

July 1998

The Newsletter of the *Manned Spacecraft Center Radio Control Club*

President's Corner

Mike Laible

If you haven't heard by now, the field is open for flying. If you didn't know it was closed due to dry grass conditions, don't worry about it, it's open now. I did notice that the 7-19-98 JSC News Roundup published the exact letter terminating Model Aircraft flying. I guess until I hear otherwise, the email from Mr. Elmer Johnson supersedes the closure letter. The letter in its entirety:

"Michael, we understand the community outreach aspect of your activities and appreciate your getting us involved early. By adhering to Mr. Robinson's requirements below, the MSC RCC will be permitted to continue activities in the field west of Bldg 14. Thanks for the cooperation.

Elmer Johnson, Chief, Occupational Safety and Quality Assurance Branch"

Anyway, we have water and a fire extinguisher for grass fire hazards. Please be careful and do not smoke or drive your car onto the grass. In addition, spark ignition engines are prohibited until further notice (or RAIN). The complete restrictions are noted in the minutes.

I sent in the pavilion plans to the proper authorities.

As soon as I find out something I will let everyone know.

I will miss the July meeting due to the fact I will be in Muncie Indiana enjoying the scale NATS. This should be a wonderful time and I will be going with Kellan and my father. I enjoyed it the first time and will surely enjoy it more this time. One year in the near future I will be a participant. Maybe the Vultee V1A. I will make sure I will take plenty of slides for the September meeting. Also, on Saturday, June 20th, Kellan flew his Super Sportster that he won at the Christmas party. Kelan assembled this plane all by himself. I assisted in a few hour correction marathon the night before, but that was it. Good job Kellan. He is currently assembling a Midwest Citabria

It was a thrill to show off the Bearcat. It is really starting to move right along. I have it primed and will be ready to paint in a couple of weeks. Have all the fuel lines connected, and muffler installed. I have been thinking about the cooling of the engine. Charlie Stevens suggested to close off the cowl and only leave a large enough opening for the piston fins. I started thinking about this. I was going to leave the cowl open and then move the air to the exits via shrouds. This probable would not work. Remember the old mass continuity equation: $V_1 * A_1 = V_2 * A_2$ (simplified, V=Velocity, A=Area). So one can see that if $A_1 > A_2$, then $V_2 > V_1$. Now what happens is that the propeller does not have the energy to push the air through the smaller opening once entered from a larger opening. This would be


called a nozzle. However, once the air enters the smaller hole (Charlie's suggested opening) at a high velocity, it can exit the larger hole (at the rear) at a slower velocity. This is called a diffuser. So, I would agree with a smaller opening in the front. This has been a great exercise of the mind. I had to pull out the old fluids book. Also, I gave Kelan a quick lesson on converting rotational movement into linear (servo = pushrod). We modellers need to know a little about a lot. **I love this hobby!!!!**

In one of the mags I just read a great editorial on the items one needs to know to fly models, June RCM, Wizards or Wingnuts. May I quote:

"We ask ourselves to conquer half a dozen disciplines, from woodworking, to painting, to applied aerodynamics, without much, if any training." This is what it is all about.

I have noticed that several individuals have been having troubles with running their engines. Well, both times I pulled out a fresh jug of fuel and WOW, it ran great. So, let's check the fuel. With the hot weather and high humidity, low flying time, the fuel gets old and absorbs water. This leads me to my next story. Herman Burton and my self have been talking about the Powermaster Fuel Saver (It's nice to have a neighbor that is in the hobby!!!!). Well he bought some and presented me with an early present. I won't say anymore but you have to see this to believe it!!!!!! Hopefully he remembers to bring it to the July Meeting.

Also, I think the entertainment will be a tape on "How to Monokote". Herman informed me it is long, but maybe the slow parts can be skipped.

Well, this is about all for this month. Till next month, safe landings 

August Meeting

Frank Jenson has offered the club a show and tell with a very large model. So below you will find the message and instructions for the August Meeting.

"I will need a head count so I can get enough escort badges for those who don't have a NASA badge or a contractor badge to get in the gate. Those needing a badge will have to meet me at Bldg. 110 at 6:30 P.M. and we will leave there for Bldg. 220 at 7:00 P.M.

I will set it up the meeting for the 2nd Thursday of August the 13th. We have a short video and I will try to get one of the project engineers to speak about and answer any questions about the X-38 and I will give a demonstration on the Laser Tracker system. Pictures may be taken of the 132 and the 201 vehicle so bring your cameras."

Some Local Events

~~JULY 4--Bay City, TX (C) Flightfest '98. Site: Bay City Municipal Airport, Bay City, TX. Kelly Matchett CD, Phone:409-245-5741(day), 409-244-2934(eve) Email: flash5@iamerica.net~~

~~JULY 11-12--Crosby, TX (Cr) Prop Nuts July Big-Bird. Site: Club Field, Crosby, TX. Guy Miller CD, Phone:281-488-5920(day), 713-644-2525(eve)~~

~~JULY 18--Monaville, TX (C) Float/Fun-Fly Site: Bomber Field, Monaville, TX Michael Smith CD, Phone:713-981-47119(day), 281-997-6168(eve)~~

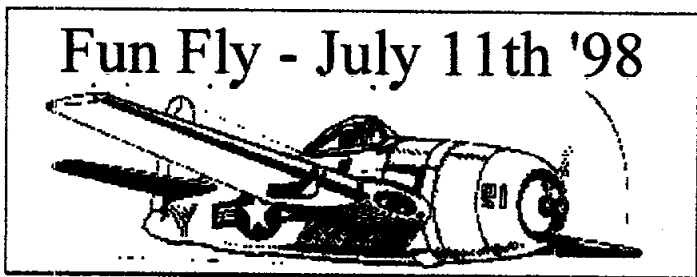
JUL 24-25-26--Rosenberg, TX (AA) South Texas Scale Championship & US Scale Masters Regional Qualifier for 511, 512, 513, and 520(JSO). Site: Club Field. Earl Haury CD, 22818 Whitewater Creek Katy, TX 77450 PH:281-392-9714. For info contact CD or Ed Clayman PH:800-356-7530 (8-4) or 281-530-5823(6-9). Sponsor: FORT BEND RC

AUG 1-2--Huffman, TX (A) Jetero RC Annual Scale Combat for 704(JSO). Site: Club Field. H.D. Cain CD,. PH: 281-446-1077. SASE for 704 exceptions. .25 cu in. max single .30multi. Profile fuse OK 5% L/SP. No max WT. Sponsor: JETERO RC CLUB, INC

AUG 15-16--Deer Park, TX (Cr) BPAC 8th Annual Summer Fly-In Site: Club Field, Deer Park, TX David Tanner CD, Phone:713-557-2481(day), 281-476-0160(eve) Sponsor: Bay Port Aero Club. Come visit our 8th Annual Big Bird Event. 80" span Monoplane, 60" span Bi-plane.

AUG 15-16--Houston, TX (AA) District VIII Pylon Race. Site: Scobee Field, Houston, TX Events: 421,422,424,428 JSO Mike Crotts CD, Phone:713-418-3951(day), 281-578-6183(eve)

SEPT 11-13--La Grange, TX (C) Greater Southwest Fan Fly, 16th Year. Site: County Airport, La Grange, TX Rick Schafer CD, 5321 Industrial Oaks, Austin, TX 78735 Phone:512-892-6908(day), 512-283-4251(eve) Sponsor: Austin Radio Control Association.



By Resha Hill

The June 13th fun fly was canceled and rescheduled to July 11th. The events stay the same.

LIMBO:

Pilot may choose any standing position for start. Pilot must take off and make 360 deg turn. Wheels can not touch the ground. Pilot must stay airborne

while height is being adjusted. Poles will be set approx. 20 feet apart. Crepe paper will be strung at 10', 8', 6, and then 4'. If there is a tie at 4', contestants will run-off at 3'.

CLIMB & GLIDE:

(Alternate event)Start engine, take off. Time starts at "lift-off", 20 second engine run to gain altitude, "Kill" engine at 20 second call. Advance throttle 5 seconds after "Kill" to verify engine has stopped. Failure to stop is disqualification. Remain airborne for longest duration. Time stops at "touch down". Longest duration wins

LUCK & GO:

Start engine. Position plane for takeoff. Go to "Dice Table", pick up dice & roll until "7" thrown. Contestant time starts when dice picked up. At roll of "7", take plane off, make at least 180 deg turn and land plane. Shortest time to "touch down" wins

ALARM CLOCK PYLON EVENTS:

Start engine, take off. Circle pylons until all contestants in air. Time start when whistle blows. First contestant to pass finish line after second whistle blows wins. Stay airborne until CD tells you to land.

Point Standings after one fun fly:

Jeff Longmore	7
Rob Bartel	6
Joe Parlanti	4
Boyce Sterling	1


Fun Fly **July 11th. July 11th.**

Guess when the next one is, **June 13th**
July 11th July 11th July 11th
July 11th July 11th July 11th
July 11th July 11th July 11th

JUL 19 **Next Meeting**
June 11th, 1998, 7:00 PM
Clear Lake Park Building

The R/C Flyer
EDITOR
 Michael R. Laible
ASSEMBLY, POSTING, DISTRIBUTION
 Bob Blaylock

Articles and want ads can be submitted to Mike Laible at 474-1255, on 3.5" floppies in ASCII or Microsoft Word, E-mail at mlaible@phoenix.net, or hard copy formats can be sent to: 2823 Sea Ledge, Seabrook, Texas 77586. Club Homepage at "http://www.phoenix.net/~mlaible/msc.html"



"Support Your R/C Flyer"

Minutes from the May
1998 Meeting



Minutes by Bill, the Secretary



General:

The June 11 meeting was convened at 7:21pm by the club president, Mike Laible.

Three visitors were among those attending the meeting:

Brett Yourgans Mark Brown Jim Casey

The minutes of the May meeting were corrected to read Ken White instead of Ted White under the Ballunar Festival item reported. Ken will provide walkie talkies to improve communications during

the flight demos. Ted White retired and left the area last year.

With that corrected the minutes were approved as amended.

With the Treasurer present his report was approved.

The President suggested that a raffle be held for two gallons of the Power Master fuel given to the club by Mr. Don Nix of Power Master fuels during his visit last month. Two dollar tickets were eventually sold to everyone that wanted to participate and a drawing held. Resha Hill drew her own ticket and Ray was very happy, immediately claiming one gallon for himself. Resha seemed to go along with it but.....



Old Business:

Flight Operations:

The extremely dry conditions caused the field to be closed because of fire danger. Mike met with the fire marshal to discuss what steps were necessary to allow flying to continue. The fire marshal recommended to JSC that flying could be allowed if the following precautions were implemented. *(I just inserted the actual email from Mr. Robinson below)*

I inspected the radio controlled aircraft flying field with Mike Laible on June 10, 1998.

I recommend that the MSC RCC be allowed to operate as normal, with the following safety precautions:

1. Provide a 30-40 gallon water supply for quick response to a grass fire. Suggest that the RC club provide a large plastic garbage can filled with water. Provide a lid for the garbage can and three or four plastic buckets to use to carry the water. The cans and buckets should be labeled in large red letters, "FOR FIRE USE ONLY". These items should be on hand permanently, regardless of the fire threat.
2. Have a type ABC or BC fire extinguisher on

hand and readily accessible any time fueling operations are being conducted. All members should be familiar with operation of this extinguisher. This also should be an ongoing requirement.

3. Have a minimum of two persons present when flying is being conducted. One person can serve as a fire watch. Mike said this was already a Club policy in case there was a medical emergency.
4. A cell phone should be available to the participants in case any emergency occurs. Post the JSC emergency telephone number in a prominent place. Otherwise, the nearest NASA telephone is located at the JSC gate at Second Street and Avenue E.
5. I will make periodic visits to the area during the summer to see if there have been any significant changes in the level of fire threat.

At the time of the meeting final approval had not been received but was expected. *(Late Breaking news: Approval was received in no small part do to the referenced made to our youth program)*

It was moved and seconded to spend the funding necessary to achieve compliance with the fire marshal recommendations.

A round of applause was given to Mike for a job-well done in restoring MSCR/C flight operations. Thanks, Mike!

Fun Fly:

Because of the delay in the return to flight approval and the required compliance with the above it was moved and seconded to postpone the Fun Fly till July 11.

Email Roster:

The club president wants everyone to provide him with an email address. Send responses to: mlaible@phoenix.net.

Ballunar Festival August 29-30:

Ken White again agreed to provide walkie talkies. The pattern demo pilots have not committed to fly as of yet.



New Business:

Work Day:

A field work day was designated for Wed 6/17 after work. Some work is necessary to comply with the fire marshal recommendation's and restriping and clean up is always in order. The wooden field box needs to be removed.



Model of the Month:

Ken White presented and won MOM with a "Scat Kat" quickie 500 design. He had built the airplane to compete in the Alvin club races and had fuel foaming problems. He has changed engines and cushioned the fuel tank. A Super Tigre 40R looks like adequate power. Neat airplane!



Program:

Mike Liable presented his Bearcat for everyone. The 80" span airplane has a ST3000 for power and weight in at 14.5 lbs. Wing area is 1166 sq inches. The airplane still needed paint and other finishing touches but should be superb flyer at a wing loading of: 28 oz/sq ft. This is Jerry Bates design using Century retracts, West Epoxy and Stits Feather Coat. Mike is concerned about engine heating and has a scale cowl ports to allow adequate flow. Charlie Stevens suggested blocking half the forward cowl with a scale engine to reduce incoming air flow. The theory that to much incoming air causes a turbulence in front of the engine clogging the flow of air through the cowl. The air trapped inside can't get out and your engine overheats in flight. Mike promises to solve all these problems and bring the completed airplane back to the club in August or September.

The meeting adjourned at 9:15pm.

Fuel for Sale

John Campo		488-7748
Tas Crowson		474-9531
Don Fisher	474-4942(H)	483-2157(W)
Wayne Green		484-3151

Instructors

John Campo		488-7748
Charles Copeland		474-1195
Don Fisher	474-4942(H)	483-2157(W)
Mike Laible	474-1255(H)	336-4718(W)
Mike Goza		
(Heli and Airplane)	554-4016(H)	483-4696(W)
Wayne Green		484-3151
Jerry Hajek	486-4722(H)	246-4312(W)
David Hoffman	476-5206(H)	479-1945(W)
David Tadlock (Glider)		481-5227

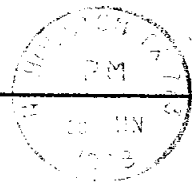
Club Officers

President	Mike Laible	474-1255
Vice-President	Charles Boehl	554-7116
Treasurer	Dave Hoffman	476-5206
Secretary	Bill Langdoc	482-2369

The R/C Flyer



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