

September 1993

The News Letter of the *Manned Space Center Radio Control Club*

President's Corner

David Tadlock

Don't miss the next meeting. We are going to be talking frequency control - pulling two pins or one. Do your research on the 23 channels apart and single conversion receivers. Be prepared for some lively discussions. In addition to the discussions on frequencies at our September meeting, we need to start thinking about the next few months. In October we will need to conduct our elections which means that we will need to set up a nominations committee like we did last year. We will need to know if you are interested in running for office. If you are, you will want to contact the nominating committee so that they can get you on the list.

Keep bringing those new planes. The August meeting did see some fine planes. We would really like to see your new one at the September Meeting.

Fuel: We have a fresh order of fuel. If you are running low, give the "fuel team" a call and they will get with you at the field, the meeting, or at their houses.

In November, we will have our Auction. This time we will even try to tell everyone the real day - the first time. For this event, we will need an auctioneer, an auction organizer, and supplies for the auction. If this is your calling, please get with one of the club
(continued on Page 2)

Words From The VP

Ed Copeland

Thanks to David Dale for filling in for Debbie Rihn at the last meeting. David's presentation on full scale and model cloth covering techniques was interesting and entertaining. It is clear that, in order to get a scale finish, a visit to the local airport would indeed be helpful in providing examples of the correct finish effect. Debbie has promised to visit with us in September. I am looking forward to that.

**Next Meeting
This Thursday
September 9th
7:30 PM
Clear Lake Park Building**

It was nice to see some airplanes at the meeting. Congratulations to Paul Ellis for winning the trophy with his Ultimate Bipe. Very nice job, Paul. Keep bringing those airplanes in that is what it is all about.

I want to encourage all of us who are able to support the organized flying activities in the Houston and surrounding areas. These meets, formal or informal, provide a wealth of information and entertainment to any model builder or flyer. We get to see the efforts
(continued on Page 3)

Minutes from the August 1993 Meeting

Resha Hill - Secretary



David Tadlock called the meeting to order at 7:40 pm. The minutes of the previous meeting were accepted as published in the newsletter.

Old Business:

- Don Fisher is organizing the restriping of the field.
- Don Fisher is also working on mobilizing the impound. John Campo has provided the wheels.
- Members are reminded to complete the radio frequency survey. Forms have been available at the meetings.
- Dave Hoffman will distribute guest badges. David Tadlock will check with security about allowing visitors in JSC to visit at the filing field.
- The question surfaced again regarding frequency interference of dual and single conversion radios. Do we need to continue pulling two pins when flying? Come prepared at the September meeting for a discussion and vote.

New Business:

- It was brought to our attention by Tas Crowson that he had received a report of someone flying a plane between buildings 30 and 45. Please help monitor, it is our club that will be placed in jeopardy from such an incident.
- A request for volunteers of persons with expertise who can help Steve Chastine who is working at NASA on a flyback rocket booster model. Call 244-7000(W) or 338-2104(H)

Model of the Month:

Paul Ellis won Model of the Month with his Bluehawk.

Entertainment:

David Dale kept us entertained with an informative briefing on how to use fabric coverings.

The R/C Flyer

EDITOR

Jerry Hajek

ASSEMBLY AND POSTING

Daniel Hamala

THIS MONTH'S ARTICLES

Articles and want ads can be submitted to Jerry Hajek, 486-4722 or on 5.25" or 3.5" floppies in ASCII, Word Perfect, PFS, Word Star, Modem Xfer, or hard copy formats. "Support Your R/C Flyer"

(Pres from Page 1)

officers at the September meeting to help us get the preparations for this important meeting going - right away.

In December, the club will have the annual Gala. You might want to be thinking about this as well and what sort of an event that you might like this year. David Hoffman was a key person on this event last year. Check with him if you have some thoughts about how to do the party this year.

News from the field: A plane recently crashed on takeoff due to the dreaded down wind stall. The plane started near midfield, drifted slight crosswind, lifted off at the grass (crossfield), rolled up as the wind got under its wings, rolled upside down and crashed. On our field when there is a crosswind and you have to do a "short field" take off and landing, there is a temptation to try a takeoff from somewhere other than the downwind edge. Many of our planes, however, need long takeoff rolls prior to rotation and liftoff. Also, if you can manage a graceful climb, straight into the wind, prior to any turn, you will avoid a problem. Early use of the rudder to maintain heading and leveling the wings with the ailerons will keep you on the correct flight path into the wind. As you gain airspeed and altitude, you can then turned downwind safely. This will help you maintain the proper flight attitude and avoid a uncontrolled stall or crash. When you have an interesting story that may save your buddies some grief, please pass them along to me for the newsletter. **— See You At The Meeting—**

(VP from Page 1)

of all these people, some of whom have spent months and years on one airplane. I always come away from these things with new knowledge, interest and the ever present complaint of "too many great airplanes, not enough time". And every year I promise myself I will get around more next year. But I do have an excuse.

Finally, AeroDRAW is about ready to ship. The software has been evaluated by the distributor and the suggested improvements have been made. The code has been bullet proofed so that a user mistake will not crash the computer. A video is ready and will accompany the code and user manual at no extra cost and will show, in a hands-on style, exactly how to do everything that the program does. Distribution is scheduled to begin in about two weeks. The program will include the following modules:

FRAME Program module for drawing fuselage section views - based upon standard conic lofting techniques from full-scale aircraft design.

PLAN Module for drawing side elevation and plan form views. Includes a module called STATION which automates the task of inserting the station lines with the curves which define the overall shape.

LOFT This is the neat one which starts with a few stations and generates an arbitrary number of new ones which are automatically scaled to fit.

WingDRAW Will start with a root rib and a tip rib and will draw all the ones in between. It will handle washout, different root foil than tip, and will do elliptical planform wings.

AeroBASE This is a data base without numbers. I call it a visual data base. To use it one only has to point and click. The program picks up the dimensional data from the drawing itself and performs the tasks of scaling to insure that the three views match.

All of the modules are point and click style. The user is not required to manipulate numbers. There are no

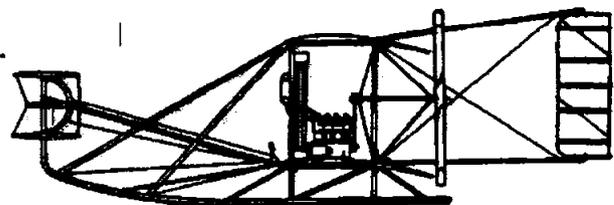
pull down calculators or outside calculations. It is all done within the program and is very automatic. It is very fast and easy to use. If anyone would like more information on AeroDRAW please call me at 326-3166. I will be delighted to answer any questions. We intend to put together a short "how to" demonstration on model aircraft drafting using CAD. Please give me a call if you are interested. Now, for a little while, I get to go cut some balsa and smear some paint.

—See you at the field—

For Sale / Want to Buy

New OS120 Surpass FC -\$250
 New Futaba FP7AUF -\$245
 Good Flying Condition Cap 21 with HB60,
 Futaba 6FG (FM conv, gold stickered) -\$245
 Beautiful, Low Flight Aeromaster with
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Rossi .40 (racing) -\$75
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 Futaba 7FG Gold Sticker -call
 Futaba S48 servos -\$5 each
 Call Michael 480-1320(H) 480-4191(W)



Want To Buy a trainer airplane and radio.
 Norman Allen 326-4279(H) 33-6306(W)

The R/C Flyer

130 W. San Augustine
Deer Park, Texas 77536
(713) 479-1945



RAY RANDOLPH
16827 HOLLY TRAIL DRIVE
HOUSTON, TX 77058

September 1993

Fuel for Sale

Jim Brock 334-1715
John Campo 488-7748
Charles Copeland 532-1570
~~Tae Crowson 474-9531~~
Don Fisher 474-4942(H) 483-2157(W)
Wayne Green 484-3151
Don White 488-3151

Instructors

John Campo 488-7748
Charles Copeland 326-2360
Paul Ellis 480-3893(H) 488-9878(W)
Don Fisher ~~474-4942(H)~~ 483-2157(W)
Mike Goza (Heli and Airplane)
554-4016(H) 483-4696(W)
Wayne Green (Heli) 484-3151
Jerry Hajek 486-4722(H) 246-4312(W)
David Hoffman 476-5206(H) 479-1945(W)
David Tadlock (Glider) 481-5227