

SOCIETY OF ANTIQUE MODELERS



with
**FLYING
ACES**

Eagle Squadron 34

and



Long Time Flyers Club News

On the web at http://www.geocities.com/the_great_sam8/

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Luncheon at the Rainbow

Jan10, 2008

The club had a good turn-out today with 31 members present but without our secretary, Homer Smith. Homer is recovering from hip-replacement surgery and is doing well. He should be back in good form in a few months. Get well soon, Homer.

There seems to be some dissatisfaction with the quality of the food at the Rainbow, so Robert Hatch presented a motion to move the meetings back to Angelo's in Burien. They have a larger banquet room and it is more centrally located. Some complained that Angelo's was too expensive and Thursdays were not available. The membership, by a close vote, chose to stay with the Rainbow for the present.

Ken Spiller has been taking care of the club trailer and hauling it to the field for our contests. He has asked that someone else take on this responsibility so we need a volunteer to do trailer duty for a while. Joe Masters says he can store the trailer on his property in Graham but has no way to haul it to the contests. Would someone please do their bit for the club and take on this responsibility?

Jim Walters would like to see a towline glider event included in our contest schedule. This would be the classic towline with auto-rudder but no circle-tow. Launch by Hi-Start would be OK since many of us don't have the legs to run with a towline in hand anymore. Gliders are fun to fly and beautiful to watch. Any suggestions or comments are welcome.

The auction today was from Ted Ballin's collection of stuff. There was a myriad of tools, plans, kits and balsa sold to the lucky bidders. Ted has moved to a retirement home and doesn't have room for all his stuff but we hope he will still build model airplanes and get out to see us once in a while. Good luck, Ted!

The next meeting will be 11:30AM February 14 at the Rainbow Café in Auburn. Come join us.

Flying at Harts Lake Prairie

The army has spoken!

The 2008 Flying Season Has Started!

We have the following dates confirmed from the Army.

2-3 Feb Approved for TA15 (Little Prairie)

9-10 Feb nothing available

16-17 Feb Approved for TA15 (Little Prairie)

23-24 Feb Approved for TA14/Rogers (Big Prairie) **Misery Meet**

1-2 Mar Approved for TA15 (Little Prairie)

Please note that we do not have any dates on HLP except the one weekend of 23-24 March. Therefore, the only practice dates will be on the little prairie.

Homer

Rotten Robbie's Radio Trackers

I have three of the large tracking transmitters operational. I plan to have 2 more finished before the Misery Meet. Two of these units are already committed. There will be (hopefully) three more units available for testing at the Misery Meet. These units weigh about 1 oz. These units are powered by two N-Cell medical batteries. These cells are available at your local grocery or drug store.

I will have two handheld receivers and one mobile receiver. I will give instructions on transmitter hunting both days of the Misery Meet.

My objective is to find out how well these units actually do work in the field. If they perform well enough I will then take reservation for production unit. My plan is to sell these transmitters for \$50.

Bob Macklin (Rotten Robbie)

Setting Up The IKARA Timer

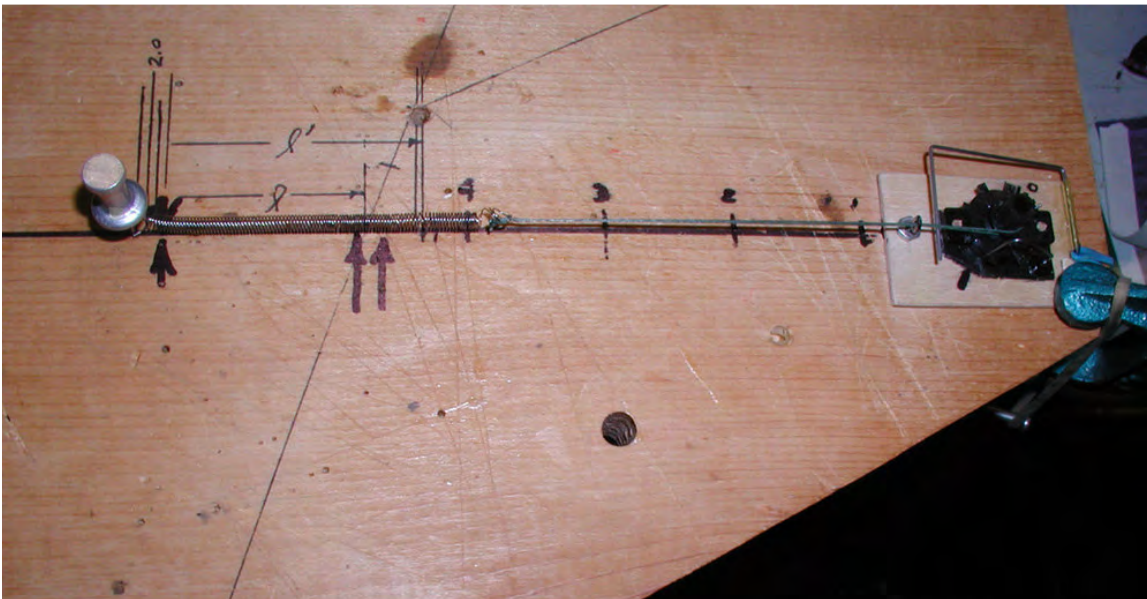
By Ed Lamb

I have some of the 'IKARA' timers from Czechoslovakia and I determined to use one to DT my Miss World's Fair. I found out immediately that the tension required to run the timer is way too little to hold down a stab. So a mechanical means (mouse trap) was rigged to solve that problem. The next problem had to do with the timer itself and the fact that so little resistance is provided by the viscous timer while it operates.

I have used Button and Badge viscous timers successfully with a #16 rubber band. It turns out that this is way too much tension for the IKARA to work right. I had to use just a single strand of the very small elastic provided with the timer to get "satisfactory" operation. I use the term satisfactory in quotes because this initial experience, while it got the job done, was not really that great. DT times of more than two minutes were hard to achieve consistently (read almost impossible). I came home from the SAM Champs after this experience thinking I would swap the IKARA out for a Badge and be done with it.

Having heard that very small coil springs are really necessary to get reliable operation using viscous timers and realizing that the rubberbands and elastic cord I had been using were part of the problem, I decided to give springs a try. About this time, I read an article in Larry Kruse's column about Tandy Walker's use of the IKARA to DT a FUBAR. Tandy sent me a description of his setup and I set out to replicate it. Ron Reed and Homer Smith provided a couple of springs I thought would work and I rigged up a test board to see if it could be done.

The test board is shown below:



The IKARA is shown on its mounting plate with the bail of the “mouse trap” in place. The lanyard and spring are also shown.

The lanyard is a loop of “Spider Wire” fishing line 4 inches long. This loop is fastened to the spring on one end and the other end is passed through a guide and over bail of the mousetrap, then over the pin of the timer pulley. A 4-inch loop is the minimum length recommended by the IKARA instructions and is really necessary, as I found out later. A longer loop would be needed to get DT times much longer than 3 minutes. The spring is wound from .008-inch spring steel.

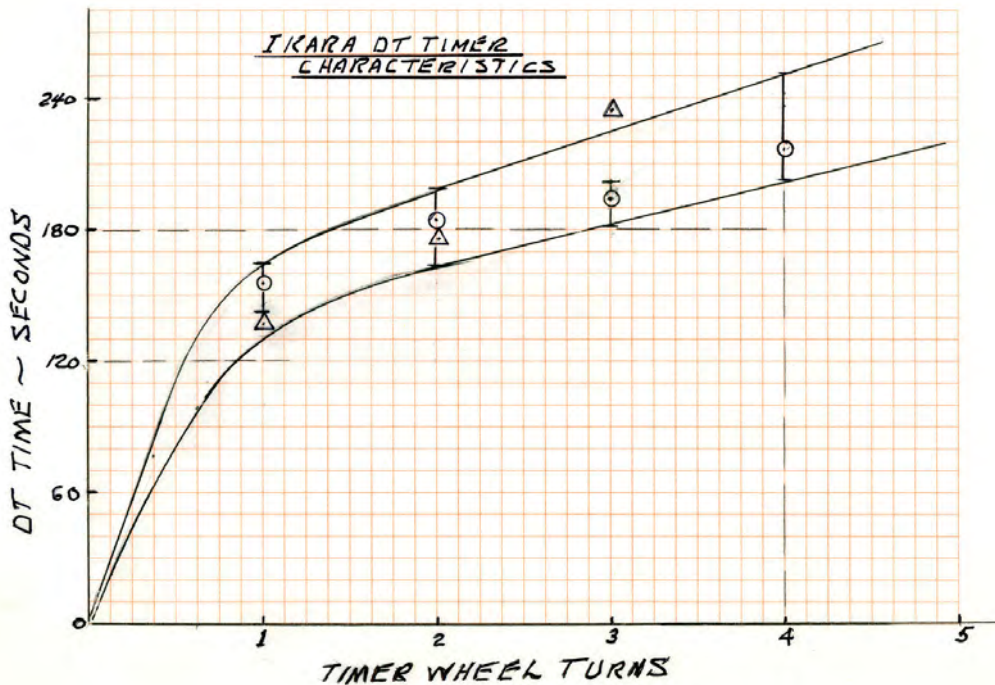
Tension in the lanyard and spring will be highest when the timer is first tripped and starts to run down. Then as the end of the run is approached, the tension becomes quite small. It is important to find that minimum tension required for reliable operation at the end of the timer run. You don’t want the timer to hang up there just before the lanyard is released. On the test board there are two dimensions, l and l' marked off. The distance l is the relaxed length of the unloaded spring. The distance l' is the length of the spring including an initial extension required to provide that minimum tension for reliable operation at the end of the run.

The IKARA timer has a wheel with eight spokes. These spokes are numbered 0 through 7 so that there are eight detents for each revolution of the wheel. There is a tripwire on the timer that can be set to engage any of the spokes as desired to hold any one of the eight detent positions prior to launch. I set each of the detents, tripped the timer and timed the release point with a stop watch, recording the elapsed times as I went along.

Elapsed times started off at about 20 seconds for the first detent, 48 seconds for the second, 67 seconds for the 3rd and so on up to 115 seconds for the eighth. (One full turn) That’s just a little less than two minutes for one full turn of the timer. To get a two-minute time reliably I would have to rotate the wheel past the eighth detent one more spoke (to the spoke marked 1). Continuing on, 2 turns of the wheel are required to get 2 minutes & 28 seconds. 3 turns of the wheel gets 2 minutes 48 seconds and 4 turns gets 3 minutes 23 seconds.

4 turns of the wheel wraps the entire length of the 4-inch lanyard loop around the pulley. That then is the best I can do with this setup. The IKARA will handle 3-minute maxes without too much difficulty. It is a little bit of bother remembering how many turns you have set, but that should be pretty obvious because I use up all of the lanyard for 3 minutes plus.

One bit of advice. Before setting the timer, each time, rotate the wheel through 3 or 4 revolutions to get it limbered up. When I first started timing the test runs, they were less consistent than later on. Having done the pre-rotating seems to help improve consistency.



Timer Characteristics:

While I had the test board setup I ran the timer several times at various settings to find out how much variation to expect and how I could set the timer for the best results in the field. The plotted results are shown above.

I ran the timer at several detents up to one full turn of the timer wheel.

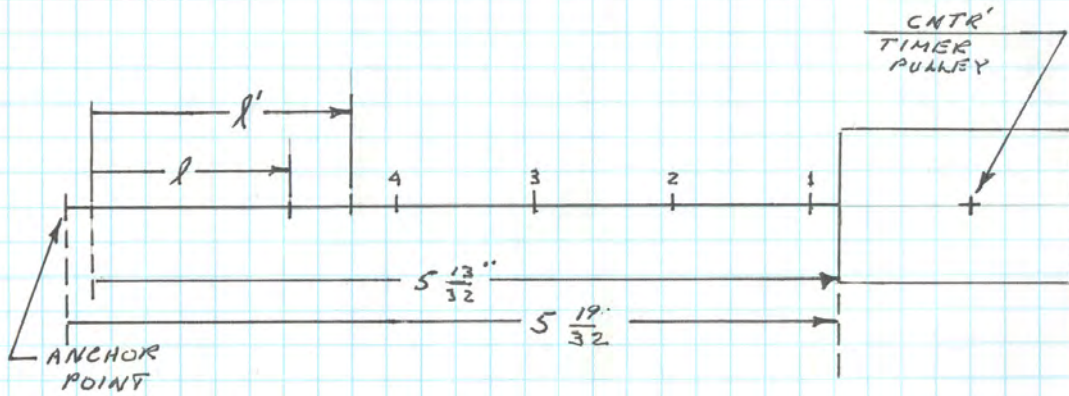
Then at one full turn, I ran the timer ten times and recorded the results. The vertical bar shown defines the limits of the data obtained. The circle symbol shows the average of the ten times recorded.

This was repeated at 2, 3, and 4 complete timer wheel turns. The upper and lower lines drawn on the plot show the limits of the variable nature of the timer under the test conditions. Room temperature was constant at 60 degrees F during the tests.

Conclusion: Variation of the times obtained (20 to 50 seconds) was more than I hoped to see, however reliable DT times up to 3 minutes plus appear to be achievable if the lower line on the plot is used as a basis for setting the timer. One must be prepared to accept the probability that any given flight may exceed the desired DT time by several seconds.

Ed Lamb
edsplace2@Comcast.net

SPRING WOUND FROM .008 WIRE
 l = RELAXED SPRING LENGTH
 l' = l + INITIAL EXTENSION
 INITIAL EXTENSION REQUIRED = $7/16$ "
 LANYARD LENGTH = $4 \frac{1}{16}$ "



IKARA SETUP ON MISS WORLD'S FAIR

Ed Lamb
edsplace2@Comcast.net

Note: The triangle symbols plotted on the IKARA Characteristics Chart are results obtained from the original Miss World's Fair setup that had a different IKARA timer and used a single strand of elastic provided with the timer instead of a spring. The results for this original setup are pretty consistent with the new set up after all.



Winter Projects

The *Atomiser* plan on the previous page was originally a freeflight designed by John Tatone in 1941 for the Atom .098 engine. It had a span of 46 inches and a wing area of about 275 sq. in. It has been enlarged slightly for ½ A Texaco R/C and is just about the right size for Bob Macklin's Speed 400 event. Bob Hatch is building one of these for the Speed 400 so we shall soon see how it flies. Build a S 400 Old Timer and join the fun at 60 Acres!

Bob Hunt's Tiger Zipper



Pretty neat, huh?

Don't forget the NW Model Expo at the Evergreen State Fairgrounds in Monroe February 9-10.

The *Really* **GREAT** SAM 8

PROCEPT

With the
Flying Aces and
The Strat-O-Bats



The **2007 Misery Meet**

9 to 4 Saturday

8 to 3 Sunday

February 23 & 24

Harts Lake Prairie, Spanaway, WA

EVENTS

OLD TIMER

30 Second Antique
Pylon, ABC Combined
Fuselage, ABC Combined
Small Rubber Stick/Fuselage
Large Rubber Stick/Fuselage
Commercial Rubber
020 Replica

NOSTALGIA

A Nosgas
B/C Nosgas
1/2 A Nosgas
Early 1/2 A Nosgas

R/C EVENTS

1/2 A Texaco
LER Electric/Gas Combo
6 att. 3officials, 7min max

SPECIAL

Ohlsson 23
Catapult Mass Launch
Dakota Time Target

AMA EVENTS

1/2 A, ABC Gas Combo
P 30
Catapult Glider

AWARDS - Merchandise

Entry Fee \$4/event, \$16 max

Contest Director: Jim Walters
240 SW 184th
Normandy Park, WA 98166
206-244-3936

A National Cup Contest

How to get there

Take Pacific Avenue, (State Route 7), south from Tacoma to SR 507. Proceed one mile to 8th Ave South and go south, (left turn), approximately 3.4 miles to gravel driveway on right. Proceed on rough dirt road about 1/2 mile to center of field and look for cars, airplanes and happy faces!

Information about Army Range Property

The Army requires that we post the following notice on all our announcements for events that will be held on Fort Lewis training areas. They have a legitimate concern about our exposure to injuries and wish to minimize their liability.

-Notice-

This is to inform you that Fort Lewis Property is dangerous and that you are entering at your own risk. Please ensure all members of your party are aware that areas you enter have been part of a military training area for 80 years and may contain unexploded munitions, concertina barbed wire, foxholes, excavations, wheeled and tracked military vehicles, and various training activities. You are not authorized to remove anything from the installation unless specifically covered in a license agreement, i.e. fishing license allows you to take fish. Should you come across unexploded munitions of any type do not touch them. Call military police at 967-3107 or range control at 967-6371 and report the location immediately.

2008 Contest Calendar

Date	Event/Field	Contest Director	Award
Feb 2, 3 ☺	Fun Fly/TA 15		
Feb 16, 17 ☺	Fun Fly/TA 15		
Feb 23, 24 ☺	Misery Meet/HLP	Jim Walters	Merchandise
Mar 1, 2 ☺	Fun Fly/TA 15		
Apr 12,13	Spring Opener/HLP	Robert Hatch	Merchandise
May 24-26	Memorial Meet/HLP	Ken Spiller	Merchandise
Aug30-Sep1	Labor Day Bash/HLP	Walt Johnson	Merchandise
Oct11,12	Autumn Thrash/HLP	Ted Katsanis	Cash

Dates with the smiley face ☺ have been approved by the Army. They are occasionally subject to change. Please check before leaving for the field.

2008 WMC Outdoor Contests – Dates Probable

August 23 & 24 NW FF Champs @ Parker's Field

September 13 & 14 Silents Please and OT Champs @ Parker's Field

October 3 & 4 Fall Annual Recycled Trophy Contest @ Parker's Field

Other Contests in the NW All at 60 Acres Park - Redmond

MayFly – Mid May, (17-18?)

SAM 8/FAC/SOB – Mid June (14-15?)

Stahl Mooney -- Mid July

Quiet Riot -- Mid August

The RG SAM 8 Activities and Event Schedule

Date	Event	Activities	Time
Jan 10/2007	Luncheon at the Rainbow	Demos/Auction	11:30 AM
Feb 9-10	NW Model Expo/Monroe WA	Man booth, sign members	9AM – 5PM
Feb 14	Luncheon at the Rainbow	Auction	11:30 AM
Mar 13	Luncheon at the Rainbow	Demos/Show& Tell	11:30 AM
Apr 10	Luncheon at the Rainbow	Auction	11:30 AM
May 8	Luncheon at the Rainbow	Demos/Show & Tell	11:30 AM

The Really GREAT SAM 8 meets for lunch the second Thursday of every month, 11:30 AM at the Rainbow Café in Auburn where we feature show & tell, demos auctions and fellowship. Come join us.

The RG SAM 8 Newsletter is published monthly, (more or less) and is posted on our website at www.geocities.com/the_great_sam8/. Subscriptions by mail are \$10 per year. Membership is \$15 per year or \$25 for 2 years. (Note: 2 years with newsletter is \$45). Send your check made out to SAM 8 to Homer Smith 14719 32nd Dr SE, Mill Creek, WA 98012-3851 Ph, 425-338-3851.

Fri. May 23rd – Noon F1E Bissonette Mem.		
Saturday May 24 7 a.m. – 5 p.m.	Sunday May 25 7 a.m. – 5 p.m.	Monday May 26 7 a.m. - 2 p.m.
MODERN EVENTS	MODERN EVENTS	MODERN EVENTS
ROW Power and Rubber E – 36 CO ₂ Jetex/Rapier AMA ½ A (Jr. and Open) Hand Launch Glider (pen) (Jr. and Open) P – 30 (Jr. and Open) Mulvihill	ROW Power and Rubber E – 36 CO ₂ Jetex/Rapier AMA A/B Catapult Glider (pen) (Jr. and Open) Super D	E – 36 CO ₂ Jetex/Rapier AMA C/D Moffett
NOSTALGIA EVENTS	NOSTALGIA EVENTS	NOSTALGIA EVENTS
Early ½ A Nostalgia ¼ A A/B Wakefield	Early ½ A Nostalgia ½ A C Wakefield & Nostalgia Rubber	Early ½ A Nostalgia Nostalgia Rubber
CLASSIC	CLASSIC	CLASSIC
½ A Classic Towline	½ A & A/B Classic Towline	A/B Classic Towline
BISSONNETTE MEMORIAL	BISSONNETTE MEMORIAL	SPECIAL EVENTS
FAI Events 8 a.m. America Cup F1A, F1B, F1C, F1P (Jr. & Open) (Note: F1E is flown on Friday at noon)	FAI Events 8 a.m. Vintage FAI Power 10 a.m. F1G, F1H, F1Q, F1J Sponsored by Grassy Knolls FAC Sq. 69 Following governed by FAC Rules: FAC Jimmy Allen, Rubber Scale, 11 a.m. – WW II Mass Launch	
OLD TIMER EVENTS	OLD TIMER EVENTS	OLD TIMER EVENTS
½ A Texaco 8 cc 7 a.m. – 11:30 a.m. A/B Pylon & C Fuselage Small Rubber Stick & Large Rubber Cabin 8 oz. Wakefield Rubber Scale & Gas Scale 2 Bit Rubber ROG	Texaco 7 a.m. - 11:30 a.m. A/B Pylon & A/B Fuselage C Fuselage & C Pylon Small Rubber Stick & Small Rubber Cabin Large Rubber Cabin & Large Rubber Stick 8 oz. Wakefield & .020 Replica Rubber Scale & Gas Scale 2 Bit Rubber ROG	¼ A Texaco 7 a.m. – 11:30 a.m. A/B Fuselage & C Pylon Small Rubber Cabin & Large Rubber Stick .020 Replica Rubber Scale & Gas Scale 2 Bit Rubber ROG
UNOFFICIAL EVENTS	UNOFFICIAL EVENTS	UNOFFICIAL EVENTS
7:30 a.m. Gollywock Mass Launch 9:30 a.m. “The Mikkelson Memorial” Twin Pusher Mass Launch Night Gas	7 a.m. Dawn Mulvihill Hatrak Flying Wing: Wet Power/Rubber Power/Electric/Jet	Hatrak Flying Wing: Wet Power/Rubber Power/Electric/Jet

38th ANNUAL U.S. FF CHAMPIONSHIPS & BISSONNETTE MEMORIAL

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Return to:
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14719 32nd Dr. SE
Mill Creek, WA
98012-5032

Bob Harper
6038 S Robinson Rd
Freeland WA 98249-9556

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FAC Sq. 34 &
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FIRST CLASS
You Betcha