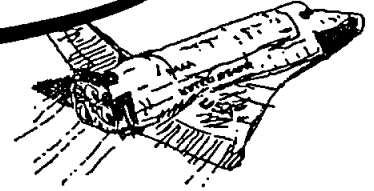


The **RCC** Flyer

April 1989



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

PILOTS, MAN YOUR PLANES!

Well, with the windy weather of the past month, there have been fewer hardy souls willing to fight the elements and get airborne, but the few who did make it to the field seemed to enjoy the milder (but breezier) weather. Hope the wind calms down so we all can get our planes into the air.

The Joint Scale Contest with Prop-Nuts RC Club is scheduled for May 20-21, and we have received some donations for prizes to be awarded (probably by raffles) to the pilots. Most of the donors also gave prizes for the last Joint Scale Contest. As of April 7, we had received prizes from Air Age Publishing (Model Airplane News), Futaba, Great Planes, House of Balsa, RC Modeler Magazine, Repla-Tech International, Sig Manufacturing Co., SR Batteries, Inc., W.E. Technical Services and World Engines. Be sure to patronize these fine companies, to show our appreciation for their support.

As requested at our last meeting, I checked with the Park management and have found that we can, if we wish, start our meetings at 7 PM instead of 7:30 PM. We will bring the subject to the floor for discussion at the April meeting; if you have a strong feeling one way or another, be sure to attend.

Dave Gilbert of SAM 82 has sent us a copy of their current newsletter, which contains a lengthy description of the contest scheduled for the NASA field on June 24 which is jointly sponsored by MSC/RCC and SAM 82. If space is available, the article will be reproduced in the newsletter for your information. If you have any interest at all in Old Timer planes, this contest is for you. You may choose to fly

NEXT MEETING
THIS THURSDAY
APRIL 13th
at 7:30

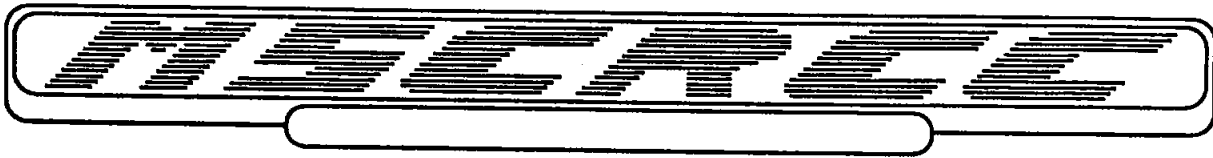
in the Clear Lake Park Building

in the contest, work in one or more capacities, or simply come and enjoy the spectacle. It will be something out of the ordinary for our club. The Prop-Nuts have invited any MSC/RCC members who do not wish to attend the Old Timer contest to use their field in Highlands on June 24, as guests of that club. We sure do appreciate the generosity of the Prop-Nuts for this, as well as many other, kindnesses.

Dave Thomasson has scanned the radio control frequencies at the NASA and has found interference on a number of the channels. He gave me notes on the affected channels, and I naturally have mislaid them (along with my original notes for this column). Perhaps Dave will give the information from the floor at the next meeting.

Keep'em flying!

Jim Brock



MINUTES OF MSC/RCC MEETING
Thursday March 9, 1988

The meeting was opened by president Brock at 7:40 pm. Minutes of the last meeting were approved as published in the R/C Flyer. Treasurer Hoffman read the Treasurer's Report.

Four visitors were welcomed and introduced, with invitations to join the Club. Three club members displayed their projects that were underway. David Fenner showed a nearly complete Super 230, Ivan Bonebrake showed a nearly complete quarter-scale Fairchild 26, and Jim Brock showed a barely begun Sig Kougur.

There were two entries for Model of the Month: David Shupat showed a recently completed Big Stick decorated in livid red with German WWI Maltese crosses on a white background and Mike Goza showed a new Schluter Longrange helicopter painted in metallic green with trim. Mike Goza won the Model of the Month award in a close vote.

Mike Goza presented the program for the evening; all about helicopters. He brought two working models and the specialized radio equipment that is required.

Old Business: A motion to approve the SAM contest for June 24 in conjunction with the SAM 82 group was approved. The field will be closed on that date to all except the contestants, but Dave Thomasson confirmed that MSC/RCC members are invited to fly on that date at the Prop-Nuts field in Highlands.

Dave Thomasson reviewed the testing of frequencies reported in the R/C Flyer, noting that the data presented in the newsletter were incomplete. A complete version of his report will be distributed with the April newsletter.

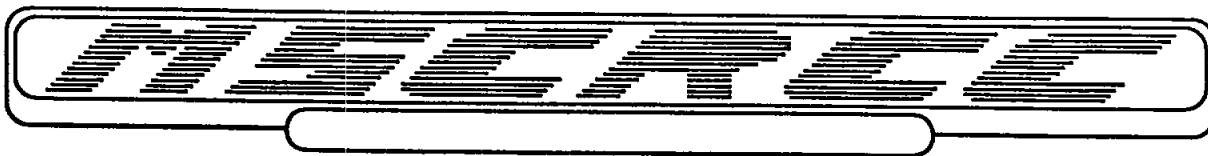
Dave Thomasson called for volunteers for the Joint Scale Contest in May.

New Business: Two suggestions were made for further thought. First, it was suggested that the remaining Red Max club fuel be sold at a discount to encourage its use before the Ritchie's Brew is made available. Second, it was suggested that we may wish to start our meetings at 7:00 pm in order to avoid the rush to meet the 10:00 pm curfew. President Brock said he would check with the Park people to see if it is feasible; no change would be made without a vote of the membership.

A motion was made and approved to hold the annual sailplane contest at the field on October 21, 1989.

Dave Thomasson raised the question of a formal training program for beginners, similar to one he has created for the Prop-Nuts club. An outline will be prepared for distribution with the next R/C Flyer.

The meeting was adjourned at 9:30 pm.



FROM THE PEN OF DOCTOR DOOM
(Dave Thomasson)

The nefarious Doctor is still alive, just been silent for a short period planning more deeds for the '89 flying season.

I have received, via Bert Striegler and Steve Archambault, some good news and some bad news. These two gentlemen ran some tests using a Regency MX-5000 scanner at two locations 35 miles apart in Northwest and South parts of Houston. They scanned all of the frequencies currently allocated to RC Aircraft (72 MHz). First, the bad news!

<u>FREQUENCY</u>	<u>CHANNEL</u>	<u>CODE</u>	<u>REMARKS</u>
72.030	* 12	00	Data
.070	14	0	Pager, voice on 72.075
.110	16	0	Voice on 72.115, weak
.150	18		---
.190	* 20	00	Voice, data
.230	* 22	00	Data
.270	* 24	00	Voice, music on .270; clear 5 KHz up or down
.310	* 26	00	Data, strong
.350	* 28	0	Data on .335 bleeds over onto .350
.390	30		---
.430	* 32	00	Data, very strong
.470	34		---
72.550	38		---
.590	* 40	00	Data, very strong
.630	42		---
.670	44		---
.710	* 46	00	Data, very strong
.750	48		---
.790	50		---
.830	* 52	0	Data on 72.825
.870	54		---
.910	56		Local report of problems, not seen on scanner

- * Monitored in Northwest Houston and found to be unusable.
- 0 or 00 Monitored in South Houston 35 miles from the * site.
- 0 Signal within 5 KHz. Unusable.
- 00 Signal centered on frequency. Unusable.

Now for the good news: Clear channels are 18, 30, 34, 38, 42, 44, 50, 54 and 56.

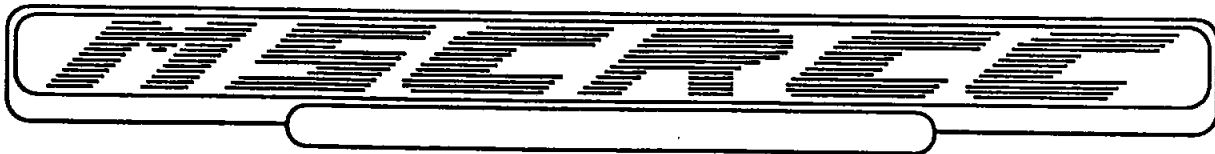
I am trying to arrange to have the same testing done on this side of town. If anyone has a programmable scanner capable of reaching the 72 MHz region, please contact me.

On to bigger and better things. As all members voted "Yes" to having the Joint Scale Meet at the Prop-Nuts field again this year, Dr. Doom naturally assumes you are willing to WORK to make it a success. I will be contacting a significant number of you to do various chores. We will need static judges, safety inspectors, raffle ticket sales people, cooks and many other thankless jobs that arise. So be prepared to work and PARTICIPATE on May 21 and 22 to make it a BIG CONTEST.

There are now a large group of students flying; we need all instructors to show up on weekends to help out!

That's all the news from Dr. Doom. He will look around and see if he can find some more good news!

(Editor's note : The above article is a complete repeat of last month's incomplete offering.)



LIST OF CONTEST DONORS THROUGH APRIL 7, 1989

The R/C Flyer Page Four

Air Age Publishing

- 2 Six-issue subscriptions to Model Airplane News
- 2 Boxes of Model Airplane News for distribution at the contest.

Futaba Corporation of America

- 1 Discount Certificate, 50% off any Futaba radio control system or accessories (retail price not to exceed \$400).

Great Planes, Inc.

- 40% discount form for purchases from Great Planes Catalog.

House of Balsa, Inc.

- 50% discount certificate for ZAP or Loctite products.

RC Modeler Magazine

- 2 Five Dollar Coupons for use in purchasing subscription, anthology books, etc.

Repla-Tech International

Small Drawings

- MiG-3 1 sh
- DH-4 3 sh
- Howard DGA-6 Mr Mulligan 1 sh
- Stilletto P-51D 3 sh
- Laser 200 1 sh

Large Drawings

- F-14A Tomcat 3 sh
- T-34 Mentor 1 sh

Sig Manufacturing Co.

Acknowledgment: they will ship to us-

- 2 Sig CA
- 2 Kwik Shot
- 6 Pkgs Easy Hinges
- 1 Set of Coolers

SR Batteries, Inc.

- 2 Ten Dollar Gift Certificates for application to SR Battery Pack

W. E. Technical Services

- 2 Five Dollar Gift Certificates for use in purchasing plans.

World Engines, Inc.

- Gift Certificate for \$15.



MEMBERSHIP TELEPHONE LIST

- | | | | | | |
|------------|-------------------------|------------|-----------------------|------------|----------------------|
| P 440-6317 | ALVAREZ RAFAEL | P 488-0443 | GOULD DAVID | P 488-6439 | PIPERT JR. ELVIN B. |
| P 480-9564 | BAKER JOHN KEVIN | P 488-0443 | GOULD II DEE L. | S 422-9663 | PORTER BOB |
| P 480-2578 | BAKER MIKE | I 554-4016 | GOZA MIKE | P 998-0013 | POWELL MARK |
| P 488-2641 | BARRY MICHAEL R. | P 554-4016 | GOZA SHARON POI | P 488-1304 | RASHID ALAN |
| P 487-0814 | BARTOS DONALD P. | P 484-3151 | GREEN WAYNE | S 482-7063 | RAY JIMMY N. |
| S 488-2382 | BASS CHRIS | S 486-4722 | HAJEK JR. JERRY A. | P 332-2318 | REED WENDEL T. |
| P 480-7514 | BEATTY GLENN E. | S 332-5343 | HALL DONALD J. | P 455-3861 | REINERT DAVID |
| P 488-1718 | BLANCHARD ANDY | P 479-7985 | HAMALA DANIEL | P 461-7621 | ROBERTS EDWIN W. |
| P 488-1718 | BLANCHARD DOUG | S 326-2986 | HAMMACK JERRY | S 480-3176 | ROBINSON II JESSE J. |
| P 482-7178 | BLAYLOCK BOB | S 480-3152 | HANSON MATTHEW A. | S 326-2385 | RODRIGUEZ JASON |
| P 482-7178 | BLAYLOCK CHARLES | S 486-6189 | HEITMANN GREG | S 326-2385 | RODRIGUEZ ROBERT |
| P 471-6320 | BONEBRAKE IVAN | S 472-3350 | HERRING GEORGE E. | P 333-3866 | ROSENBERG HAL |
| S 486-9153 | BOYKIN BEN M. | P 996-6929 | HOFACKER RON | P 486-1843 | SAKAI TOSHIHIDE |
| S 486-9153 | BOYKIN BRIAN M. | P 996-6929 | HOFACKER SUE | P 486-1843 | SAKAI TOSHIHIRO |
| P 688-2741 | BRANN ROBERT | P 480-8301 | HOFFMAN DAVEY | S 538-1179 | SCHWARZ ROGER |
| P 334-1715 | BROCK JR. SYLVESTER W. | I 476-5206 | HOFFMAN DAVID M. | S 996-0093 | SHIREMAN KIRK |
| P 486-8330 | BROCK STEPHEN F. | P 484-8022 | HOLT CHARLES P. | S 996-0093 | SHIREMAN KRIS M. |
| P 333-3103 | BROWN TIM | P 471-8540 | HOOSIER RAY | S 996-0113 | SHUPAK DAVID |
| S 480-2242 | BUFORD ALLEN T. | P 486-1455 | HUMPHREY TOM | I 482-9431 | SMERZ DENNIS R. |
| S 484-3621 | BURDA RICHARD | P 482-0452 | HUNT EVERETT L. | P 488-8118 | SNIPES JR. HAROLD R. |
| P 332-2281 | BURNETT BILL M. | P 482-0452 | HUNT MICHAEL J. | P 926-5356 | ST. JOHN MIKE |
| I 488-7748 | CAMPO JOHN A. | S 486-9499 | HUNT PRESTON | S 482-2094 | STEMBRIDGE BEN |
| S 332-5639 | CANEPA CARLOS | P 488-2467 | JOOSTEN RIGDON E. | P 554-5412 | STOVALL HUGH |
| P 523-5590 | CARLYLE DENNIS | P 480-1636 | JORDAN NOLAN | P 729-5652 | STRIEGLER BERT |
| P 523-5590 | CARLYLE ETHAN | P 953-7534 | JURGENS DAVID W. | P 479-1945 | STUART HEATHER A. |
| P 996-8078 | CASSOLA MARK | P 486-5807 | JURGENS FRANK D. | P 479-1945 | STUART MARGIE |
| P 488-5489 | CENTNAR RICHARD D. | P 326-5216 | KASTETTER JOSEPH W. | P 326-1194 | SYMONS GILBERT C. |
| 480-6674 | CHINAULT DALE | P 645-1886 | KIKER JOHN W. | P 540-3944 | TAMEZ JULIAN |
| J 532-1634 | CLUNE MICHAEL | S 480-5674 | KILLION JERALD | P 488-4412 | TEIXEIRA CHARLES |
| P 482-5540 | COMPTON JAMES | P 480-5674 | KILLION PATRICK | I 471-0642 | THOMASSON H. DAVE |
| P 326-3166 | COPELAND CHARLES W. | P 484-2500 | KUTCHINSKI DOUGLAS L. | P 471-0642 | THOMASSON PATRICA M. |
| P 326-3166 | COPELAND EDWARD L. | P 280-8298 | LAPPLE LARRY C. | S 484-2164 | VAN TRAN CHANN |
| P 326-3166 | COPELAND JAMES A. | P 280-8298 | LAPPLE MATTHEW C. | P 280-0273 | VINCENT D. T. |
| P 482-5351 | COPPER DONALD A. | P 481-9062 | LEE CHRIS | P 280-0273 | VINCENT JON V. |
| S 474-9531 | CROWSON TASWALL G. | S 280-0992 | LEVEQUE RICHARD C. | P 280-0273 | VINCENT R. A. |
| P 480-1650 | DANNA MARK J. | P 480-1320 | LEWIS MICHAEL K. | S 334-7203 | WARD JOHN S. |
| P 485-2078 | DAVIS DAVID E. | P 332-6446 | MAGILL LENNY | S 474-5661 | WEST MICHAEL P. |
| S 332-1468 | DIMAMBRO BRIAN L. | P 554-7192 | MANN SPENCER | P 488-1024 | WHITE DONALD J. |
| P 488-1972 | DUNEHEW JOHN | P 333-5536 | McAFEE CLINTON S. | I 332-6898 | WHITE KEN |
| S 474-4247 | DUNSEITH MICHEIL | P 333-5536 | McAFEE SCOTT | P 474-2214 | WHITE MARK A. |
| S 480-3839 | ELLIS PAUL | P 644-2525 | MILLER GUY V. | P 474-2214 | WHITE TED |
| P 326-2496 | ELTING JR. PHIL H. | P 326-1407 | MORRIS OWEN D. | P 488-1024 | WHITE JR. DONALD J. |
| P 326-2496 | ELTING SCOTT P. | P 480-2091 | NEUMAN BUTCH | S 554-4754 | WILLIAMS HENRY DEE |
| P 462-0779 | ERMINGER III DURWARD B. | P 480-2091 | NEUMAN CRAIG | P 482-8877 | WILLIS III JOHN C. |
| P 486-5618 | FARLEY CARL W. | P 496-0667 | NOLAN JOHN | S 482-8877 | WILLIS IV JOHN C. |
| P 947-9045 | FARRIS JIM | S 326-3042 | PALMER ANDREW A. | P 440-4166 | WILSON COREY |
| S 474-2152 | FENDLEY MATTHEW | S 326-3042 | PALMER JOHN | P 488-0402 | WING BYRON J. |
| I 488-4344 | FENNEN DAVID | S 486-9499 | PALMER SHANE | P 481-3549 | WOODBURY NEIL |
| S 488-4344 | FENNEN FRANK | S 480-4751 | PAYNE DON | P 471-6538 | WOOLDRIDGE JERRY |
| S 480-6051 | GALAN JULIO A. | P 333-5101 | PENNY JAMES W. | P 471-6538 | WOOLDRIDGE PHILLIP |
| P | GIBSON HOOT | P 484-7375 | PHAM BOB | P 534-6287 | WROBLESKI RONALD |
| P 532-1405 | GIBSON STEPHEN S. | P 488-6439 | PIPERT JON C. | P 644-4362 | YORK CRAIG |



-Jim Brock 334-1715
-John Campo 488-7748
-Dennis Smerz 482-9431
-Don White 488-1024

Instructors:

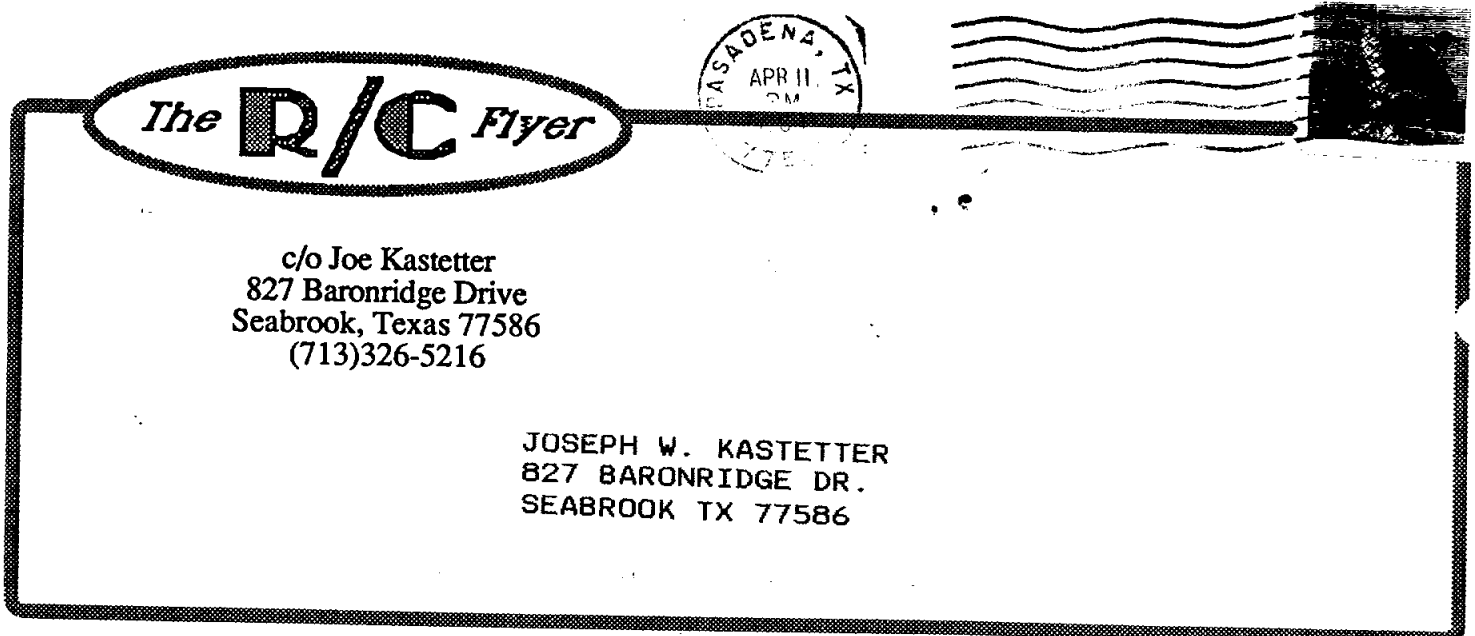
Dave Thomasson	471-0642
Dave Hoffman	479-1945
	476-5206
Dennis Smerz	482-9431
Mike Goza	554-4016

(Editor's note: The following item is reprinted from the current SAM 82 newsletter and is included for your information on their upcoming contest at our field.)

1989 SAM 82 CONTEST

You may remember that in the last newaletter it was announced that plans for a 2-day contest in October of this year were scuttled when it was learned that the SAM Nationals were moved back to October because of a change in site location. Usually, SAM Nats are held in July and present no problem with an October date. This time we had a direct conflict and it was decided to postpone any plans for a 2-day contest, deferring instead to the standard one day event. The 1989 SAM 82 contest will be held on June 24th at the MSCRC Club (Manned Space Center Radio Control Club) located at the NASA facilities in Clear Lake, Texas. The MSCRC Club has very generously made their field available to SAM 82 on the 24th of June. The initial schedule of events will be:

(continued below)



OLD-TIMER:

All classes combined (A,B,C), ignition and glow combined. SAM rules followed, i.e. 7 minute max with length of engine run from SAM rules for glow and ignition.

ANTIQUÉ:

One class of antique with engine run determined by respective SAM rules, i.e. ignition and glow fuel supply determined by weight of the model. 10 minute max per SAM rules.

1/2A TEXACO:

SAM rules, 15 minute max. (note: this class retains the 8 oz. wing loading, but all other classes are subject to the 10 oz. rule)

ELECTRIC OLD-TIMER:

Old-timer design, electric powered. Limited motor run; 7 minute max; time of motor run and any other special rules to be announced later.

Tentative starting time is 9 AM and trophies will be awarded through 3rd place in each event.