



SANDERSON FIELD R.C. NEWS



CLUB MEETING

This months meeting will be held on Thursday May 13th at Choice High School, located at 8th and West Cedar, Shelton Wa. Use the entrance with the elevator, across from the old gym.

Hi all,

Things are finally coming together on the new house and I hope to be able to put more time in for the club again some time in the not to distant future. Today, though, the plasterers are coming and I must get ready...

Our monthly fly-ins are lots of fun but are also lots of work. To make them a success we need more volunteers to help out. How about pitching in and helping out?

We will be having 2 classes of 4th graders come up and try out flying on the 14th of May at 1:00 p.m. There will be 22 kids. Last year was a lot of fun so come up and lend a hand or just watch the furball.

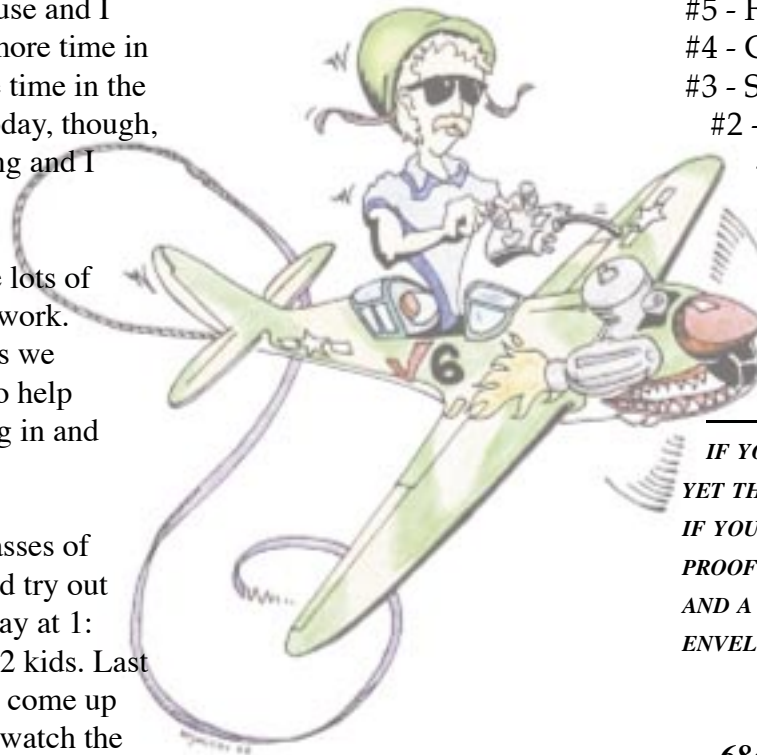
Important

We recently had an issue with a member flying alone. I'd just like to remind everyone, flying without a spotter is strictly against the rules and also not very smart. Being at an active airport brings responsibility.

Please don't jeopardize our flying site by being impatient or whatever,

TOP TEN USES FOR AN UGLY STICK...

- #10 - Coffee Table
- #9 - Paper Weight
- #8 - Doorstop
- #7 - Weed-wacker
- #6 - Personal Defense Device
- #5 - Fireplace Fuel
- #4 - Chew-toy for Large Dog
- #3 - Step Stool
- #2 - Hammer
- #1 - Wheel-chock for 1/2-scale Piper Cub



**IF YOU HAVEN'T PAID YOUR DUES
YET THEY ARE NOW LATE AND ARE \$40
IF YOU PAY BY MAIL SEND YOUR DUES,
PROOF OF 2004 AMA MEMBERSHIP
AND A SELF ADDRESSED STAMPED
ENVELOPE TO THE TREASURER:**

**CHUCK KENTFIELD
6843 Gallagher Cove Rd NW
Olympia WA 98502**

wait for your spotter! If he/she doesn't show up, find someone else or DON'T FLY!!!

If you really want to slow the process down send it to the secretary.

HINTS AND TIPS FOR BEGINNERS

1. Roll test steering in a driveway or basement. If it doesn't roll straight at home, it won't roll straight on a runway. Set control to the least sensitive position.
2. Put MonoKote (or other) small marks at the center of gravity on the wing to indicate balance location. It makes it easier to check at the field.
3. Balancing laterally (side to side) will help aircraft track better in maneuvers. Hold at the spinner and tail. Add wingtip weight as necessary.
4. Check receiver battery every two or three flights. Make a chart of how long you have flown versus voltage drop. Do not operate below 4.9 volts.
5. Always turn on your transmitter first and receiver second. Always turn off your receiver first and transmitter second.
6. Range check your system before the first flight each time out. This should be performed with the engine running at both idle and full throttle.
7. When using the buddy box system, make sure both boxes are set identically. Never turn the buddy box power on.
8. Remove transmitter neck straps when starting engines.
9. If you don't have a starter, at

- least use a chicken stick Do not hit against the propeller; start your flip with the stick next to (touching) it.
10. Never jam a running starter onto the spinner. Back up the propeller and place the starter cone against the spinner before turning it on.
11. When you start your engine, look at your watch and keep track of time. After your flight, check the fuel level to judge maximum available flight time.
12. Do not reach over the propeller to adjust the needle valve. Do it from the rear. Do not position yourself or others to the side of a rotating blade. It could fail on run-up or kick up debris.

from Fly Paper
via the newsletter of the
Orange Coast Radio Control Club
Betty Bliss, editor
Whittier CA



Covering tips for beginners

- Orientation recognition can be enhanced by placing large dark circles under the wings and a starburst pattern of straight lines on the top.
- Beginners are advised to color the bottoms of aircraft wings a dark color and the tops a light color.
- Avoid single-color aircraft, particularly solid silver or solid dark color

CLUB OFFICERS		
President	Jody Diaz	(360)427-6102
Vice President	Dick Robb	(360)427-4521
Treasurer	Charles Kentfield	(360)866-9473
Secretary	Bob Beatty	(360)426-5601
Field Marshall	Charles Kentfield	(360)866-9473
Safety Officer	John Tupper	(360)426-6383
BOARD MEMBERS		
Board Member	Jody Diaz	(360)427-6102
Board Member	Dick Robb	(360)427-4521
Board Member	Herb Coslett	(360)275-4158
Board Member	Stacy Myers	(360)426-9367
Alt Board Member	Bob Beatty	(360)426-5601
Alt Board Member	Chuck Kentfield	(360)866-9473

DECIMAL EQUIVALENTS OF WIRE, LETTER, AND FRACTIONAL SIZE DRILLS

DRILL SIZE NO.	DECIMAL	DRILL SIZE NO.	DECIMAL	DRILL SIZE NO.	DECIMAL
80	.0135	29	.1360	21/64	.3281
79	.0145	28	.1405	Q	.3320
1/64	.0156	9/64	.1406	R	.3390
78	.0160	27	.1440	11/32	.3438
77	.0180	26	.1470	S	.3480
76	.0200	25	.1495	T	.3580
75	.0210	24	.1520	23/64	.3594
74	.0225	23	.1540	U	.3680
73	.0240	5/32	.1562	3/8	.3750
72	.0250	22	.1570	V	.3770
71	.0260	21	.1590	W	.3860
70	.0280	20	.1610	25/64	.3906
69	.0292	19	.1660	X	.3970
68	.0310	18	.1695	Y	.4040
1/32	.0312	11/64	.1719	13/32	.4062
67	.0320	17	.1730	Z	.4130
66	.0330	16	.1770	27/64	.4219
65	.0350	15	.1800	7/16	.4375
64	.0360	14	.1820	29/64	.4531
63	.0370	13	.1850	15/32	.4688
62	.0380	3/16	.1875	31/64	.4844
61	.0390	12	.1890	1/2	.5000
60	.0400	11	.1910	33/64	.5156
59	.0410	10	.1935	17/32	.5312
58	.0420	9	.1960	35/64	.5469
57	.0430	8	.1990	9/16	.5625
56	.0465	7	.2010	37/64	.5781
3/64	.0469	13/64	.2031	19/32	.5938
55	.0520	6	.2040	39/64	.6094
54	.0550	5	.2055	5/8	.6250
53	.0595	4	.2090	41/64	.6406
1/16	.0625	3	.2130	21/32	.6562
52	.0635	7/32	.2188	43/64	.6719
51	.0670	2	.2210	11/16	.6875
50	.0700	1	.2280	45/64	.7031
49	.0730	A	.2340	23/32	.7188
48	.0760	15/64	.2344	47/64	.7344
47	.0785	B	.2380	3/4	.7500
46	.0810	C	.2420	49/64	.7656
45	.0820	D	.2460	25/32	.7812
44	.0860	E 1/4	.2500	51/64	.7344
43	.0890	F	.2570	13/16	.8125
42	.0935	G	.2610	53/64	.8281
3/32	.0938	17/64	.2656	27/32	.8438
41	.0960	H	.2660	55/64	.8594
40	.0980	I	.2720	7/8	.8750
39	.0995	J	.2770	57/64	.8906
38	.1015	K	.2811	29/32	.9062
37	.1040	9/32	.2812	59/64	.9219
36	.1065	L	.2900	15/16	.9375
7/64	.1094	M	.2950	61/64	.9531
35	.1100	19/64	.2969	31/32	.9688
34	.1110	N	.3020	63/64	.9844
33	.1130	5/16	.3125	1	1.0000
32	.1160	O	.3160		
31	.1200	P	.3230		
1/8	.1250				
30	.1285				

EMERGENCY SAFETY ALERT

Lithium Battery Fires

Lithium batteries are becoming very popular for powering the control and power systems in our models. This is true because of their very high energy density (amp-hrs/wt. ratio) compared to NiCads or other batteries. With high energy comes increased risk in their use. The, principal, risk is FIRE which can result from improper charging, crash damage, or shorting the batteries. All vendors of these batteries warn their customers of this danger and recommend extreme caution in their use. In spite of this many fires have occurred as a result of the use of Lithium Polymer batteries, resulting in loss of models, automobiles, and other property. Homes and garages and workshops have also burned. A lithium battery fire is very hot (several thousand degrees) and is an excellent initiator for ancillary (resulting) fires. Fire occurs due to contact between Lithium and oxygen in the air. It does not need any other source of ignition, or fuel to start, and burns almost explosively.

These batteries must be used in a manner that precludes ancillary fire. The following is recommended:

1. Store, and charge, in a fireproof container; never in your model.
2. Charge in a protected area devoid of combustibles. Always stand watch over the charging process. Never leave the charging process unattended.
3. In the event of damage from crashes, etc, carefully remove to a safe place for at least a half hour to observe. Physically damaged cells could erupt into flame, and, after sufficient time to ensure safety, should be discarded in accordance with the instructions which came with the batteries. Never attempt to charge a cell with physical damage, regardless of how slight.
4. Always use chargers designed for the specific purpose, preferably having a fixed setting for your particular pack. Many fires occur in using selectable / adjustable chargers improperly set. Never attempt to charge Lithium cells with a charger which is not, specifically, designed for charging Lithium cells. Never use chargers designed for Nickel Cadmium batteries.
5. Use charging systems that monitor and control the charge state of each cell in the pack. Unbalanced cells can lead to disaster if it permits overcharge of a single cell in the pack. If the batteries show any sign of swelling, discontinue charging, and remove them to a safe place outside as they could erupt into flames.
6. Most important: NEVER PLUG IN A BATTERY AND LEAVE IT TO CHARGE UNATTENDED OVERNIGHT. Serious fires have resulted from this practice.
7. Do not attempt to make your own battery packs from individual cells.

These batteries CANNOT be handled and charged casually such as has been the practice for years with other types of batteries. The consequence of this practice can be very serious resulting in major property damage and/ or personal harm.

Safety Committee
Academy of Model Aeronautics
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Muncie, IN 47302