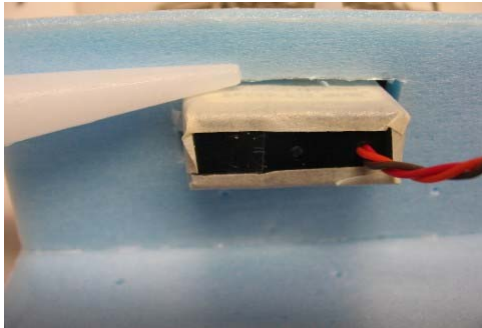
Mark position of servo



Cut and remove foam for servo



Glue servo in place

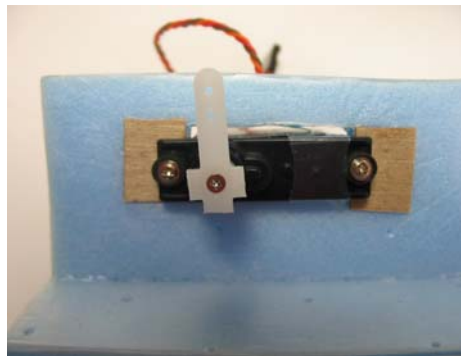


Don't forget to glue the bottom

The last method I'd like to illustrate is using the screws that come with all servos. I just glue some ply or balsa to the foam, insert the grommets into the servo, and use the supplied screws to attach the servo to the foam.



1/64 ply (or stiff balsa) glued into place



Attach servo using supplied screws

NOTE: Please keep in mind that all my planes are very light, and the above methods have worked fine for my aircraft. As the Weight of the plane increases, so should the method and strength of your servo mount.

ONLY YOU, THE PILOT IN COMMAND, CAN DETERMINE IF THE MOUNTING TECHNIQUE IS GOING TO WORK FOR YOUR TYPE OF PLANE!

By Dennis Robbins

The 2006 officers are:

President	Gene Laughlin
Vice President	Bruce Hoover
Treasurer	Ed Anderson
Secretary	David Harrell
Newsletter Editor	Henry Smith

Ed Anderson reminded everyone that dues are due and it helps with the AMA paperwork, if due are paid promptly.

Bill Coombes article printed in the HI SKY R/C news letter was reprinted in the AMA national newsletter.

David Stoner gave out 15% discount cards for Barry Surratt's MY HOBBY SHOP in Lubbock. David also noted that Lowe's has the blue core fan fold on sale for \$20 a bundle.

Field Report: Bruce Hoover said the field is in good shape.

Safety Report: AJ Lee said things were pretty safe.

Activities: Jim Ruple opened the discussion on the 2006 activities.

Old Business: Gene Laughlin asked for volunteers to work with the city contacts on the new field progress. AJ Lee and Gene Laughlin will contact the city staff. Jon Wheeler volunteered to help with the Key Energy contacts.

New Business:

Planned Activities for 2006:

CAF Electric Fly-in and Swap meet, 3rd weekend in July. July 15&16

Joint IMAC with Midland & Odessa Clubs, Memorial Day weekend, May 27&28

Hog Fly-in, 3rd weekend in September, September 16&17

Build Delta Darts at CAF event in October, October 7&8

Fajita Fly-in and Swap meet, 4th weekend of April, April 22&23

(Following weekend will be the alternate date for each event that needs an alternate date.)

Show and Tell:

Mike Chase designed and built a blue & red biplane around a set of 35 year old control line biplane wings. Mike will balance the short nose with a Fox .45.

Bill Coombes showed a Flyin-Styro Messerschmitt-Me109.

Steven Bowers brought a Super Fly Super-mite with a ducted fan.

Club Raffle: Castle Creations provided a Phoenix 25 ESC for the raffle. The raffle was won by Steven Bowers.

The meeting adjourned at 8:00pm.

Upcoming Events:

Odessa Fly-in & Swap Meet at Club Field February 25.

Odessa Mall Show, March 11 & 12

Picked up Passing by

The AMA Insider is the AMA's national newsletter for newsletter editors and club officers. It has various articles from the AMA and from the many club newsletters. It is sent by email to us. When I read the contents I thought one article sounded familiar. When I turned to the article, I discovered that it was by our Bill Coombes. The article was his "Flying With a Plan" that was in our December newsletter. That gives you an idea of the quality of the writers we have. That makes my job a whole lot easier. Thank you Bill and Dennis for your many efforts (and articles).

There is room for anyone to publish an article. I have asked for a few but no one has stepped forward.

I received a note from Ralph Gillette about a device for added safety using LiPo batteries. He invested in a "Battery Bunker". He had planned to bring it to the January meeting, but was out of town. He suggests checking out their web site www.batterybunker.net. It has pictures and instructions along with some very graphic results of LiPo charging.

In addition to this web site there are numerous websites with a world of information about the proper or correct care and charging of LiPo batteries. The AMA has published guidelines concerning the correct charging procedures for LiPo batteries.

There is a wide variety of information on the internet about the many facets of our sport. Some of what you will find is biased toward a specific product. You have to be careful with regards to what you read. But, if you have a question about an engine, fuel, or plans there is a lot of information there.

Great people plant trees they'll never sit under.
Alfred Nort Whitehead

When you drink from the well, remember the men who dug the well.

Everyone has a photographic memory. Some just don't have any film.

CALENDAR OF EVENTS

ODESSA FLY-IN AND SWAP MEET

ODESSA CLUB FIELD

FEBRUARY 25, 2006

ODESSA MALL SHOW

MUSIC CITY MALL

MARCH 11 & 12, 2006

You may bring your planes Friday and set up. They have a place to be secure and locked. If interested, contact Loyd Hicks at 366-9705.

WEATHERFORD SWAP MEET AND AUCTION

HALL MIDDLE SCHOOL

MARCH 24 & 25, 2006

Friday 5 PM to PM-Sat 8 AM to noon- Auction till 5 PM

Texoma RC Electric Extravaganza

Sherman, TX Club Field

April 22, 2006

FOR SALE

CONTACT BILL COOMBES AT 689-8359 OR BETTER-----

EMAIL AT: SNJ24@EARTHLINK.NET

Top Flite Spitfire kit...60 sized...complete NIB \$75

Top Flite Airacobra kit - .60 size with cockpit kit \$75.00

World Models Clipped wing Cub (electric power) ARF--\$60
New in the box.

Horizon Hobbies PT-19 (electric power) ARF -\$60.00 never
flown, almost ready to go.

If you have something to sell, let me know and I will list it
here. My phone number is 570-6262 or email me at:
hksmith35@prodigy.net

You might be an RC Modeler if:

You know what the term "Dumb Thumb" really means.

You introduce your wife as your co-pilot.

You can balance your plane but can't balance your check
book.

You consider the R/C club meeting as the month's social
event. Thanks to Bill Atkins, Dixie Aeromasters

Solvent Toxicity

By David Rosenberg

From the Willamette Modelers Club of Oregon,

Technical Editor's Note: Know your solvents—they can be very useful but can have serious health repercussions if used without sufficient ventilation. Never use an ordinary electric fan to "suck" air out of a room where solvents are in use—instead set up your workroom so the fan blows air through and out of the room.

Definitions:

Fire point: The temperature at which a material will take fire when exposed to a small flame.

Acetone (Dope thinner, both Nitrate, and Butyrate)

Boiling Range: 130°-134°F

Fire Point: 0°F.

Toxicity: Acetone is a mild narcotic, skin irritant, and has a de-fatting action on the skin. Prolonged inhalation may cause headaches.

Storage: Use minimum volume containers, either High density polyethylene (HDPE) or Polypropylene (PP). They have low vapor transmission, minimizing evaporation.

Safety Precautions: Use with gloves and eye protection in well-ventilated area. This is a very dangerous and underrated solvent. Store it in sealed, solvent-proof containers in a cool place away from ignition sources such as a furnace or gas tank heaters. Do not store in a refrigerator. Accumulated fumes can be ignited from a spark from the exposed door switch. Underwriter's Labs have confirmed home explosions from flammable solvents stored in refrigerators.

Methyl Alcohol (Methanol and Wood alcohol)

Boiling Point: 146°-153°F

Fire Point: 52°F (open cup)

Toxicity: It has distinct narcotic properties. It is a cumulative poison, affecting the nervous system, especially the optic nerve, causing optic neuritis and blindness. It is an irritant to mucous membranes and skin can become dry and cracked because of the solvent action.

Isopropyl Alcohol (Isopropanol)

Boiling Point: 175°-178°F

Fire Point: 67°F (open cup)

Toxicity: Not rated as a toxic compound but it is an irritant to mucous membranes and eyes and is a mild narcotic.

Rubbing alcohol is a mixture of 70% Isopropanol, and 30% water. It should be stored in bottles made from HDPE which has a low vapor transmission and minimizes evaporation. It is an excellent industrial degreaser. I have used it successfully for decades at both General Electric and General Motors to clean both metal and polymer surfaces prior to adhesive bonding. Its flammability is one of its drawbacks.