

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

### **Pilot To Crew...**

Having been elected the pilot of this club for the next twelve months, "I'm as nervous as a novice pilot faced with his first take-off of a high performance biplane into a slight cross wind on a short field !!!".

Thanks to Captain Jon Vincent, the Steering Committee, the Satety Committee and the Active Club Members for taking needed action to bring this club's standards and organization to a higher level of safety and membership responsibility.

With the overhaul completed, flight testing over and the capabilities of this club proven, you have elected to hand the controls over to a new pilot and flight crew. We will do our very best but, we all need your support and continued participation to ensure smooth take-offs, precise maneuvering and "feather-touch" landings.

"So, a little throttle, a touch of rudder and into the wind we go !!!"

My major objective during the upcoming year is to promote the safety and enjoyment of our hobby which includes building, flying and for some, just talking about it. Each of us, in our own way, get that little something out of being part of this unique and most specialized hobby.

As president, I plan to continue with the Safety Committee and Steering Committee. The current members of these committees will be contacted to see if they wish to continue in their duties. If necessary, I will appoint new members accordingly.

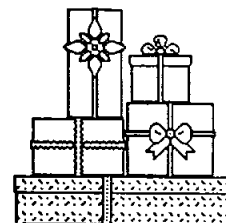
On the subject of safety, as of the 20th of December of this year, the new frequency configuration comes into effect. The color coding we have grown so accustomed to will no longer apply. Per the AMA, the frequency identification will be via two black numbers on a

(Continued Page 2)

Next Meeting  
**THIS Thursday,**  
December 10, 1987  
at 7:30  
in the Clear Lake Park Building  
**CHRISTMAS PARTY!!**



**Christmas Party!**  
at the next meeting,  
on the 10th of  
December.  
Everyone come and  
eat, drink, and  
whatever...





The Manned Space Center Radio Control Club

The R/C Flyer Page Two

### Pilot To Crew (Continued From Page 1)

white background and a red streamer at the tip of the transmitter antenna signifying that your frequency is for aircraft only. There is no "grace period", we have had one for the last five years.

Per the FCC and AMA, the following frequencies will be illegal as of December 20th, 1987:

72.080 - brown-white	72.400 - orange-white
72.160 - blue-white	72.960 - yellow-white
72.240 - red-white	75.640 - green-white
72.320 - purple-white	

For more details on the subject, dig out your June '87 Model Aviation and look at the "AMA News" starting on page 108 titled "AMA RC Frequency Utilization Plan".

At the November meeting, I handed out about twenty copies of two combined articles written by George Steiner in the May '87 and Dec '87 RCM magazine. The subject of R/C frequency interference and some practical solutions were presented. I will make some more copies and have them ready for our December meeting if you didn't get one. Attached is a copy of a recommended test from the May '87 article to see where your radio fits into all of this and what you may be faced as we approach the "1991" requirements.

It is my opinion that we, as an active flying club using a federal facility (who is keeping a close eye on our presence), should consider a frequency control management program.

The bottom line: set up a series of pilot stations or boxes 25 to 30 feet (20 feet min) apart in a straight line and keep the flight path parallel to and the same distance from the stations. The Prop Nuts club of the Highlands has this setup and it has worked well for them. The major difference now is that frequencies would be Delete - Next Page Previous Page is to minimize adjacent channel and 3IM interference.

I will bring this basic plan before the Safety Committee and recommend that a plan be prepared and set into operation no later than the end of January '88. Until then, please keep a good distance from the next fellow and maybe

limit the number of planes in the air to four.

I will be revising the frequency tree to handle the new frequency number scheme. It will be in place by December 20th, 1987. Get your radios ready and be legal when you start your holiday flying at our site !!!

Dennis R. Smerz

## INFO

\*All club members that have any club fuel stored at their places of residence please notify Dennis Smertz ASAP. He is checking as to how much should be ordered to replenish our supply.

\*The mailing address of the Newsletter editor is Tim Bond, 696 Pineloch #306, Webster TX, 77598. Phone 480-2556.

\*Look for more original artwork in next month's issue, ran out of space this time!

\*Thanks to **Mark Danna** for all his help in producing this newsletter!!!

# FUEL



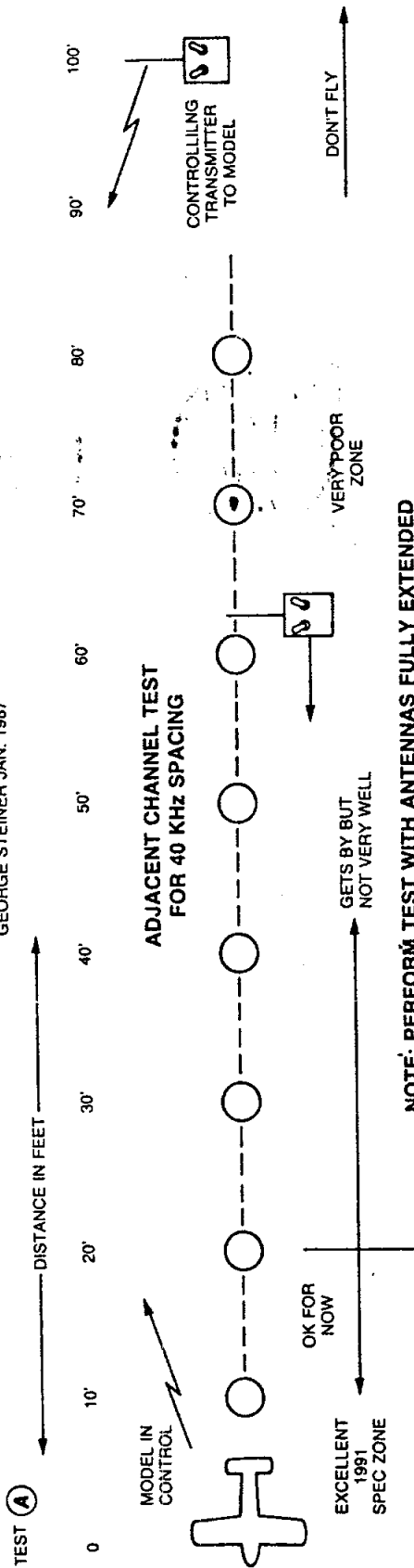
Don White has 5, 10 and 15%. Call 488-1024 before 10PM.

Dennis Smerz has 5, 10, 15% (mostly 5 and 10), and limited four stroke fuel available. Call him at 482-9431.



Even with all the stuff being written about adjacent channel and 31M rejection in the modeling press and being talked about in the pit area, most of us are just getting more and more confused. George Steiner, one of our Contributing Editors, and an electronics expert, has devised a simple, self-administered test which tells us whether or not we've got it and the heck with what it is.

**RADIO CONTROL TEST SHEET FOR 31M AND ADJACENT CHANNEL REJECTION**  
 GEORGE STEINER JAN. 1987



**NOTE: PERFORM TEST WITH ANTENNAS FULLY EXTENDED**

**INSTRUCTIONS:**

- (1) PLACE MODEL 100' DISTANCE FROM CONTROLLING TRANSMITTER.
- (2) WALK ADJACENT CHANNEL TRANSMITTER TOWARD MODEL AND RECORD THE POINT THAT CONTROLLING TRANSMITTER LOSES CONTROL. ENTER THE DISTANCE IN CIRCLE.
- (3) FILL OUT INFORMATION AT THE RIGHT. NAME, DATE, ETC.
- (4) DONT BLOCK LINE OF SITE WHEN WALKING BETWEEN THE TWO TRANSMITTERS.
- (5) BETWEEN 10' AND 20' IS AVERAGE RADIO RANGE. THAT'S OK. FOR 40 KHZ SPACING BUT NOT FOR THE 20 KHZ SPACING REQUIRED TO MEET THE 1991 SPECS.

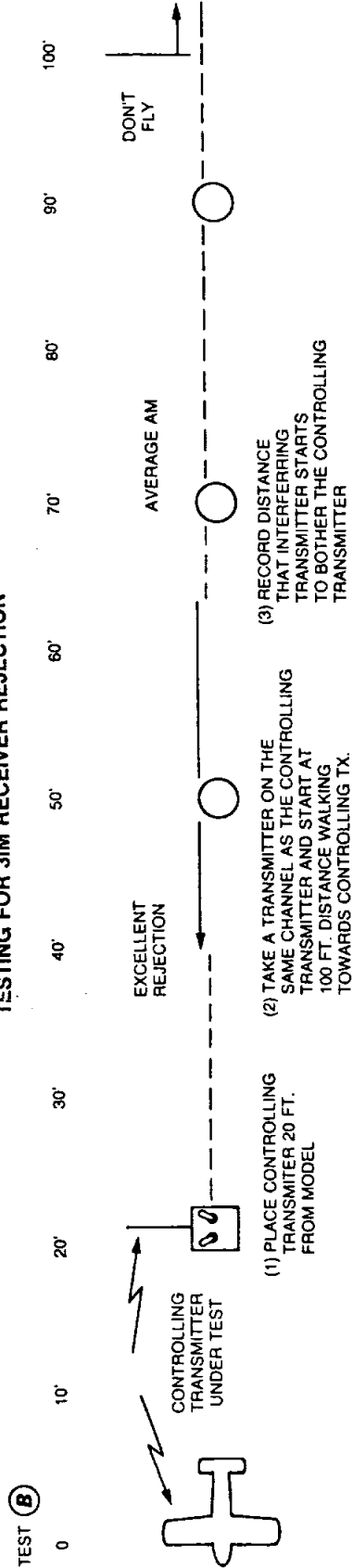
DATE \_\_\_\_\_

NAME \_\_\_\_\_

R/C EQUIP. \_\_\_\_\_

AM OR FM \_\_\_\_\_ FREQ. \_\_\_\_\_

**TESTING FOR 31M RECEIVER REJECTION**

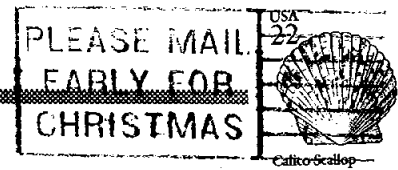


**NOTE: PERFORM TEST WITH ANTENNAS FULLY EXTENDED**

- (1) PLACE CONTROLLING TRANSMITTER 20 FT. FROM MODEL
- (2) TAKE A TRANSMITTER ON THE SAME CHANNEL AS THE CONTROLLING TRANSMITTER AND START AT 100 FT. DISTANCE WALKING TOWARDS CONTROLLING TX.
- (3) RECORD DISTANCE THAT INTERFERING TRANSMITTER STARTS TO BOTHER THE CONTROLLING TRANSMITTER



c/o TIM BOND  
696 Pineloch Dr. #306  
Webster, Texas 77598



PLEASE MAIL  
EARLY FOR  
CHRISTMAS

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46 LAZY LANE  
KEMAH, TX

246

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