



"THE OLDEST A.M.A. SANCTIONED SOARING CLUB IN THE WORLD"

P.O. BOX 1673, COSTA MESA, CA. 92626

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February, 1982

"THE SOCIETY COLUMN"

VOL.19 NUMBER 2

FROM THE EDITOR

As this is my first news letter, I will try to give you an idea of my goals for it's contents each month. I will be on the lookout for magazine articles and new product lines directly related to soaring or electric powered aircraft. I'll publish as many hints, ideas, "war stories" etc, as I can squeeze out of our more experienced members, (note how cleverly I avoided the word "older"). I'll list any and all equipment wants or items for sale, received before my deadline. I am going to have the news letter in the final stages of completion on the last Monday of the month, typed and mailed on the next day. See me at the field on the weekends or call me on the phone if you have any item you would like to have included in the newsletter.

FEBRUARY THERMAL CONTEST CANCELLED

Our thermal contest for February had to be cancelled due to inclement weather. Shortly after the contest director and a few members left "Ole Sol" peeked through the clouds and a call to arms was heard "We'll have a "Fun Fly"!!! So out came the winches, the pins, etc. and the battle was on!! When the dust (?) settled Ken Nelson was on the top with a total of 2873 points, followed by Jack Durham and Larry Frakes. Jim White donated three parachutes to the winners. Jim's chutes are excellent quality and workmanship but these were extra special. Each one was personalized with the winners name and AMA numbers. Thanks Jim!!!

As I mentioned this was an unofficial contest. The contest will be rescheduled for March 7th. Obviously the Electric Contest originally scheduled for the 7th will be moved into April, sometime before the SC2 contest. We would like to discuss the possibility of having the rules for the "Make Up" contest be the same as we will be using in our SC2 contest. Think about that and we'll talk about it at our March meeting.

Con't.

RESULTS OF OUR FUN FLY, LISTED IN ORDER OF FINISH

Nelson	2873	1000	
Durham	2865	997	
Frakes	2826		S984
T. Chasteler	2798	974	
Smith	2766	963	
Miller	2726		S949
White	2634	917	
Brennan	2546		S886
Beckman	2454		S854
Richardson	2385	830	
Hall	2317		S806
Pantzar	2300	801	
Ritschke	2267	789	
Krug	1889		S658

MEETING FOR MARCH

Our monthly meeting will be held on Wednesday, March 3rd at the Costa Mesa Consolidated Water District Office, 1965 Placentia Street, Costa Mesa. The meeting begins at 7:30PM. We welcome anyone with an interest in R.C. Gliders and/or Electric Powered Aircraft to attend.

NEW MEMBERS

We would like to welcome two new members to the club. Larry Christenson and Bud Waldron!! On behalf of all of the club membership, I would like to wish you both many safe, funfilled hours of flying.

CONTRIBUTIONS FROM THE MEMBERS

Two of our members contributed some excellent material to me for the newsletter. Morrey Smith submitted a basic wiring diagram for Electric Powered Airplanes and Jim White submitted an article from Modler Magazine written by Elroy Mare about an adjustable load for Nicad Battery testing. The schematics and photographs are fairly self explanatory but if anyone needs any help building either one Morrey, Jim or I will assist. This "checker" is for us folks who wondered, as we watched \$\$\$\$ worth of radio gear, balsa wood, at least a weeks grocery money worth of "extra things" we had to have, that was an airplane, quickly returning to kit form before our tear filled eyes, DID I CHARGE MY RECEIVER BATTERIES????!!!!?? Well gang, if that sounds familiar, try your hand at building this little box. Your mind will be more at ease so you can wonder why your plane is performing perfect snap rolls when you don't even have your thumb on the stick?!?!?!?!?

Con't.

FOR SALE FOR SALE FOR SALE

Cirrus Fuselage (Fiberglass) \$20.00
Aquila with 3 channel Cox Radio and Charger \$200.00
Contact Gordon Ritschke (714) 548-1806

6 volt winch with battery \$75.00
3 channel Kraft Series 71 System (with 2 servos) new batteries, on
yellow and white \$75.00.
Contact Jim White (714) 962-5608

WANTED: New members, any age, no special skills necessary.

ATTACHEMENTS

You will find a complete, up to date membership roster and the rules
for our SC2 contest attached to this newsletter.

FILLERS

LEARN TO SPEAK METRIC

A miss is as good as 1,609 Kilometers
Beat him to within 2.54 centimeters of his life
All wool and 91.3 centimeters wide
Give him 2.54 centimeters and he takes 1609 meters
Missed it by a country 1,609 kilometer
Traffic was 2.54 centimeters along the freeway
Peter Piper picked 8.81 liters of pickled peppers.
28.5 grams of prevention is worth 456 kilograms of cure
Give him 453.6 grams of flesh
It hit me like 907 kilograms of bricks

TNK QCWA

NONSENSE

The flight duration record for a paper aircraft over level ground is
15.0 seconds by William Harlan Pryor in the Municipal Auditorium,
Nashville, Tennessee, on March 26, 1975. A paper plane was reportedly
flown 1,126 yards by Greg Ruddue, 11, at San Geronimo Valley Elementary
School, California, on March 31, 1973.

From Guinness Book of
World Records

Ed., (I wonder what club they belong to)?

"BLUE SKIES & SOFT AIR"

Ken Hlyer

AN ADJUSTABLE LOAD FOR NICAD BATTERY TESTING

By Eloy Marez

Do you know what an NFG-7 is? How about a quench coil? If so, you've been at this business a long time. And you are certainly more aware of the many changes in our hobby since the early days of R/C, one of the most important being the increasing reliability of our systems. This is due to many things, not the least being a lot of development work by a lot of really dedicated and talented people. They have been aided by the veritable flood of new semi-conductors provided by that particular industry, and by the increasing quality and reliability of all electronic components in general. Fortunately this includes nickel cadmium batteries — those of us who are exposed to them in large quantities have noticed a definite upswing in

their quality and lifespan these last few years.

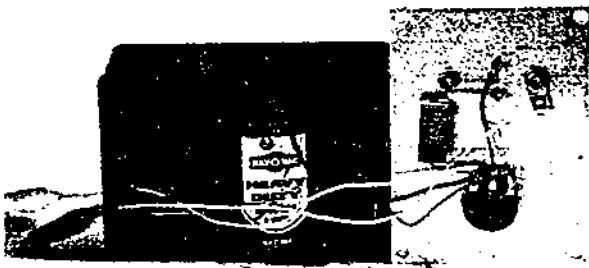
But even so, nicads fail us from time to time. Now, there are failures in our radio systems, airframes, and that all-important "brain to thumbs" link that none of us can foresee or head off in any way. But shaky or borderline nicads are something that can often be spotted in time to prevent a disaster. A program of periodic battery cycling and testing is definitely going to save you building a new airplane somewhere along the way.



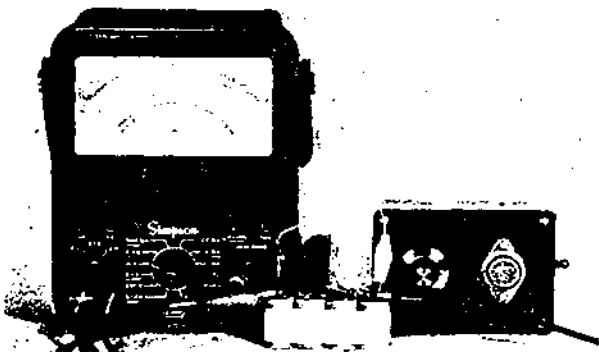
Parts placement on metal box cover. There is nothing critical about any of the circuitry, or parts location.



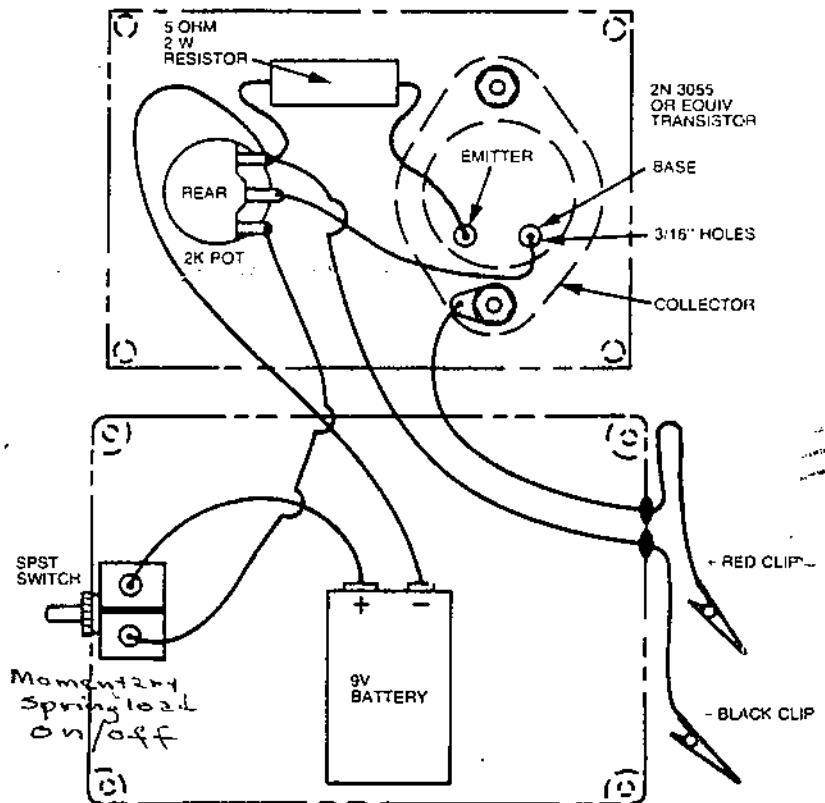
The load device, connected to a 450 mah airborne battery. This is deluxe version, built into small plastic case.



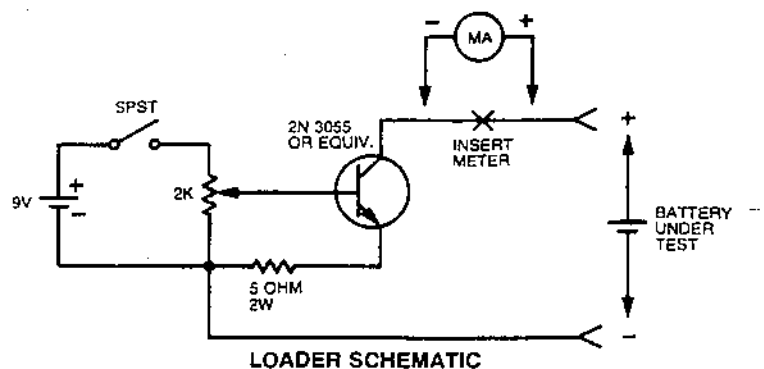
The internal 9 volt battery is held inside the case with a piece of two sided sticky tape. Switch on the side.

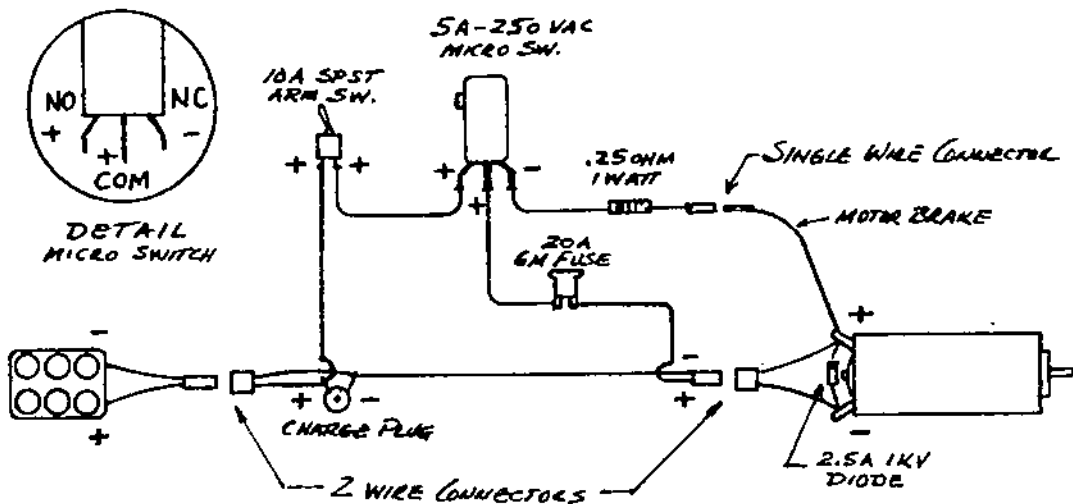


In use, with the shop voltmeter connected to read battery voltage while the loader applies proper load.



ADJUSTABLE BATTERY LOADER





BASIC WIRING DIAGRAM
FOR ELECTRIC POWERED AIRPLANES
(SEE NOTES ON PARTS LIST)

W. E. Smith

SAMPLE PARTS LIST

- 18 GA. STRANDED COPPER WIRE
- MICRO SWITCH - SA-250 VAC (SERVO ACTIVATED)
- CHARGE PLUG - ASTRO FLITE OR EQUIV.
- ARM SWITCH - SUBMINI SPST SW. (10A-125VAC)
(RADIO SHACK #275-324)
- 6A TYPE FUSE - 20A (CONNECT WITH .187-
3/16" FLAG TYPE FEMALE CONNECTORS)
- WIRE CONNECTORS - 2 PR. WALDOM 2 WIRE
1 PR. SINGLE WIRE
- RESISTOR (MOTOR BRAKE) .25OHM/1WATT
(.240R .270K)
- DIODE - 2.5A-1KV SILICONE DIODE
(RADIO SHACK #276-1114)

NOTE: 2.5A-1KV DIODE - STRIPE GOES TO POSITIVE SIDE OF MOTOR. (REDUCES ARCING IN MICRO SWITCH.) .25OHM-1WATT RESISTOR IN MOTOR BRAKE REDUCING ARCING AT MOTOR BRUSHES.

NOTE: BEFORE SOLDERING WIRES TO MOTOR - USE JUMPERS TO CHECK FOR PROPER DIRECTION OF ROTATION.

H.S.S. (SC)² CONTEST

HARBOR SOARING SOCIETY
(SC)² CONTEST

25 April 1982

Fairview Regional Park (next to Estancia High School)
Costa Mesa, Ca.

A. M. A. Sanctioned (C.D.'S -- Frank Chasteler &
John Krug)

FEEES: (including line retrievals) -- \$5.00

AWARDS: 1st thru 10th

sign up opens at 8:00 A.M. -- A.M.A. & F.C.C. required
pilot's meeting at 8:45 A.M. sign up closes at 9:00 A.M.

FIRST FLIGHTS: at 9:00 A.M. -- called flight order
normal (SC)² type non-standard 12 volt winches
line length approx. 700 feet

LANDING AREA: standard 25 foot radius circle on adobe.

TASKS: rounds 1 & 2) precision-duration 'TAKE YOUR PICK'

4 and 8,

5 and 7, or

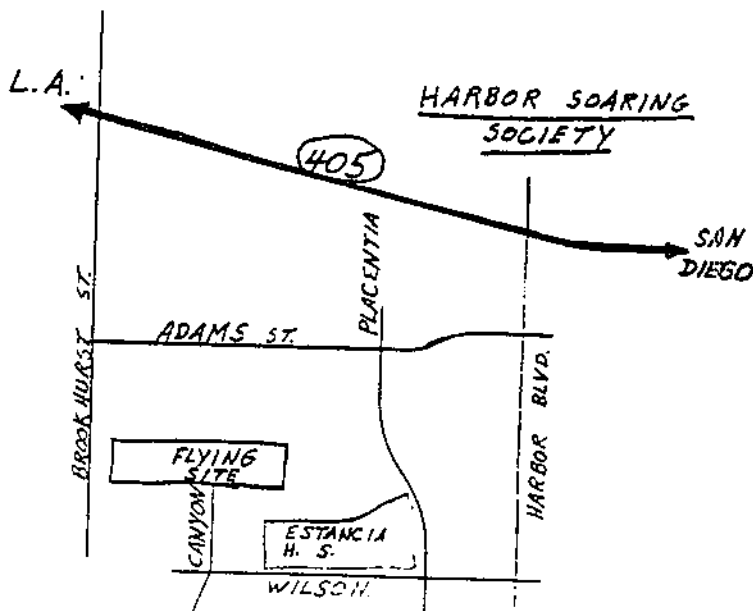
6 and 6

each flight is 900 points with 100 points for landing

round 3) 2 minute precision with a gate to go thru on approach.

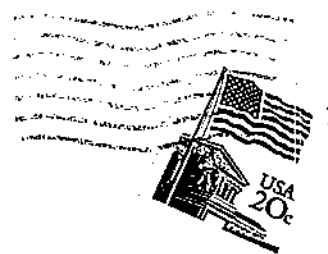
NO TURNS after going thru gate. lose gate points if turn
is made. (SCORE 600 flight, 300 gate, 100 landing)

NOTE: There will be a qualifying
landing area. All landings
MUST be made from North or
East



Amies, John 2732 Circle Dr. Newport Beach, Ca. 92663 548-5140	Frakes, Larry 5611 Middelcoff Dr. Huntington Beach, Ca. 92649 846-6985	Myers, Ken & Bobby Reynolds 9564 Turtledove Ave. Fountain Valley, Ca. 92708 968-6901
Be man, Arnold 394 Magnolia Costa Mesa, Ca. 92627 642-4872	Freed, Mack 211 Palmer St. Costa Mesa, Ca. 92627 548-6750	Nelson, Ken 2545 W. Camden Pl. Santa Ana, Ca. 92704 549-0581
Black, Dale 2018 Lemnos Dr. Costa Mesa Ca. 92626 540-6147	Hall, Herman 2023 N. Greengrove St. Orange, Ca. 92665 637-2704	Ontko, Matt 3261 Dakota Ave. Costa Mesa, Ca. 92626 546-1715
Boucher, Roland 11 Deerspring Irvine, Ca. 92714 552-5995	Hitchcock, Mel 2795 Mendoza Costa Mesa, Ca. 92626 642-8584	Pantzar, Dick 400 Orion Way Newport Beach, Ca. 92663 642-1380
Brennan, John 5682 Kern Drive Huntington Beach, Ca. 92649 840-7969	Krug, John 2689 N. Galley Orange, Ca. 92665 974-3779	Richardson, Pete 933 Magellan St. Costa Mesa, Ca. 92626 556-7151
Chasteler, Frank & Tom 1772 Iowa St. Costa Mesa, Ca. 92626 545-2185	Lake, Leo & Kaye 1894 W. Surf Dr. Anaheim, Ca. 92801 991-9825	Ritschke, Gordon 1549 Orange Ave. Costa Mesa, Ca. 92627 548-1806
Christensen, Lawrence 1755 Sherington Pl. #W306 Newport Beach, Ca. 92660 631-0709	Lenar, Leo 206 E. 15th St. Costa Mesa, Ca. 92627	Selway, Harlan 21321 Lochlea Ln. Huntington Beach, Ca. 92646 536-8106
Cook, Dennis 20291 Beam Circle Huntington Beach, Ca. 92646 960-6390	McMullen, Mark 7701 Warner Ave. Apt. D-58 Huntington Beach, Ca. 92646 842-1758	Smith, Morris 2024 Continental Ave. Costa Mesa, Ca. 92627 548-5353
Davies, Brian 8792 Midbury Dr. Huntington Beach, Ca. 92646 968-0760	Mentzer, Thomas 1010 W. MacArthur Blvd. #20 Santa Ana, Ca. 92707 641-8963	Stevens, Bruce 75 Sandpiper Irvine, Ca. 92714 559-0355
Day, Tracy 21652 Dirigo Circle Huntington Beach, Ca. 92646 962-6137	Milburn, Rod 2708 Albatross Costa Mesa, Ca. 92626 557-6429	Thacher, Robert 1703 Calle Marie San Clemente, Ca. 92672 492-8786
Durham, Jack 8592 Mossford Huntington Beach, Ca. 92646 968-7514	Miller, Ron 16372 Mercier Ln. Huntington Beach, Ca. 92647 846-3683	Troxel, Terry 2294 Pacific #E Costa Mesa, Ca. 92627 645-0283
F., Dan 15432 Duke Circle Huntington Beach, Ca. 92646 892-2334	Murphy, Tom 2021 Mandarin Costa Mesa, Ca. 92626 540-3877	White, Jim 19372 Worchester Lane Huntington Beach, Ca. 92646 962-5608

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WESTMINSTER, CA. 92683
531-1095



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Orange, Ca. 92665