

DI 16772  
RANCKLO  
Arnett  
WARR

COSTA MESA, CA 92628  
P. O. BOX 1672



# The Society Column

EDITOR Donna Biddle 970-7207

- |            |                         |                  |                             |
|------------|-------------------------|------------------|-----------------------------|
| PRESIDENT  | Dick Rash<br>848-2181   | TREASURER        | Herman Hall<br>637-2704     |
| VICE PRES. | Fred Biddle<br>970-7207 | CONTEST DIRECTOR | Frank Chasteler<br>545-2185 |
| SECRETARY  | Jack Durham<br>968-7514 | GENERAL DIRECTOR | Frank Colver<br>546-9647    |

"The Oldest A.M.A. Sanctioned Soaring Club In The World"

DECEMBER 1984

Vol. 21 Number 12

## JANUARY CLUB MEETING

The January club meeting will be held on Wednesday, January 2, 1985, at 7:30 PM at the Consolidated Water District Office, 1965 Placentia Ave., Costa Mesa. This will be the latest date for payment of 1985 Dues and still be eligible for the renewal rate.

## FEBRUARY CLUB MEETING

The February club meeting will be held on Wednesday, February 6, 1985, at 7:30 PM at the Consolidated Water District Office, 1965 Placentia Ave., Costa Mesa. In order to be included in the Harbor Soaring Society's 1985 Club Roster, dues will have to be paid by this date.

### EDITORS NOTES

This is my last paper for 1984. I would hope and encourage everyone to give Donna Biddle all of the help you can next year in the way of news and articles. It has been a fun and fast year. Being Editor has provided me a good insight into what is going on around us in this hobby. It makes me proud to be a part of this club. To each of you I wish a Happy Holiday Season and a Prosperous New Year.

### ROSTER CHANGES

Please add to your roster and welcome:

John Whyte  
10051 Forrestal Dr.  
Huntington Beach, Ca. 92646  
963-8802

Will Conrad  
9359 Shrike Ave.  
Fountain Valley, Ca. 926708  
964-0347

Bruce Springer  
15761 Primrose Ln.  
Westminster, Ca. 92683  
894-9246

### H.S.S. 1984 YEAR-END STANDINGS (Best 7 of 9 Contest Scores)

<u>CONTESTS</u>		<u>SCORE</u>	<u>CONTESTS</u>		<u>SCORE</u>
1. F. Chasteler	9	6956	20. W. Bradney	4	2947
2. T. Chasteler	9	6677	21. R. Bradney	4	2706
3. Durham	9	6631	22. Lee	4	2570
4. Biddle	9	6546	23. Grimm	3	2130
5. Smith	9	6511	24. Neverdosky	2	1821
6. Ritschke	9	6495	25. Salisbury	2	1690
7. Amies	8	6483	26. Martin	2	1664
8. Mitchell	9	6329	27. Root	2	1513
9. Frye	9	6307	28. Childs	2	1498
10. Hall	9	6141	29. Rosenberg	2	1341
11. Poulsen	7	6042	30. Colver	1	941
12. Cron	9	5747	31. Beckman	1	892
13. Pantzar	8	5716	32. Stemen	1	885
14. Anderson	9	5653	33. Randolph	1	884
15. Rash	7	5533	34. Pomo	1	655
16. R. Gerbin	5	4810	35. Dow	1	628
17. B. Gerbin	5	4716	36. Myhre	1	302
18. White	4	3820	37. Sodaro	-1	155
19. Richardson	4	3556			

### COMING EVENTS

JAN. 2 Wed. General Meeting  
6 Sun. 1st Thermal Contest C.D. Frank Chasteler  
12 & 13 International Modeler Show- Pasadena Center  
FEB. 6 Wed. General Meeting  
9,10,11 ELEVENTH ANNUAL ASTRO ELECTRIC CHAMPIONSHIPS  
17 Sun. 2nd Thermal Contest  
Mar. 6 Wed. General Meeting  
9 Sat. 3rd Thermal Contest  
16 & 17 PSS Rose Bowl Soaring Festival  
Apr. 3 Wed. General Meeting  
? 4th Thermal Contest  
13 & 14 Fresno Dr. Pepper Classic  
? Electric Contest

THERMAL CONTEST I  
(C.D. F. CHASTELER)

DATE: Sunday, January 6, 1985  
TIME: Sign-in 8:30 AM  
Pilot's Meeting 8:45 AM  
Fly 9:00 AM

CONTEST:                    ROUND # 1  
                              ROUND # 2                    CONTESTANTS FLY A, B, or C  
                              ROUND # 3

- A) 3 MIN. FLIGHT AT 700 POINTS, 4 POINTS/SEC. OFF OF TIME, LANDING AT 300 POINTS.  
B) 5 MIN. FLIGHT AT 800 POINTS, 3 POINTS/SEC. OFF OF TIME, LANDING AT 200 POINTS.  
C) 7 MIN. FLIGHT AT 900 POINTS, 2 POINTS/SEC. OFF OF TIME, LANDING AT 100 POINTS.

Each flight will be judged to the closest of 3, 5, or 7 minutes. Time need not be called prior to landing. The time will speak for itself. Landing is to be within the standard 25 foot circle.

NOTE

If anyone is interested in batteries, of any type, contact Frank Chasteler for coordination.

SPECIAL THANKS

Frank Durham for bringing films he took of the Visalia Contest.

Frank Heacox for contacting the Park Mntce. Supv. and arranging for the trash at our flying site to be picked up. It sure does look better!



**INTERNATIONAL RADIO CONTROL  
MODELER MODELING  
SHOW**      JANUARY 12 and 13, 1985  
Saturday: 10 AM to 6 PM, Sunday: 10 AM to 5 PM

- \* Manufacturer's displays of radio controlled models and systems.
- \* Live indoor demonstrations of radio controlled aircraft, blimps, boats, and cars. Also free flight and control line models.
- \* Many beautiful models on static display, competing for trophies.
- \* SWAP SHOP for models and accessories.
- \* GIANT RAFFLE - Radio systems, kits, engines, etc.
- \* Win two round trips to anywhere in USA on Delta Air Lines!
- \* Continuous small item raffle during show. Watch the "Keno" board!

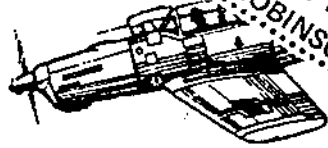
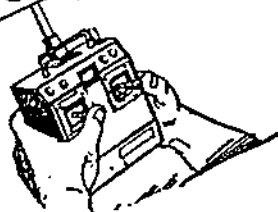
ADMISSION: Adults - \$4.00, Juniors (12 and under) - \$2.00  
Weekend Passes: Adults - \$6.50, Juniors - \$3.25  
Free admission to children 6 and under, if accompanied by an adult.

**SPECIAL DISCOUNT TICKET**  
**50¢ OFF ADMISSION PRICE!!**

Bring your children, so they can learn to build and fly a MODEL AIRPLANE during the show!

**BEST in the WEST!**

COME AND SEE A FULL-SCALE HELICOPTER  
THE ROBINSON R-22 ALPHA



The EIGHTH ANNUAL

**CONSUMER TRADE SHOW**

**JANUARY 12 & 13, 1985** Saturday 10 AM - 6 PM  
Sunday 10 AM - 5 PM

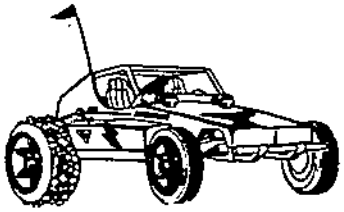
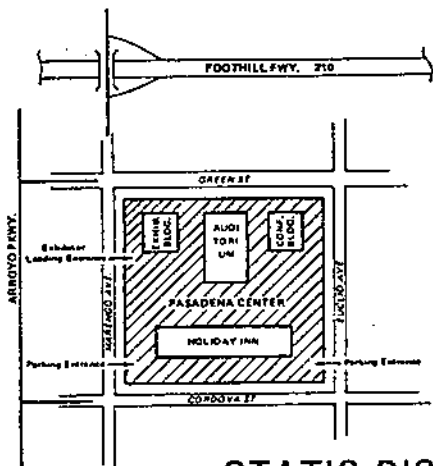
**Pasadena Center, Pasadena, California**

HOME OF THE FAMOUS ROSE PARADE & ROSE BOWL

300 East Green Street (Corner of Green & Marengo) Pasadena, CA 91101

SEE THE LATEST PRODUCTS AND VISIT WITH MAJOR MANUFACTURERS AND DISTRIBUTORS

- MODEL AIRCRAFT
- MODEL ENGINES
- MODEL BOATS
- RADIO CONTROL SYSTEMS
- MODEL CARS
- MODELING ACCESSORIES



INDOOR DEMONSTRATIONS  
STATIC DISPLAY COMPETITION IN MANY CATEGORIES

WIN TWO FIRST CLASS, ROUND TRIP TICKETS, GOOD FOR TRAVEL BETWEEN ANY TWO CITIES IN THE USA, SERVED BY DELTA AIR LINES, INCLUDING NASSAU, BERMUDA, AND SAN JUAN !!

**SEE INDOOR R/C SCALE AIRCRAFT AND BLIMP FLYING**

**ADMISSION:** Admission is \$4.00 per day, \$2.00 for those who are 12 and under. Children under 6 admitted free when accompanied by an adult. Weekend passes \$6.50 adult, \$3.25 12 and under. Discount tickets worth 50¢ available at most hobby shops within 500 mile radius of Pasadena.

**SWAP SHOP:** Bring your saleable items to the Swap Shop area. NO DEALERS PLEASE! Rent a whole table for \$10.00 or half a table for \$5.00, per day, in addition to general admission. You are responsible for conducting your own sales. IMS not responsible for lost or stolen articles.

**STATIC MODEL COMPETITION:** Entry is free, open to all ages, no limit on number of categories entered, but one entry per category. Trophies and ribbons awarded in over 40 categories. Complete competition rules at your local hobby shop, or write/phone IMS headquarters.

**\*SWAP SHOP!**  
**\*GIANT RAFFLE!**  
GIANT RAFFLE: Radio control systems, kits, engines, etc. will be raffled Sunday at 4:00 P.M., other prizes during course of show. Tickets on sale at show both days. You need not be present to win items raffled at 4 PM Sunday.

INTERNATIONAL MODELER SHOW, BOX 127, COSTA MESA, CA 92627  
PHONE (714)-548-4700 OR (714)-645-8830

# ELEVENTH ANNUAL ASTRO ELECTRIC CHAMPIONSHIPS

WHEN: Saturday, February 9, 1985 Sign up 8:00 am. Start 9:00 am.  
Sunday, February 10, 1985 Sign up 8:00 am. Start 9:00 am.  
Sunday, february 17, 1985 Sign up 8:00 am. Start 8.30 am.

WHERE: Saturday, February 9, HARBOR SOARING SOCIETY Field, Costa Mesa, CA.  
Sunday, February 10, Mile Square Park, Fountain Valley CA.  
Sunday, February 17, Mile Square Park, Fountain Valley CA.

WHAT: !!!!!!!!!!!!!!! SIXTEEN EXCITING ELECTRIC EVENTS !!!!!!!!!!!!!!!  
!!!!!!!!!!!!!! RADIO CONTROL!!!FREE FLIGHT!!!CONTROL LINE!!!!!!!!!!!!!!

Saturday, Feb. 9, at HARBOR SOARING SOCIETY , Costa Mesa, CA.  
Contest Directors: Bob Boucher, John Brown and Frank Chasteler

1. SEVEN CELL SAILPLANE. Any motor, any prop, one minute motor run, seven minute precision duration with landing bonus (eight minutes total).
2. OPEN SAILPLANE. Any motor, any prop, 24 cells max, one minute motor run, seven minute precision duration with landing bonus.(8 min.total)
3. SEVEN CELL PYLON RACING. Any motor(s), 1200 mahr max cell size. 42 oz maximum weight. 24 ounce max wing loading. Hand launch ,10 laps.
4. MODIFIED F3-E. Standard FAI rules apply expect that motor run will be fixed at 30 seconds. Glide time for distance task will be 170 seconds. Duration task will use a 30 second motor run and a 300 second glide. All models will land after speed run but will not be recharged before duration task. Flights will be flown man on man and raw scores normalized to 1000 points per task.

Sunday Feb. 10 at Mile Square Park, Fountain Valley Ca.  
Contest Directors: Bob Boucher, John Brown, Bob Sliff, Larry Jolly

1. SEVEN CELL OLD TIMER. Any motor, any prop, any gear or direct drive. Six 1200 mahr cells or seven 800 mahr cells maximum, ROG, one minute motor run, seven minutes precision duration, eight minutes total time with landing bonus.
2. OPEN OLD TIMER. Any motor, any prop, any gear or direct drive, any battery, ROG, one minute motor run, seven minutes precision duration, eight minutes total time with landing bonus.
3. AEROBATICS. Any motor(s) any battery, ROG optional and no landing or take off points . Pilots will choose 10 maneuvers from AMA Sport sequence.
4. STAND OFF SCALE. Static judging from ten foot distance. ROG required and landing and take off will be judged as two maneuvers. Eight more flight manoeuvres can be chosen from AMA Scale Sequence. Multi-engine models receive bonus points (10 points for 2 engines and 20 points for three or more motors to be added to flight scores).

**CONTEST**

**CONTEST**

**CONTEST**

Sunday February 17, Mile Square Park, Fountain Valley Ca.

Contest Directors: Bill Stroman Free Flight, Tony Naccaratto Control line

1. FREE FLIGHT JUNIOR AMA CLASS A. 25 second motor run, three minute max. any motor but battery limited to 6 cells. Contestant 16 years old max.
2. AMA CLASS A. Any motor ,six cell battery max, 25 second motor run and a three minute max.
3. AMA CLASS B. Any motor, any battery, 25 second motor run and a three minute max.
4. OLD TIMER FREE FLIGHT. Limited to 020 and 035 size motors. Six 275 mahr battery maximum. Hand launch and 25 second motor run, three minute max.
5. FREE FLIGHT SCALE. Static score 100 points max, realism of flight 100 points max, Rog required, Multi-engine models will receive a flight bonus of 10 points for twin engines and 20 points for three or more engines.
6. CONTROL LINE AEROBATICS. Any motor, any battery. Model will be judged on standard AMA control line maneuvers.
7. CONTROL LINE SPEED. Any motor, seven cell battery maximum. 42 fou line, .010 Dia. min solid, .012 Dia min stranded. All models will be pull tested to 10 g. Time will be recorded for 5 laps.(1/4 mile).
8. CONTROL LINE SCALE. Any motor, any battery. Three views will be required for static score. Flight points will be awarded on realism of flight. A minimum of 10 laps are required to receive a flight score.

\*\*\*\*\*

- Contest Director: Bob Boucher.....(213) 472-6344
- Contest Director: John Brown.....(714) 537-7821
- Contest Director: Frank Chasteler...(714) 545-2185
- Contest Director: Bob Sliff.....(714) 893-8311
- Contest Director: Bill Stroman.....(213) 868-1479
- Contest Director: Tony Naccaratto...(818) 842-5062
- Contest Director: Larry Jolly.....(714) 531-3457

\*\*\*\*\*  
!!!!!!!!!!!! PRE-REGISTRATION REQUESTED!!!!!!!!!!!!

REGISTRATION FEE \$10.00 EACH DAY OR \$20.00 FOR ALL THREE DAYS  
SEND CHECKS TO: BOB BOUCHER 2301 CHERYL PLACE LOS ANGELES CA 90049  
\*\*\*\*\*

!!!!!!!!!!!! OVER ONE THOUSAND DOLLARS VALUE IN PRIZES !!!!!!!!!!!!!

!!! EVERY CONTESTANT WILL WIN A PRIZE EACH DAY !!! EVERYBODY WINS !!!

\*\*\*\*\*

EPPLER 174

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.55	2.45	3.55	4.55	5.3	6.45	7.2	7.8	8.2	9.1	10.5	11.45	12.8	14.8	17.1	19.5	0
IMR	0	0.75	-1.1	-1.3	-1.4	-1.4	-1.4	-1.2	-1.0	-0.6	-0.45	0	0.25	0.4	0.45	0.45	0.25	0

EPPLER 176

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.5	2.3	3.5	4.3	5.0	6.1	6.8	7.4	7.65	7.75	7.65	7.5	7.1	6.5	5.8	5.5	0
IMR	0	0.75	-1.05	-1.45	-1.5	-1.6	-1.6	-1.5	-1.45	-1.35	-1.2	-1.0	-0.6	-0.4	-0.2	0	0	0

EPPLER 178

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.45	2.1	3.1	4.15	4.8	5.8	6.45	6.5	7.1	7.15	6.5	5.4	4.5	3.4	2.4	1.05	0.045
IMR	0	-0.65	-1.05	-1.45	-1.5	-1.65	-1.8	-1.75	-1.75	-1.55	-1.45	-1.1	-0.9	-0.6	-0.2	-0.2	-0.01	0

EPPLER 180

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.5	2.25	3.25	4.0	4.5	5.4	6.0	6.45	6.6	6.6	6.0	5.8	5.5	5.0	4.0	0.15	0
IMR	0	-0.15	-1.0	-1.5	-1.75	-1.85	-2.0	-2.01	-2.02	-2.01	-1.8	-1.6	-1.3	-1.05	-0.75	-0.5	-0.25	0

Contributed to SOARING FLIGHT by S.O.A.R. Member Dale Folkening

EPPLER 184

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.25	1.95	2.8	3.3	3.8	4.5	5.0	5.2	5.45	5.25	4.65	3.6	2.35	1.05	0.2	0.01	0
IMR	0	-0.95	-1.3	-1.95	-2.15	-2.15	-2.05	-2.0	-1.95	-1.9	-1.85	-1.65	-1.2	-0.7	-0.15	-0.35	-0.5	0

EPPLER 193

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.45	2.2	3.25	4.6	5.45	6.65	7.5	8.0	8.5	8.55	7.8	6.65	5.1	3.5	1.85	0.95	0
IMR	0	-1.0	-1.3	-1.75	-1.95	-2.0	-2.1	-2.0	-1.95	-1.9	-1.85	-1.65	-1.1	-0.7	-0.45	-0.2	-0.1	0.05

EPPLER 195

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.8	2.75	4.0	5.0	5.8	6.95	7.8	8.5	8.9	8.95	8.35	7.0	5.45	3.55	1.8	0.95	0
IMR	0	-1.0	-1.55	-2.1	-2.4	-2.6	-2.65	-2.6	-2.5	-2.45	-2.35	-2.0	-1.45	-1.0	-0.5	-0.25	-0.05	0

EPPLER 201

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.3	2.3	3.65	4.65	5.5	6.7	7.55	8.25	8.65	8.65	8.15	6.15	4.0	2.4	1.0	0.1	0
IMR	0	-1.0	-1.55	-2.2	-2.55	-2.85	-3.15	-3.25	-3.25	-3.15	-2.95	-2.5	-1.75	-1.15	-0.75	-0.45	-0.15	0

Contributed to SOARING FLIGHT by S.O.A.R. Member Dale Folkening

EPPLER 203

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.15	2.5	4.0	5.64	6.85	7.75	8.4	8.8	8.95	8.25	7.8	5.55	3.8	2.1	1.8	0	0
WPR	0	-1.3	-1.8	-2.8	-3.15	-3.55	-4.0	-4.5	-4.9	-5.1	-4.9	-4.1	-2.15	-1.2	-0.35	-0.05	-0.01	0

EPPLER 205

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.8	2.6	4.0	4.9	5.65	6.0	7.6	8.1	8.2	8.1	7.2	6.8	6.6	7.0	6.5	6.75	6
WPR	0	-0.9	-1.25	-1.6	-1.95	-2.05	-2.2	-2.35	-2.35	-2.15	-1.8	-1.4	-1.15	-0.95	-0.65	-0.3	0	0

EPPLER 207

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.8	2.6	3.8	4.8	5.6	6.25	7.55	8.05	8.7	8.75	7.45	5.2	4.85	3.8	1.8	0.35	0
WPR	0	-1.25	-1.75	-2.3	-2.75	-3.0	-3.25	-3.55	-3.8	-3.95	-3.8	-3.1	-2.05	-1.55	-1.0	-0.3	-0.25	0

EPPLER 211

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.5	2.4	3.4	4.4	5.0	6.01	6.8	7.5	7.7	8.0	7.45	6.6	5.5	4.01	2.4	1.3	0
WPR	0	-1.0	-1.5	-2.1	-2.5	-2.75	-3.1	-3.3	-3.3	-3.2	-3.0	-2.2	-1.35	-0.6	0	0.25	0.25	0

Contributed to SOARING FLIGHT by S.O.A.R. Member Dale Folkering

EPPLER 212

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.7	2.6	3.7	4.5	5.2	6.1	6.9	7.3	7.6	7.7	7.3	6.7	5.6	4.2	2.5	1.4	0
WPR	0	-1.7	-1.8	-2.4	-2.8	-3.0	-3.3	-3.3	-3.2	-3.0	-2.3	-1.5	-0.8	-0.1	0.6	0.8	0.55	0

EPPLER 214

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.9	2.75	4.0	4.9	5.6	7.2	8.1	8.7	9.1	9.3	8.95	8.1	6.75	5.0	2.9	1.6	0
WPR	0	-1.0	-1.4	-1.8	-2.0	-2.3	-2.3	-2.2	-2.1	-2.0	-1.6	-0.8	-0.1	0.55	0.9	0.9	0.5	0

EPPLER 387

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	2.4	3.5	4.5	5.6	6.5	7.7	8.9	9.2	9.7	10.1	10.2	9.5	8.2	6.8	5.2	3.8	2.0
WPR	0	2.9	3.2	3.6	4.0	4.5	5.5	6.7	7.9	8.9	10.1	11.7	13.7	17.0	22.2	22.2	2.3	2.2

EPPLER 392

SIA	0	1.25	2.5	5	7.5	10	15	20	25	30	40	50	60	70	80	90	95	100
UPR	0	1.7	2.65	3.95	4.9	5.6	6.95	7.75	8.4	8.6	8.9	8.35	7.8	5.5	3.75	2.8	1.95	0
WPR	0	-0.95	-1.25	-1.55	-1.75	-1.8	-1.85	-1.8	-1.7	-1.5	-1.05	-0.5	0.1	0.2	0.1	0.6	0.4	0

Contributed to SOARING FLIGHT by S.O.A.R. Member Dale Folkering