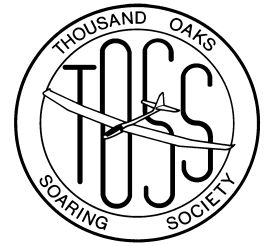


TOSSUP 01



Redwood Update

Its been about a year since TOSS first covered Redwood with Delta Darts in a partnership with the Science Department to help the children make planes that would actually fly. This very successful program was repeated this year using money from the AMA grant to buy the hundreds of plane kits and again all the 8th grade kids built a plane that actually flew.

More recently Myles has been running a more advanced program with about 30 8th graders. This takes place after school once a week. This program is his invention and draws on his experience with indoor modeling.

The program is built around a simple stick and tissue rubber band powered model. Its wing is about 8" span and 2" chord, the fuselage is a balsa stick and the tail feathers are built up. The children were shown this model, asked to measure it and draw it as a plan to make their own plane. All the pieces wood that they used for the model - the ribs, leading and trailing edges, fuse and tail feathers - were cut from sheets of sixteenth inch thick 3" x 30" balsa, the standard stock that you get from Marty's. The finished wing and tail sections are covered with tissue paper and doped. The wing and tail feathers use an ingenious stick and paper tube attachment technique that holds the components firmly but still allows a lot of adjustment for angle of attack and center of gravity positioning.

The motor is a single rubber band that runs under the stick fuselage. The mount and propeller shaft are fashioned from thin steel wire. The pro-

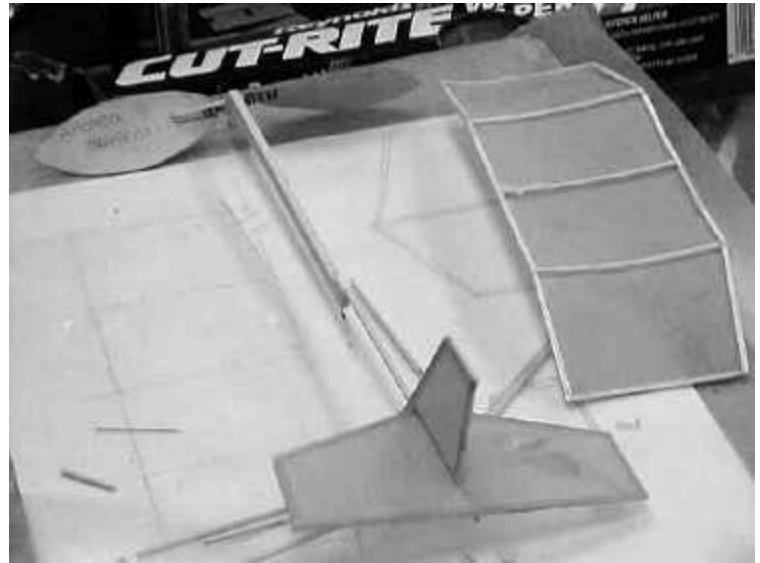
PELLER bearing is another piece of thin cardboard tube, the same tube that's used for the wing mounts. The propeller is made from a balsa hub with two blades formed by cutting the blade shape from the side of a foam cup. (The propeller's pitch can be chosen by selecting the part of the cup to cut the blade from.) Myles's prototype uses balsa propeller blades made by shaping soaked sixteenth sheet balsa around a soda bottle prior to cutting and shaping the blades.

After three sessions one plane has made it into the air and flown around the classroom. (with Edgar's help). Another is close to flying. The girl who's plane flew said that she had *"never built anything from nothing before and has never met anyone who has done this"*. She intends to show her cousins this magic. Other planes are in various states of construction - Myles had reported a bewildering catalog of screwed up measurements, ham-fisted glue applications and misheard or nonsensical interpretation of instructions. Fortunately no amputations (although apparently one or two near misses.) *(Editor - speaking as a parent of a 14 year old boy it sounded about normal to me)*

Myles says that he'll be sending a fairly detailed report on this activity to the AMA so it will probably turn up as an article in "Model Aviation" in due course. A report is also likely to turn up in the local paper.

MARCH 2000 TOSS Monthly Contest

NAME	CLASS	Glider	3 Minutes (950/50)			5 Minutes (950/50)			7 Minutes (950/50)			9 Minutes (950/50)			TOTAL POINTS	Normalized Points	Yearly Flier Points
			Time	Landing	Points	Time	Landing	Points	Time	Landing	Points	Time	Landing	Points			
Mike Reagan	Open	Addiction	3:00	82	991.00	4:58	96	991.67	6:58	84	987.48	9:00	88	994.00	3964.1	1000.0	1000.0
Lex Mierop	Open	Mako	3:01	87	988.22	5:01	78	985.83	7:02	79	984.98	9:06	87	982.94	3942.0	994.4	994.4
Edgar Weisman	Open	???	3:03	69	968.67	4:56	94	984.33	7:00	69	984.50	8:59	91	993.74	3931.2	991.7	991.7
Mike Stern	Open	Eddiction	2:57	89	978.67	5:00	23	961.50	6:57	71	978.71	8:59	85	990.74	3909.6	986.2	986.2
Bob Sweet	Open	Isaar	3:09	69	937.00	5:01	75	984.33	6:58	32	961.48	8:59	73	984.74	3867.6	975.6	975.6
Art McNamee	Open	Lil Dark	2:57	0	934.17	4:54	79	970.50	3:42	72	538.14	8:59	99	997.74	3440.6	867.9	867.9
Don Northern	Open	Gemini 'S'	3:02	79	978.94	4:03	90	814.50	4:32	92	661.24	9:05	81	981.70	3436.4	866.9	866.9
Gary Filice	Open	Addiction	3:05	71	959.11	2:03	56	417.50	6:57	67	976.71	9:03	85	987.22	3340.5	842.7	842.7
Craig Borsteimann	Open	Mysteryship	2:56	56	956.89	4:41	0	889.83	3:23	0	459.17	0:0		0.00	2305.9	581.7	581.7
John Elias	Open	Stork	0:00	0	0.00	5:10	68	952.33	0:00	0	0.00	8:50	52	958.41	1910.7	482.0	482.0
Myles Moran	Open	Prism	2:38	85	876.39	0:0	0	0.00	0:0	0	0.00	0:0	0	0.00	876.4	221.1	221.1



SOUTHERN SAN JOAQUIN SOARING SOCIETY 3rd ANNUAL BENT WING CONTEST

LOCATION: Earl Warren Junior High School, 4615 Mountain Vista Dr., Bakersfield, CA

DATES: April 22, 2001

EVENT: Precision duration thermal contest, for polyhedral sailplanes. Wing must be built-up construction, no foam. Rudder, Elevator, Spoiler controls only. Skegs, teeth, etc are allowed.

SCHEDULE: Pilots check-in 8:00 AM to 8:45 AM. Pilots meeting at 8:45 AM. First launch at 9:00 AM.

TASKS: In order : 3, 5, 7, 8, and 6 minutes tasks. The last round has to start before 12:15 P.M.
Scoring will be 1 point per second, with a one point penalty for each second over the task time. Landings will be full circle to a 25-foot ,25-point tape. No lawn dart landings will be counted. Two pop-offs will be allowed with CD's discretion allowing more if circumstances warrant. Open winch by rounds but you will be called up if flying lags too much, again, at CD's discretion.

AWARDS:	First Place	\$50.00
	Second Place	\$25.00
	Third Place	\$15.00
	Fourth Place	\$10.00

ENTRY: Pre-entry is encouraged but not required.
Entry fee is \$10.00 for pre-entry, \$15.00 for entry at the field.

SANCTION: This is an AMA sanctioned contest. AMA membership is required and will be checked.

If you have any questions, please contact the Contest Director, Jerry Tonnelli, at (661) 832 - 6048 (evenings) or jtonnelli@juno.com.
Work (661) 327 - 4778 or jobpdi@aol.com.

Send Entry Forms to:

Jerry Tonnelli
410 Brookhaven Drive
Bakersfield, CA 93304

