



The R/C Flyer

Volume 26, Issue 8

August 2002

Next Meeting – Thursday, August 8, 2002 at 7:00pm - Clear Lake Park Bldg.

July Meeting Minutes

By: Mike Goza, JSCRCC Secretary

The Meeting started at 7:15pm 7/11/2002

Old Business:

Dave (Hoffman) has not found a way to have a contest on site at this time. He is still trying.

Dave will also check about a new rule where only stickered cars will be allowed on site. This will have a major impact on the club if it is enforced. Dave will try and gain confirmation on this issue.

Dave has been working on a packet for new members. He passed out a draft version at the meeting for comments.

James may host an electric fun fly at the end of the September Fun Fly.

New Business:

Ray Randolph mentioned that Hitec is offering ten \$1000 grants for clubs that have merit or a cause. There was discussion of whether the club should try for one of the grants. Our club participation in local schools may be grounds for participation. More discussion will continue next month. Ideas are needed for a cause for the \$1000 grant.

Model of the Month (MOM):

James Lemon brought a scratch built airplane he calls the SPAD. It is built using coroplast for the tail, a PVC gutter

downspout for the fuselage, and foam for the wing. Uses a MVVS .26 for power.

Terry Dunn brought a kit bashed 767-foam free flight glider and turned it into a R/C F100 with an electric 280 pusher motor for power. A little sanding and lots of creativity turned this into a nice model. Terry won Model of the Month.



Terry with his F100 MOM

Troy Whiterhurst brought a House of Balsa P-47. He made a 2 channel plane into a full house 4 channel plane. Uses a Norvel .049 for power.

Herman brought a set of floats showing panel lines and rivets. The floats were made out of balsa and coated with 0.6 oz/sq yard fiberglass. The rivets were made with a syringe and Elmers glue.

John brought a 05 electric powered Cub. Uses an 8-cell battery pack. He likes electric so much that he is getting out of glow-powered flight.

Entertainment:

Ken White continued his presentation from last month by discussing flying wings.



Terry Dunn volunteered to bring refreshments for next month.

Meeting adjourned at 9:15 pm

Ken White's Presentation Follow-up

By: Ken White

I promised at the meeting that I would provide some e-mail addresses and references for some of the data presented on flying wings. Below are some of the WEB sites with comments:

<http://beadec1.ea.bs.dlr.de/Airfoils/flywing1.htm>

This site provides an excellent article on "Basic Design of Flying Wing Models" It also provides a graphical method of obtaining wing twist in lieu of the Panknin formula.

<http://www.targetware.net/acmfileguide/mac.htm>

This site contains the formula for the mean aerodynamic center.

http://www.jefraskin.com/forjef2/jefweb-compiled/published/balance_point.html Jef Raskin provides the formula for determining the balance point. This is a

portion of the formula I provided at the meeting. He suggests taking 90% of the results for flying wings. I provided a second part to the formula to get a little better result

$$X = \frac{R^2 + RT + T^2}{6(R + T)} + \frac{S}{3} \frac{(R + 2T)}{(R + T)}$$

$$P = \frac{L S_2}{3 S_1} - \frac{R^2 + RT + T^2}{15(T + R)}$$

$$CG = X + P$$

R = Root Chord
T = Tip Chord
S = Sweep Back

Mean Aerodynamic Center (MAC)

$$MAC = \frac{1 + 2\tau}{3(1 + \tau)}$$

τ = taper ratio = T/R

<http://www.b2streamlines.com/Panknin.html>

Site for the Panknin formula, to determine the twist based on your design parameters. You can also go the b2streamlines homepage and find numerous links. One very good article is at <http://www.b2streamlines.com/EffectiveDihedral.pdf> This subject was not covered in the presentation but is important for stability of a flying wing design. Also a good reference on the same subject of spiral stability and effective dihedral is in a four part series of Model Aviation, written by Beron-Rawdon and Blaine. The issues are August through November 1988 and Sept and Oct, 1990 issues. Other excellent reference books are the series of Soartech Journals. (Some issues are no longer available).

HITEC USA Grants

By: Editor

As mentioned in the minutes from the last meeting, Ray Randolph brought up the grants being made available by the Hitec USA people. This is their second Field Improvement Fund Awards for ten awards of \$1000 each. Club members need to consider whether or not we should apply, what our "claim" should be based on, and volunteers to follow up on the application, and to see that the improvements are implemented as advertised.

The rules are simple; any club can apply and each entry must include the following:

- Club contact name, address, and phone number
- The same data for two of the club's board members
- The club's federal tax ID number
- The number of dues paying club members
- A statement describing whether the field is owned by the club or leased, and if leased how much time is left on the lease
- Short plan of proposed improvements
- A short (but heartfelt statement) as to why our club should win one of the ten awards

Entries must be postmarked by October 31, 2002, and awards will be made by December 31, 2002.

To summarize, the money is to be spent on *flying site improvements*. I don't know if being on federal property (with no cost to us) will be a factor or not, but it probably doesn't help. Also any proposed improvements would have to be coordinated and approved by the proper JSC people in time to meet the submittal deadline. Although \$1000 is not a lot of money, augmenting it with some club funds and possibly with a JSC EAA contribution, we could be able to make some serious improvements.

Here are some ideas that crossed my mind:

- Covered set up area with tables
- New NW-SE runway
- Re-surface existing pavement
- Better weather monitoring system and info up-linked to the club's web site
- Pit safety fence/barricade
- Porta cans.

Don't know if the JSC folks would approve any of the above or if we can even afford some of the above ideas. But be thinking about this opportunity and come to the August meeting prepared to discuss the subject. We don't have as much time as you might think and a decision needs to be made at the August meeting. If you can't be at the August meeting but have some ideas, let one of the club officers know. If anyone has any idea as to how much some of the above items might cost, please come to the meeting or let one of the officers know so a better decision can be made up front.

WARBIRDS OVER LOUISIANA

By Don Fisher

I was invited to go to Sulphur, LA with the Livingston club to attend this event, which I thoroughly enjoyed. The three

of us took a total of six Warbirds: P47; 100 inch Corsair; L-14; PT-19; and my 88 inch L-19 or Cessna O-1E Bird Dog. We also took a Senior Telemaster that was converted for night flying. We really had a ball with that one. Every one had to try it out.

The large Corsair bit the dust or I should say mud after the 3rd flight. Don't know what happened, just rolled over and went in. I flew the L-19 for the first time. It flew really great, slow and very scale like. It has an 88inch wingspan with an OS-120FS for power and flies (well) at half throttle.



After all the flying was over they served Etouffee, green beans and boiled new potatoes. All you can eat and I did. After we ate and darkness descended we started the night flying, which lasted about an hour, and then we headed for Harrah's in Lake Charles. I have never seen so many crazy people in all my life. Needless to say I had temporary insanity and joined them long enough to go back to the motel almost broke.

When I got home after being gone four days I was totally pooped. It is just getting harder to keep up with those young folks.

September Fun Fly

By: Fun Fly Committee

The Fun Fly committee has selected events for the September 14th Fun Fly. The events have been used in previous Fun Flies but the Luck and Go and Blackjack have been modified. Food and soft drinks will be available again, but this time it's BBQ instead of hot dogs. Registration will start at 8:30 and flying at 9:00am with Brian Morris as the CD. The events are:

Alarm Clock Pylon:

1. Start engine and take off.
2. Circle pylons until all contestants are airborne.
3. Time starts when whistle is blown.
4. First contestant to pass the finish line after the second whistle blow is the winner.
5. Stay airborne until the CD tells you to land.

Luck and Go:

1. Start Engine.
2. Position plane for take off (use helper for safety).
3. Go to dice table. Pick up dice and roll until "7" is thrown.
4. At roll of "7" take off.
5. After lift off, helper must roll eleven before "Pilot" can land. Pilot must have flown at least a 360 deg circle during flight and must land upwind.
6. Shortest time from the first roll of the dice to wheel touch down wins.

Black Jack (21)

Two decks of cards are combined and shuffled. The CD is the "Dealer" and picks flight maneuver for event (i.e.; 2 loops, 1 loop & spin, etc.).

1. "Player" starts engine.
2. "Player" gets card from dealer with motor running (use helper for safety).
3. "Player" takes off and performs maneuver(s).
4. "Player" lands and stops plane with motor running (use helper for safety).
5. "Player" gets another card from "Dealer."
6. If Player's cards add to 21 (21 or Ace & face card are high) or less, "player" can "stand" or repeat steps 3, 4, & 5.

NOTES:

- a. If Player's cards exceed 21, player "busts" and is eliminated from event
- b. One-minute restart rule applies if engine dies.
- c. "Player" with highest hand wins, next highest is 2nd, next highest is 3rd
- d. Tie will "fly-off" a second "hand" for place standing

9/10/02: Ft. Bend RC Fundraiser for MD, Ft. Bend RC club field, Rosenberg, TX. Contact Sam Grice at 281-242-2342.

9/14/02: Texas City RC Club 3d Annual Poker Run Fun Fly & Swap. Call Phillip Riles at 409-945-6723 for more info.

9/20-22/02: Bomber Field Annual B-17 & Big Bird Gathering, Monaville, TX. Contact Bob Buckbee at 979-764-9067 for more info.

A Great Lesson

By: Hal Rosenberg

Subject: Dead Donkey

A city boy moved to the country and bought a donkey from an old farmer for \$100. The farmer agreed to deliver the mule the next day. The next day, the farmer drove up and said, "Sorry, but I have some bad news. The donkey died. "Well, then, just give me my money back." "Can't do that. I went and spent it already. "OK, then. Just unload the donkey."

"What ya gonna do with him?"

"I'm going to raffle him off."

"You can't raffle off a dead donkey!"

"Sure I can. Watch me. I just won't tell anybody he's dead."

A month later the farmer met up with the city boy and asked, "What happened with that dead donkey?"

"I raffled him off. I sold 500 hundred tickets at two dollars apiece and made a profit of \$898."

"Didn't anyone complain?"

"Just the guy who won. So I gave him his two dollars back!"

This boy grew up to be a senior executive at ENRON.

Upcoming Events

By: Editor

8/10/02: Propnuts Helicopter Fly-In, Crosby TX. Contact Lloyd Sullivan, CD, at 281-998-3377. Sponsor is Propnuts RC Club.

Club officers

President	Clay Bare	281-488-2992
Vice-President	John Boyle	281-630-4526
Treasurer	Dave Hoffman	281-476-5206
Secretary	Mike Goza	281-554-4016(H) 281-483-4695(W)

Instructors

Fixed:	(H)	(W)
Don Fisher	281-474-4942	
Mike Laible	281-474-1255	281-226-4192
James Lemon	281-557-1602	281-280-1267
David Hoffman	281-476-5206	281-479-1945
Clay Bare	281-488-2992	
Don White	281-488-1024	

Heli & Fixed:

Mike Goza	281-554-4016	281-483-4695
Preston Hunt	281-339-2525	713-359-5702
Steve Rhodes	409-948-2881	

Fun Fly Committee

Don Fisher, James Lemon, Brian Morris, Ray Randolph,
Charlie Teixeira

The R/C Flyer

Editor/Electronic Distribution

Charles Teixeira

Articles and Want Ads may be submitted to Charles Teixeira at 1711 Bowline Rd, Houston TX 77062 in hard copy or via e-mail (preferred) to cteixeira2@earthlink.net

To get the newsletter via e-mail go to www.jscrcc.org and click on the "Subscribe to Newsletter". Once you have subscribed you will automatically receive the newsletter each month. If you have been receiving the newsletter via snail mail, contact Dave Hoffman at dhoffman@flash.net and ask him to take you off the hard copy mailing list. If you have any questions concerning "Boomstrike" contact Preston Hunt at boomstrike@ev1.net. For issues that relate to the JSCRCC web site www.jscrcc.org, you can use webmaster@jscrcc.org, which will send email to Preston and Mike Laible.

Assembly, Posting, Distribution

Bob Blaylock

Club Homepage

www.jscrcc.org

