

The Temple Aero Modeler

The Official Newsletter of the Temple Aero Modelers Radio Controlled Aircraft Club

August 2012



This month's meeting will be held Monday, August 27th at 7:30pm at the Ronald McDonald House Meeting Room in Temple



CLUB INFO

*Club Meeting –
August 27th*

*Field Work Day
– September
15th*

*Combat –
August 26th*

*Combat –
September 16th*

2012 Officers

President:	Frank Sodek 773-8081
Vice Pres/Sec.	Larry Macie 291-4590
Treasurer:	Buster Hinkle 718-0243
Safety Officer:	Paul Horan 780-1274
Field Marshal:	Fred Huber 698-4777

Temple Event Schedule

Aug 26	Combat (rescheduled)	2pm
Aug 27	Club Meeting	7:30pm
Sep 15	Field Work Day	8:30am
Sep 16	Combat	2pm
Sep 24	Club Meeting	7:30pm
Sep 30	Fall Picnic/Last Combat	1pm
Oct 7	Fall Fun Fly	1pm
Oct 20	Field Work Day	8:30am
Oct 21	Poker Fly	10am
Oct 24	Last Beginners' Night	5:30pm
Oct 29	Club Meeting	7:30pm
Nov 17	Field Work Day	8:30am
Nov 26	Club Meeting	7:30pm
Dec 2	Don Cullison Memorial Christmas Toy Drive/Fly-In	1pm
Dec 10	Christmas Banquet/ Officer Elections	6:30pm

Instructors

Frank Sodek, Jr.	773-8081
Mark Cullison	773-9686
Paul Horan	780-1274
Doug Staines	541-2915
Lance Starzyk	760-8678
Fred Huber	698-4777



On The Cover

David Macek and his new 3DHS
Extra 300 SHP. 87 inch wing span
and powered by a 50cc DA engine.

Mark Cullison - Editor 773-9686
Frank Sodek, Jr. - Editor's Assistant 773-8081

On the web at: www.templeaeromodelers.org
Web Master: Mark Cullison
mcullison1@aol.com

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President's Report

by Frank Sodek



Woohoo, as I'm writing this, we've had a wet and cooler weekend – something that hasn't happened in a long time! I'm hoping that we've seen the last of the triple-digit temperatures for this year, it will certainly make flying more enjoyable.

Now that we're entering into September, the club activities will start increasing. Our Fall Picnic will take place on September 30th, which is also the day that the final rounds of combat flying occur (there's two more combat session before then, on August 26th and September 16th). Then October brings the Fall Fun Fly and Poker Fly. We'll discuss needed preparations for these events at upcoming meetings, and more details will be published in future newsletters.

Well I can't think of anything else meaningful to write about this month, so I'll save you all from any more of my BS!

See you all at the flying field,

Frank Sodek
fsodek@aol.com

Meeting Minutes (July 30, 2012 meeting)

The meeting was called to order by Club President Frank Sodek at 7:30pm. Three of the five club officers and six other members were present (VP/Secretary Larry Macie was present right before the meeting started, but was called away by a family emergency).

New Members/Visitors – None

Minutes from the meeting held in June were accepted as published in the July newsletter (motion made by Mark Cullison, 2nd by Fred Huber).

Treasurer's Report was read by Buster Hinkle, Treasurer; a motion to accept Treasurer's Report was made by Ed Weems and 2nd by Fred.

Safety Report – None, Safety Officer wasn't present.

Field Marshal's Report – Fred reported that the electric clutch on the riding mower broke off; he will take a look at it to see if it's repairable. The Field Work Day scheduled for August 4th was cancelled due to lack of rain (the grass and

weeds haven't grown since the last cutting).

Announcements – None

Old Business

Combat report – Participation in combat flying is still high (11 pilots at the last event). Current standings were announced.

New mower purchase – Frank hasn't purchased the new mower yet, but will buy it before the next Field Work Day.

New Business – Buster mentioned that he had received a letter from the Temple Daily Telegram asking for our participation again in the Partners in Education program. After some discussion, Frank made the motion to pay for the program again, Fred seconded and the motion passed.

Frank inquired about the *Model Aviation* magazine subscriptions to the Temple Public Library and Temple and Belton High Schools. For some reason the subscriptions have been dropped - Frank will research this further.

Trip Reports – Buster reported on his trip to the US Naval Museum in Pensacola, Florida, which also included watching the Blue Angels practicing their airshow routines.

Blunder Awards – There were two blunders nominated this month:

- 1) Larry Macie invited Frank to fly his electric foam plane but installed an uncharged battery in the plane. Frank took off but soon lost power and flew the plane into a tree, breaking a wing panel.
- 2) Fred had several planes flipped over and around by a dust devil at the field, causing damage to several planes.

Frank Sodek was declared the winner.

Meeting adjourned at 8 pm.

Minutes recorded by *Frank Sodek*
 Club President

Paul's Korn'r

Two hydrogen atoms meet. One says, 'I've lost my electron.' The other says 'Are you sure?' The first replies, 'Yes, I'm positive.'

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Treasurer's Report



Beginning Balance: \$6,850.55

Deposits:

Total Deposits: \$0.00

Expenses:

Ronald McDonald House.....\$25.00
 Fred Huber (food for scale fly-in).....\$41.03
 Fred Huber (mower fuel).....\$45.00
 Fred Huber (4 tubes for trail mower).....\$43.26

Total Expenses: \$154.29

Balance July, 2012: \$6,696.26

Submitted by *Buster Hinkle*

Club Treasurer

How to Bend Balsa

Paul L. Daniels (pldaniels.com) printed in the newsletter of the Feather River RC Modelers, Oroville CA

Quite frequently in building with balsa wood we need to bend balsa into a curved surface. For curves with fairly large radii, this can be done without any problem. When it comes to convincing balsa to bend around complex, varying, and tight curves (such as tail planes or wingtips), balsa has to be assisted into making these curves without crimping or snapping.

The reason why we choose to bend balsa around such curves is for a couple of reasons:

- Strength: Balsa is strongest when the grain runs the length of the wood.
- Finish: Sanding with the grain produces a smoother surface.
- Economy: It's cheaper to make a wingtip out of a strip of balsa than to use up a much larger sheet of balsa and having to discard the bulk of it.

The available methods of getting balsa to bend more can be broken down into sections: laminating, one-sided moisture/heat, chemicals, long soak.

With all bending operations it's suggested that you start out with the most flexible piece of balsa that you can obtain, typically this is referred to as A-grain balsa. Do not attempt to use C/quarter-grain balsa as it'll tend to split very quickly.

Stage 1: Getting the wood flexible

Laminating: The process of using laminating to make balsa curve around corners is based on the principle that a thinner sheet of balsa can be curved at a tighter radius. The radius of curvature limit varies between materials, but essentially it represents a percentage of compression (or tension), caused by the difference in curve radii between the inner and outer limits of the balsa. Thinner balsa will be able to be bent tighter before the same critical difference of curvature occurs.

Using the laminating process can be a fairly tedious one, but it does produce an appealing (to some) visual appearance. Laminating produces the strongest, but also heaviest, resulting form.

One-side moisture/heat: If you take a sheet or strip of balsa and dampen one side you'll see that in a few seconds that the balsa starts to curve away from the dampened side.

Conversely, if you apply a hot iron to the sheet of balsa, the balsa will curve toward the heated side. The reason why this occurs in both cases is because of a difference in moisture content in the balsa wood cells. The more moisture in the cell, the more it expands.

In the damp application, the damp side of the balsa expands causing the sheet to curve away. With the iron application, the moisture is driven out of the balsa cells on that side to contract and causing the balsa to curl in.

Chemicals: Sometimes you really need to get a piece of balsa around things are already too thin for laminating practically—the solution can sometimes be to chemically adjust balsa to bend. Clouded ammonia (water with ammonia in it) or Windex will make balsa especially flexible. The action by which this occurs is the breaking down of balsa cell walls. Interestingly some people have reported that using vinegar also works, the key appears to be to soak the material in a non-neutral pH substance.

For clouded ammonia, use a 50/50 mix with water. Caution: use this mix in a well-ventilated area. Ammonia can suffocate you. If you would rather not take the potential risk, consider using the long-soak method.

Long soak: If using chemicals such as ammonia or vinegar isn't your idea of a pleasant experience, you can soak the balsa in hot/warm water for an hour or more (depending on the thickness). The heat is useful to accelerate the absorption of the water into the cell structure.

(continued on next page)

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Stage 2: Setting the shape

Once you've made your balsa flexible, you can commence to shape it to your needs. For simple curves, such as cylinders, cones and such, you can simply apply the wood to the formers or suitable shape holder (having a good selection of tins, tubes, and rods help here) and tape/hold the balsa to the required shape and allow to dry. Even if you're using the framework itself to form the curve, do not attempt to glue the balsa at this stage. Wet balsa and glue do not work together. Wait until the balsa is completely dry. Be forewarned that this sometimes can take a day or two in the cold weather. When you remove the balsa from its former shape holder, you'll notice that it tends to spring back a little bit, that is okay, it's normal. You can now glue your balsa to the airframe.



District VIII Celebration of Flight and 12th Annual J. H. Rice Memorial Fly In

September 29 – 30, 2012

Registration Starts at 7:30 am

Old Kingsbury Aerodrome

Kingsbury, Texas

**"Open Fly-In For All Airplanes"
Control Line Venue Available**

Memorial Service at 12 Noon Saturday
AMA General Membership Meeting and
Texas BBQ at 5 p.m. Saturday Evening
Free to AMA Members Non- Members \$ 10 per person

Visit with Bob Brown AMA President

\$20 Landing Fee (Includes 1 Pilot Lunch on Saturday)
HOSTED BY: TRI-CITY FLYERS #850 WWW.TRICITYFLYERS.COM

**"Raffle Prize"
Provided by Aeroworks Hobbies**

"Lots of Pilot Prizes"

****Hotels: Comfort Inn & Suites-Event Hotel (Exit 610 Hwy 123) 830-372-3990 No Pets
Days Inn (Exit 610- Hwy 123) 830-392-0860 LaQuinta Inn & Suites (Exit 607 Hwy 46) 830-372-0567
RV Parking Available- No Hookups

Gary Rice CD
(210) 286-2717
Email: BraveGary2@yahoo.com

Linda Rice
Event & Vendor Contact
(210)219-4421
lmrice@satx.rr.com

Frank Simas, Asst. CD
(210) 908-9160
Flyingfrankie66@gmail.com

110 to Exit 620 (10 mi. East of Seguin) Turn N on Hwy 1104 for 1.5 mi
Location: N29° 38.038' W97° 48.685'

Mark Cullison - Editor
218 Tanglewood Rd
Temple, TX 76502

Combat – August 26th
Meeting – August 27th
Field Work Day – September 15th
Combat – September 16th

"The Temple Aero Modeler Newsletter"

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