

WHAM



Issue JE-94
November 5, 2011

Official Publication of the Wichita Historical Aircraft Modelers, SAM 56,
and the Kansas Sunflower Squadron, FAC Squadron #23

NEWS, VIEWS and REVIEWS

The Burley Programmable Simple Timer (PST)

This flying season I began using an electronic DT timer after complete frustration with Sig fuse during the 2010 flying season. I was calling it refuse by the last meet. Lee Campbell now has a warning up on his site stating "Don't use Sig fuse. It puts your plane at risk." I could have told him.

An article in the NFFS Newsletter giving a description and operating procedure of the Burley PST caught my eye. After reading the article a couple of times, I wasn't completely clear on the use of the SPT but I needed something to bring my planes down, so I ordered one. I am completely happy with the timer (I have two) and highly recommend it to anyone interested in reducing the drama in endurance model flying.

Here are the reasons why I have become such an advocate for this little device.

It is programmable in any combination of 1 min or 5 sec intervals.

It weighs 1.5 to 1.6 grams, including battery.

Programming is easy once the procedure is learned. It takes a bit of practice.

It works every time.

You can launch in less than 5 seconds after detecting lift.

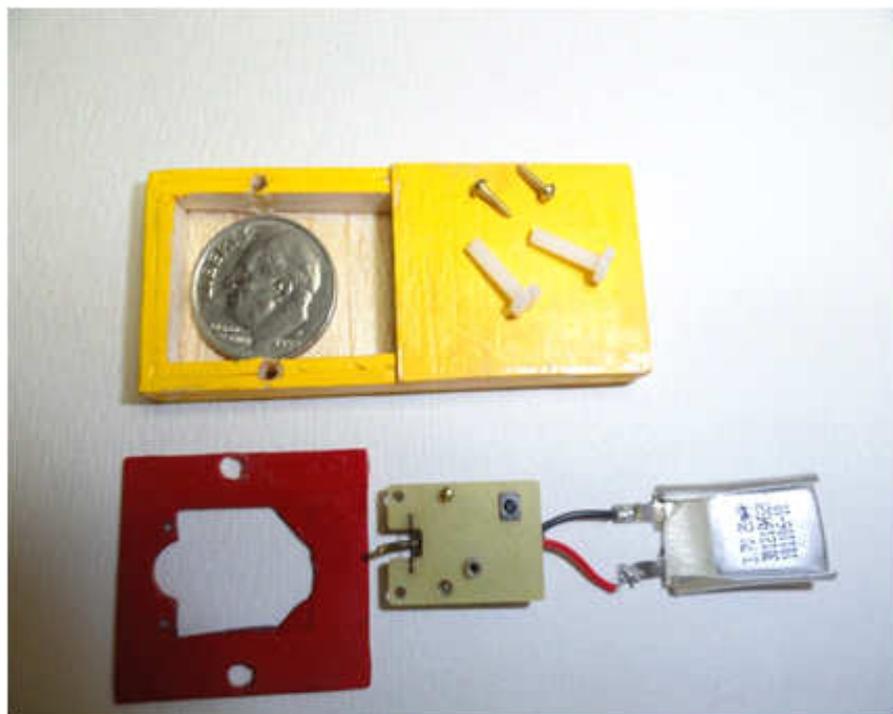
Rerigging for the next flight is as simple as installing a new DT rubber band. No fuse to cut or old fuse to be dug out of the snuffer tube.

The two features that are most valuable to me are precision timing and reliability. No more short or long fusing. Recently on our field, I was flying my Mulvihill from east to west.

After acquiring a sense of the wind drift, I was able to drop my plane within 20 to 30 feet of the western boundary of our field. This was important because it allowed me to

observe the plane under more power and watch it glide in air free of ground turbulence. I'm sure I couldn't do that with a fuse.

I'm including some pictures of the set up I use.



September 24, 2011 Meeting Minutes

ATTENDEES:

Mary Kay & George Avila, Les DeWitt, Paula & Jeff Englert, Darlene & Richard Kirkland, Jnae & Earl Griffith, Elanor & Jack Phelps, Cahrlene & Ed Salguero, Terry Trisler, Dan Walton

President Avila called the meeting to order.
The previous meeting minutes were approved as read.
The treasurer's report was read by the President.

OLD BUSINESS:

The stipend was sent.

Contest reports;

- Perry Report – Jeff, Chuck, Bill, George, and Jim did well. Great time and weather was excellent.

- Denver Report – Jim, Jeff, Chuck and George attended, though overall was down, fun!

NEW BUSINESS:

Meeting moved to Louies!

Remember elections next month.

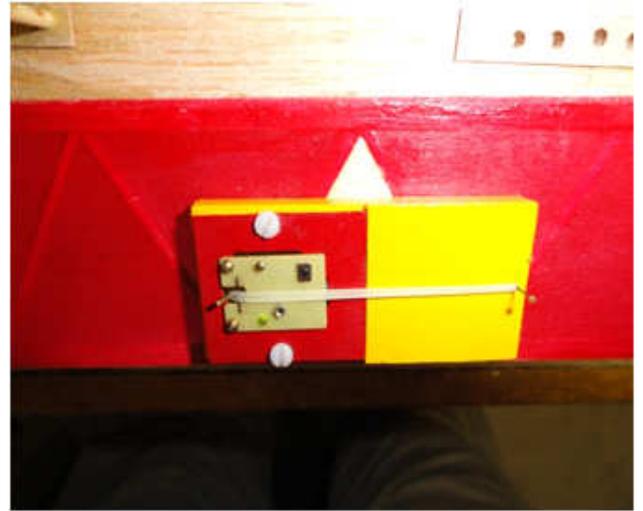
SHOW AND TELL:

Earl Griffith brought in his two Mulvihill models that he described in his recent email to most. The original designs are based on Joe Williams Moffett designs (wings and stabs enlarged, 160 to 298 sq in). He uses Superior prop fronts with his own blades. Both are powered by 45 in of 16 strands of 1/4 inch wide rubber. They utilize a carbon fiber re-enforced fuselage stringers. Each share the electric dethermalizer described earlier in the issue.

The Burley Programmable Simple Timer (cont'd)

The timer and battery are in the lower right hand of the picture. I mount the timer in the 1/32nd ply (red) mount with the small brass screws. The timer and mount can then be placed in the yellow housing and secured with the 2-56 nylon bolts.

This shows the timer, mount, and housing on a Mulvihill. The yellow housings are permanently attached to models and I can easily move the timer and mount from plane to plane by backing out the 2-56 bolts and reattaching to the next model. In this picture a DT rubber band can be seen stretched between a brass peg on the left and a straight pin on the right. The peg is slightly moveable and when a rubber band is attached the timer is "turned on" as indicated by the green LED light that can be seen just above and to the left of the lower 2-56 bolt head. The small vertical wire just to the right of the peg becomes energized and burns through the DT band at the pre-programmed time. The pin (on the right) was used to make this photograph only. On a functioning airplane a line would extend from the rubber band to the stab, first to hold the trailing edge down and then to release it after the DT band has been burnt through.



This shows only the timer mounted in a P-30 pylon which is under construction. This is the only instance where I didn't use a housing to protect the timer from exploding motors, tree limbs etc. The operation of the timer is simple, but would take two paragraphs to explain....kind of like tying our shoes, not that hard but if you had to do it from written instructions we would all be bare foot. I will bring another timer to the next meeting for more demonstration if anyone is interested.

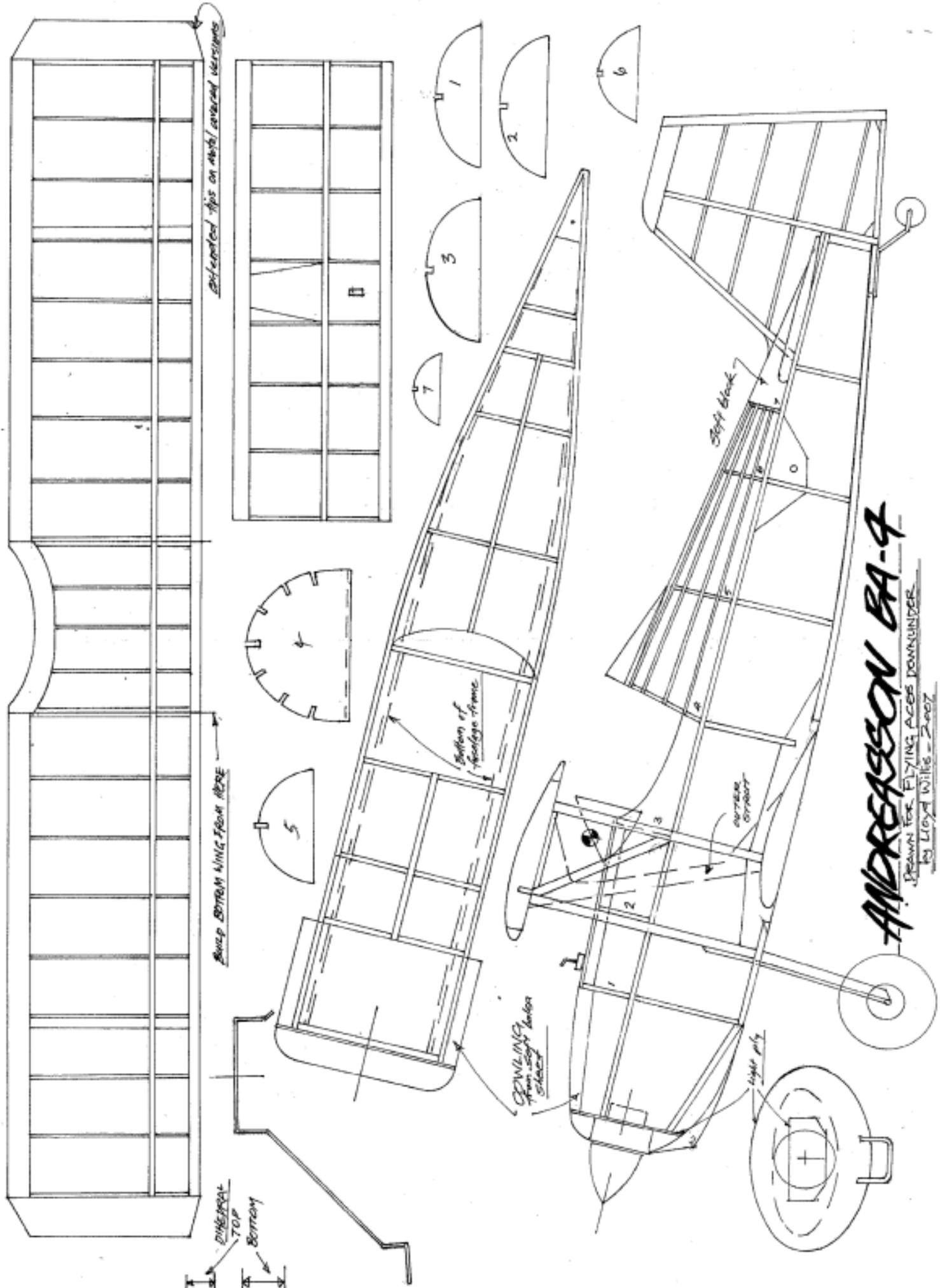
I should tell you that I had trouble with the first timer and had to send it back once for repair and then again to replace the battery. The most likely cause of the problems, I now think, was mishandling on my part. The timer was a new system to me and although I don't remember a specific instance of mishandling, based upon recent experience I don't believe the problem arose from poor design or manufacture.



Dave Burley is an elusive fellow. I've not seen an ad for his timers and he doesn't have a web site. You really have to be determined to put in the effort to run him down. However, I've done the leg work for you...this time.

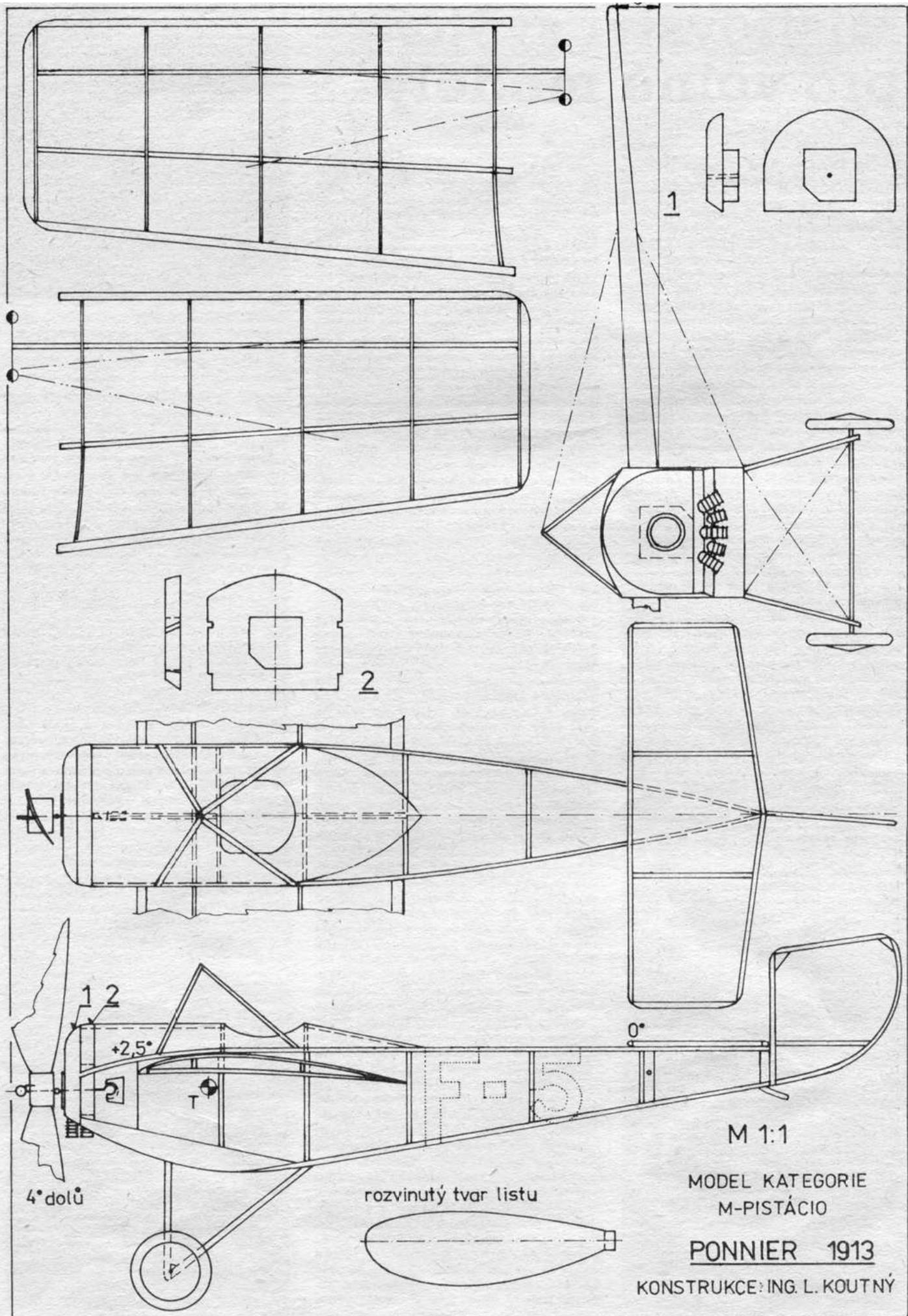
Dave Burley
 14880 S.W. Willamette
 Sherwood, OR 97140

The timers run \$60 or \$65 and the charger \$30 or \$35 the total is \$95.
 Best, Earl Griffith



ANDREASSEN BA-9

Drawn for FLYING ACE'S DOWNUNDER
by Lloyd Wilkie - 2007



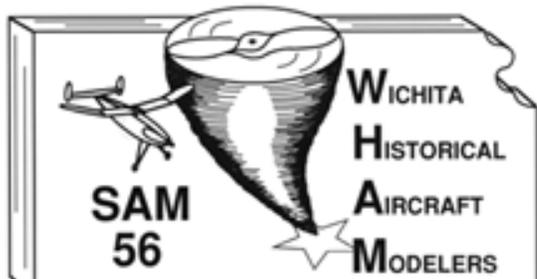
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MODEL KATEGORIE
M-PISTÁCIO

PONNIER 1913

KONSTRUKCE: ING. L. KOUTNÝ

WHAM – News, Views and Reviews
Jeff Englert
10118 Sterling Court
Wichita, KS 67205



**FLYING
ACES**



**Sunflower Squadron
Wichita, KS**

The next SAM 56 Dinner Meeting will be at:

Louie's Grill & Bar

9747 E 21st St N, Wichita, KS 67206

(SE corner of Web and 21st N)

(316) 636-5422

Saturday, November 13, 2011

Social Hour @ 6:00 PM, Dinner @ 7:00 PM..

Upcoming events:

Nov 13 Meeting

Membership Information:

Open to all interested AMA members, founded to encourage and promote the model airplane building hobby. Member dues \$20 annually, Subscription only; \$12 annually, \$18 foreign.

Send checks to Jim O'Reilly, 4760 Battin, Wichita, KS 67220.

All memberships and subscription renewals are due January 1st of the new year.

Club Officers: President: George Avila,

Vice-President: Bill Schmidt 744-0378,

Treasurer: Jim O'Reilly, 744-0856

Secretary: Jeff Englert, 722-7491