

June 1993

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

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## President's Corner

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David Tadlock

Keep bringing those new planes. The May meeting saw a beautiful Ultimate Biplane that Mike Goza had almost completed. The pilot is a pilot Troll. This is a beautiful plane - a typical Mike job. We look forward to seeing it complete. The surprising thing is that it was the only plane there and since it wasn't finished yet, Mike didn't offer it for contest. This is certainly a way to stretch our trophy budget.

**Field Safety:** Now that the weather is good, although sometimes it is good and windy, and the days are longer, many of us are taking advantage of the flying opportunities. It is the right time for us all to think of safety and courtesy at the field. Of the many things that can be urged, we want to remind all of you of the significant dangers of flying alone. If at all possible, try to arrange for a buddy to fly with you or act as your pit crew to avoid the unfortunate.

At the June meeting, we will hear the results of a safety committee review of flying at our field. Several topics will be addressed by this committee of our club officers and instructors in a working session in May. The committee will review the type of instruction given to students for coping with emergencies. The group expects to review our practice of selecting active runways and the challenges of takeoffs and landings with cross winds. Having had my share of being chased by out of control planes and even chasing others with my out of control planes, I  
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## Words From The VP

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Ed Copeland

Thanks to Jim Akkerman for entertaining us last month with his "Advent" project. Jim is the kind of person many of us modelers can appreciate for his innovative ideas and his ability to think a project through to the end. The unique control concept for his returnable launcher and spacecraft will be a challenge to model and should provide an education in stretching the use of our existing radio control gear. I will make an effort to track his project for all of us to enjoy.

**Next Meeting  
This Thursday  
June 10th  
7:30 PM  
Clear Lake Park Building**

On the subject of the incident Dave Tadlock reported concerning the renegade rocketeers, it is obviously important that we follow the rules at the field to the letter. The most important argument that we have as a group is that we have recognized the dangers and risks, we have organized to manage these dangers and we do indeed follow our own rules. We must be careful not to become more visible to people who are  
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# Minutes from the May 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:

-The new RC sign has been installed at the flying site. It looks great, thanks to Don Fisher! It was brought to our attention that the name of the club on the sign says JSC instead of MSC.

-Dave Hoffman announced that the glasses are in for those who ordered, and there are extras for anyone who may want to buy a pair.

-Don Fisher reminded club members that if you put up the canopy and leave while others are still enjoying the shade, to please delegate the responsibility of taking the canopy down.

### New Business:

-Dave Hoffman has plastic badge covers available for anyone who needs to replace worn out holders.

-A discussion was held by David Tadlock regarding an incident on 22 April with some rocket launchers. Evidently, launchers were unsafe for the pilots and alcohol was on the premises. David reported the situation to JSC security. Security and David visited with the folks. David received a letter after this occurrence from JSC and is working on a response.

### Model of the Month:

Ray Randolf accepted a Model of the month trophy for April.

### Entertainment:

Jim Akkerman, a NASA Rocket Scientist, Briefed us on a future launch system. Jim would like club members to contact Ed Copeland if interested

in participating with him on building a model.

Refreshments for June will be brought by Jeff Longmore.

## The R/C Flyer

EDITOR

**Jerry Hajek**

ASSEMBLY AND POSTING

**Daniel Hamala**

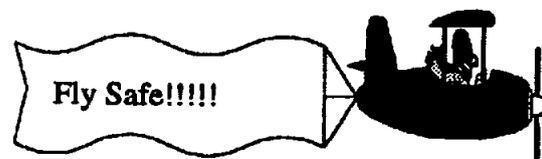
### THIS MONTH'S ARTICLES

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"

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look forward to working many of these issues. We look forward to bringing solutions to the meeting for your consideration and hopefully will not "fix things that ain't broken".

For what its worth: A friend of mind who "runs boats" said that they often need super strong starters for their engines. Several of their guys are switching over to motorcycle starters. These little hummers are cheap (\$15 at a salvage yard) and super strong. Apparently the Honda 750 starters are in great supply but should be checked on a battery before you drive off from the salvage yard. The starter cones have to be reamed out a bit to fit over the splined shafts and set screws drilled and tapped to grip into the splines. He says that most of their big engines not only get "turned over" but actually are spun up so fast that they usually slow back down when you take the starter away. If you need something strong and don't mind a lot of trial and error adapting the power harness and hub, you might want to give it a try.



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placed under pressure to reexamine our situation, particularly if that visibility is of a negative nature. Our record of managing our own activities by following previously agreed safety related guidelines could make a major difference in settling any dispute over user rights. We must also show a willingness to share whenever it can be done under a set of mutually agreeable safe conditions. Otherwise we are risking a situation where the center may feel that some sort of outside supervision is the only solution. That road would eventually lead to total loss of control of the field. Finally, thanks Dave, for handling the incident the way that you did. We appreciate your time and efforts in dealing with such an unpleasant situation.

Dave Hoffman has received a shipment of the sun glasses we ordered and they work great. The price is \$11 and there are a few pair not spoken for. Call Dave for more information.

Thanks to Mike Goza for bringing his new Ultimate Bipe for us to see. He promised to bring it again when the cowl is painted and the new landing gear and wheel pants are installed. That should be an aerobatic monster with the YS four stroke engine. Nice job Mike.

### CAD Notes

Some of you may have seen the two volume set of scale three-view drawings by Paul Matt. They are published by the Aviation Heritage Society. The drawings are very nice and contain a lot of detail as well as technical notes and design information. They are also available as individual drawings in larger sizes. These drawings are available on PC disk in the form of TIF scanned images through Bill Windsor at Windsoft Co. Bill markets "Scanover" which is a program that allows scanned images to be used in DesignCAD for the purpose of developing CAD aircraft drawings. I have spent a great deal of time working with several of the



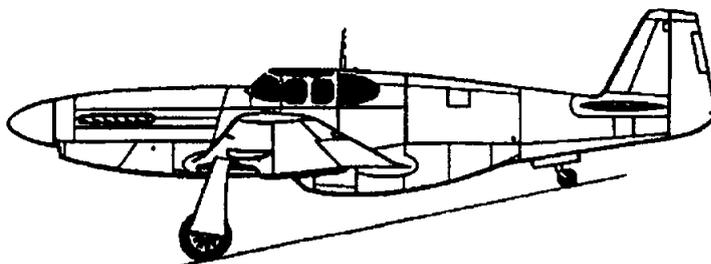
Paul Matt drawings, including the following: Waco YMF5, Republic P47, North American AT-6 Texan, and, in more detail, the Messerschmitt ME 109-E3/4. Use of these drawings is an excellent way to start a scale design project because of the detail in the views, however, I would offer a word of caution. Every one of these drawings that I have studied has been less than perfect in the fuselage section views. It appears that Paul Matt simply "eyeballed" the section views rather than going through a complete lofting exercise. With a little research and some effort this can be remedied. This is the exact problem that led to the development of software to automate the generation of accurate section views. Our software is designed to work together with Bill Windsors "Scanover" in such a fashion as to generate section views with the errors filtered out of the process. Please give me a call if you are interested in hearing more about this.

By the way our software, called "AeroDRAW", will appear in the magazines by late summer and will be available for shipment by September of this year. Please contact me if you have further questions or any comments on the subject. I am eager to fine some CAD users who are interested in working in this area.

## For Sale

Rossi 40-FI ABC  
Great Planes on-board glow driver with charger  
Ace Nilite-3 glow igniter (new) with charger  
Rom-Air retracts (tri-gear) 40/60 size  
80" PT19 kit

Call Dick Centnar 488-5489



## *The R/C Flyer*

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



RESHA J. HILL  
2305 RAMADA  
HOUSTON, TEXAS 77062

**June 1993**

### ***Fuel for Sale***

Jim Brock 334-1715  
John Campo 488-7748  
Charles Copeland 532-1570  
Tas Crowson 474-9531  
Don Fisher 474-9531(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)  
David Fennen 557-5866  
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) 246-4472(W)  
David Hoffman 476-5206(H) 479-1945(W)  
David Tadlock (Glider) 481-5227



# GLIDER FUN FLY CONTEST

FOR MSCRCC CLUB MEMBERS

June 12, 1993 REGISTRATION 10:00AM (Rain Out Date June 19th)

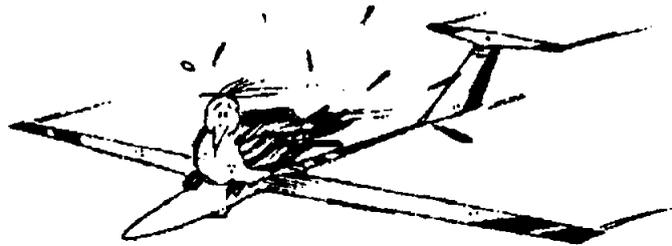
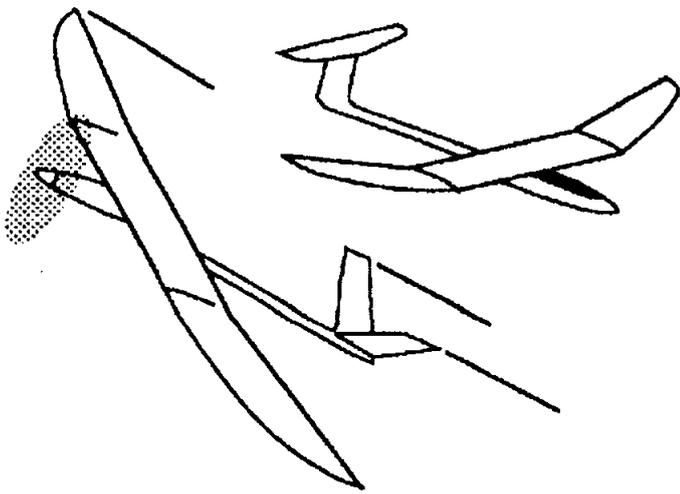
NO ENTRY FEE

EVENT TO BE FLOWN : 8 MINUTE ADD-EM-UP WITH LANDING POINTS.

1. YOU WILL HAVE THREE FLIGHTS (per round).
2. THE OBJECT IS TO GET A TOTAL CUMULATIVE AIR TIME OF EXACTLY 8 MINUTES FOR THE THREE FLIGHTS.
3. YOU WILL RECEIVE ONE POINT FOR EACH AIR SECOND NOT EXCEEDING 4 MINUTES PER FLIGHT.
4. YOU WILL LOSE ONE POINT FOR EACH SECOND ANY SINGLE FLIGHT EXCEEDS 4 MINUTES.
5. FOR EACH SECOND THE TOTAL OF YOUR THREE FLIGHTS EXCEEDS 8 MINUTES YOU LOSE ONE POINT.
6. THERE WILL BE A LANDING ZONE IN WHICH A PERFECT SPOT LANDING WILL GIVE YOU AN EXTRA 100 POINTS PER LANDING, WITH GRADUATED LESSER POINTS DEPENDING ON HOW FAR YOU ARE AWAY FROM THE SPOT. POINTS ARE GAINED FROM A CONTROLLED LANDING, NOT A CRASH!
7. IF ANY PARTS FROM YOUR AIRPLANE COME OFF AFTER LANDING, YOU WILL RECEIVE NO LANDING POINTS. YOU MAY REPAIR YOUR PLANE AND CONTINUE THE CONTEST.
8. TWO ROUNDS OF THE THREE FLIGHTS WILL BE FLOWN. THE CONTESTANT WITH THE HIGHEST CUMULATIVE SCORE, FLIGHT AND LANDING POINTS, WILL BE THE WINNER. 1ST, 2ND, AND 3RD PLACE PRIZES WILL BE AWARDED.

THIS IS A FUN EVENT AND CAN BE SUCCESSFULLY FLOWN BY THE MOST UNSOPHISTICATED AIRCRAFT, POWERED OR OTHERWISE. ALL AIRCRAFT TYPES WILL BE ACCEPTED IN THIS EVENT. IF POWERED, YOU MUST SHUTDOWN YOUR ENGINE FOR THE GLIDE AND LANDING.

JERRY HAJEK  
Contest Director



## **GLIDER FUN FLY**

*For MSC/RCC Club Members*

**NO ENTRY FEE**

*Saturday, June 12th*

**Registration begins at 10:00 AM**

*(Rain out date will be Saturday, June 19th)*

### **8 MINUTE ADD-EM-UP WITH LANDING POINTS**

The objective is to get a total of 8 minutes of air time with three flights. No one flight can be longer than 4 minutes. There will be a landing zone where a perfect spot landing will gain an extra 100 points.

This is a fun event and will not be limited to only gliders. Anything that can be controlled during a glide (power off) can enter the fun fly contest. This event can be flown by the most unsophisticated doggy lead sled glider, powered or otherwise. This is a good way to see gliders (or anything who's engine can be shutdown during the glide) in action in a fast paced event. The scramble at the landing circle can be quite a show. Get those gliders and what ever else you have ready for the June 12th event. 1st, 2nd, and 3rd place prizes will be awarded.

**See the reverse side of this flyer for contest rules**

