

PHOENIX MODEL AIRPLANE CLUB

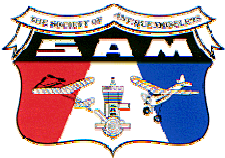
HAVING FUN WITH MODEL AIRPLANES SINCE 1937

VOLUME 12 NUMBER 3

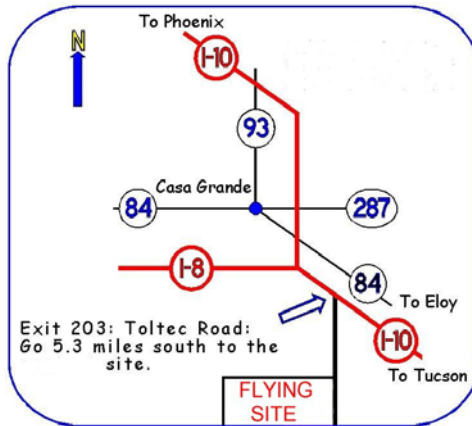
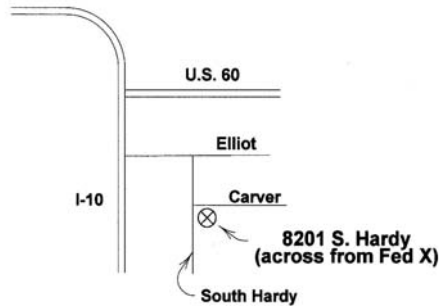
MARCH 2007



NFFS



**FLYING
ACES**



NEXT MEETING

MARCH 13th

7:00 PM.

**8201 S. Hardy
Tempe police Dept.
Auditorium**

NEXT CONTEST

SUNDAY

MARCH 18TH

ELOY, ARIZONA

DUES ARE DUE

Your \$15.00 will help keep us going.

NEW WEB SITE

Thanks to Alan Petersen, we again have a web site

<http://www.freeflight.org/PMAC/>

CLUB OFFICERS

President:

Vice President:

Secretary:

Treasurer:

Newsletter Editor:

Webmaster

Al Lidberg (480) 839 8154

Peter Brocks

Bill Sewel (623)-551-8678

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Elmer Nelson

Steve Riley (505) 615 8112

steveriley@cableone.net

Alan Petersen

alan@apetersenpaintings.com

MEETING MINUTES
Phoenix Model Airplane Club
February 13, 2007

7:00 pm

Location; Tempe Police Substation

6 members present plus one guest, Fred Welsh. Surprise

Phone 623-544-8705

President Al Lidberg called meeting to order

No **Agenda Items** were discussed since most of the club was attending a contest in California

Next month BOM rules and proxy flying will be discussed

Show & Tell

Bill Langelius (phone 480-883-1380) will organize and lead the discussions in the show and tell part of our meetings for the next few months. He stated that one way to increase attendance at our meetings is to have subjects of value in our hobby presented. He would like to have suggestions made by club members forwarded by phone to him for consideration.

Al led off by circulating a set of 1 2 3 blocks available from www.use-enco.com or phone 800-use-enco, the blocks are machined from steel, heavy and useful in model construction for anything that needs to be square. Al also passed around a Stanley Angle Finder, a Radio Shack pin vise, which contains several bits and a Swedish steel carving knife that is available from serious woodworker's stores and websites.

Bill then led the discussion which contained the following information:

We want group participation (discussions) not mono tone one sided talks. Each member needs to suggest subjects to Bill, preferably by phone to him for evaluation and possible inclusion in meetings.

Bill discussed designing your own airplane can be very satisfying after you build several kits. It makes sense to start with nostalgia class and then progress to a higher performance model. Two books were circulated, Circular Airflow and Model Aeronautics Made Painless. A thorough discussion on design parameters and reasoning followed.

Bill Sewell

Jean Andrews sets a new record

World's Largest "chase bike"

One unique happening of the contest is Jean Andrew's employment of a semi-truck gravel rig to retrieve his classic glider. Jean had a fly-a-way and considered his model lost. About an hour later this huge truck drove slowly onto the field and approached the flight line. The driver got out and presented Jean's glider that he picked up about a mile south of the field. Nice people live around Eloy.

TREASURER'S REPORT

As of this date, we have had a very successful dues collection. At \$15, we have collected \$480 from 33 members. There are just two regular members who have not submitted their 2007 dues. We eagerly await their participation!

Elmer Nelson, Treasurer

NEWSLETTER

A new look. I will be doing the printing myself which gets us a slightly lower cost and we can now have pictures of a much higher quality. So send me some pictures....Please.

Help ! Sometimes it gets a bit hectic around here at newsletter time. Please send contest results as soon as possible. The format is not all that important. I prefer Microsoft Word, but anything will work including on the back of an old grocery bag.

Do try to be accurate though.

Good news ! **Peck polymers** is now in Colorado and open for business.

You can reach them at <http://www.peck-polymers.com/> or **(720) 283-7200**

Steve

PRESIDENT'S CUP - FEBRUARY 24, 2007

Contestant	Event	Time
3 Minute Rubber Glider Combo		
Gene Andrews	Nos. Rubber	451
Roland Lovejoy	Old Time rubber	269
Jim Seamster	Old Time rubber	165
Paul Andrade	Mulvihill	645
Tim Batiuk	C Glider	540
Gene Andrews	C Glider	478
Elmer Nelson	C Glider	386
Paul Andrade	Moffett	477
AMA Classic Gas		
Dick Nelson	Classic A	449
Chris Mays	1/2 A Jr.	121
Catapult/Hand Launch Glider Combo		
Tim Batiuk	Hand Launch Glider	360
Peter Brocks	Hand Launch Glider	128
Elmer Nelson	Hand Launch Glider	31
Tim Batiuk	Catapult C	432
Peter Brocks	Catapult C	425
Elmer Nelson	Catapult C	249
Nostalgia Gas/OT Combo		
Dick Nelson	C Nost	705
Dan Sobala	A Nost	517
Dick Nelson	B Nost	180
3 Minute FAI Combo		
Peter Brocks	F1A	720
Elmer Nelson	FI B	720
2 Minute Combo		
Dick Strang	F1G/H/J	328
Ben Nead	Rocket	184
Jim Seamster	P 30	88

2007 Club Championship Ladder

NAME	POINTS
Brocks	75
Nelson, E	73
Nelson, D	64
Andrews	46
Andrade	44
Sobala	22
Strang	22
Lovejoy	15
Seamster	13
Nead	12

Photos by Bob McKeon



Roland Lovejoy



Chris Mays and Bill Langelius



Dan Sobala, Elmer Nelson, and Contest Director Vic Lichtenburg



nffs

The National Free Flight Society promotes all types of Free FlightJoin today

CIRCLE TOW

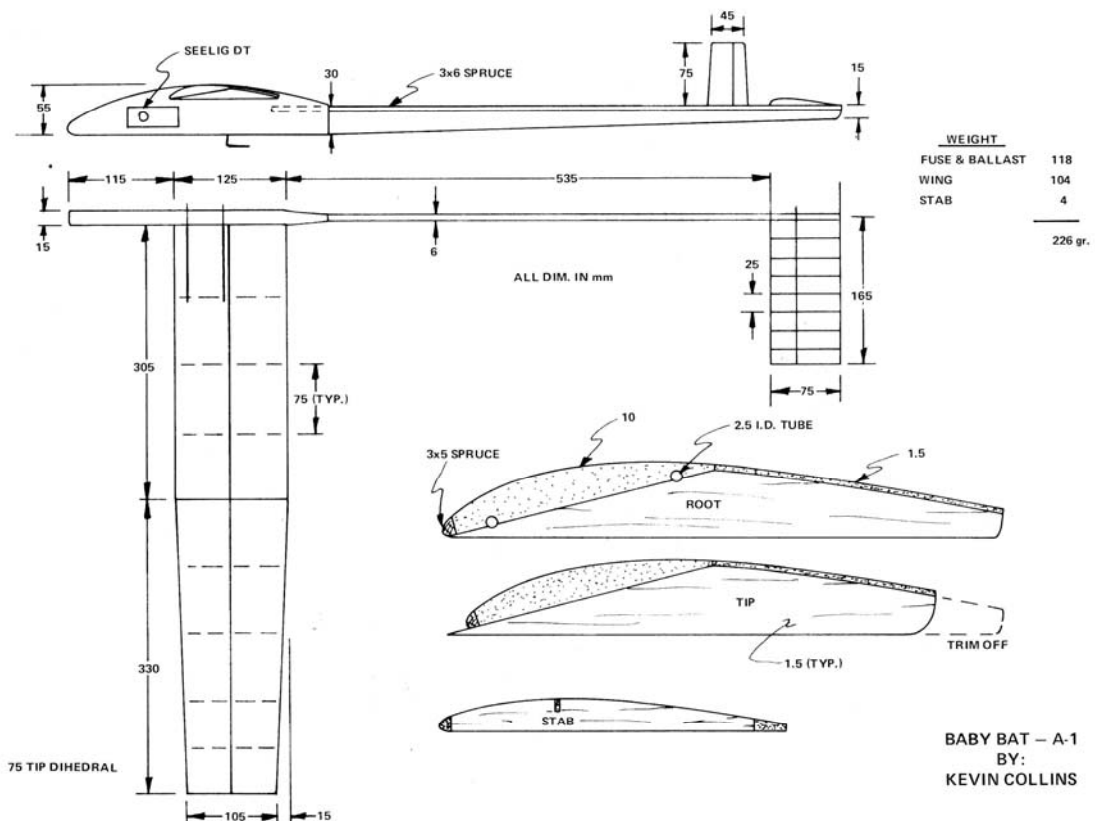
Circle towing of gliders is old stuff these days. It may be a bit of a mystery to those not involved. A close study of the drawing from Bob Stalick's column in Model Builder from March of 1977 should explain the basics.

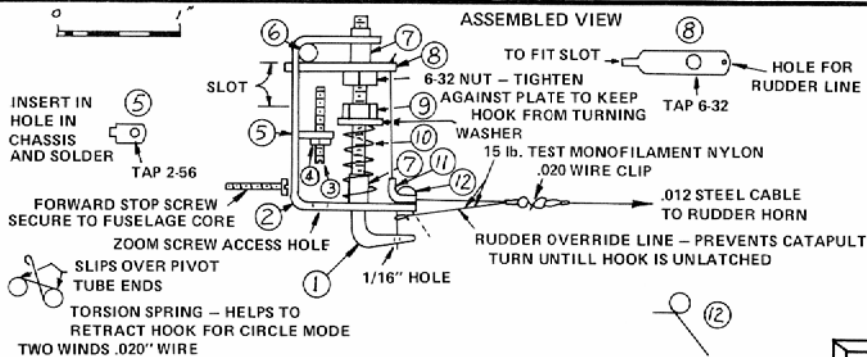
This hook was designed by Mark Nagasawa. Mark's models won a lot of contests in the Northwest in the late 70s and early 80s. A very nice man and a superb craftsman.

Here are some comments from Mark;

- 1.** With the tow ring on the hook, the hook latched, the pin holds the timer off and the rudder plunger forward (with spring compressed). When the towline is pulled under tow, the rudder is held straight (adjustment is by straight tow adjust screw at rudder).
- 2.** A hard pull of 4 to 6 pounds unlatches the hook (unlatch tension is adjusted by moving the unlatch adjust nut up or down on the threaded hook), spring compression allows slight slack on the rudder line, and the rudder moves slightly to give zoom release (zoom deflection is adjusted using the zoom adjust screw).
- 3.** Model is released into a thermal in a climbing turn, the release pin allows the plunger to push the rudder back to the glide setting (adjust using the glide adjust nut) and at the same instant starts the timer.

And here is a nice entry level glider that flies very well.





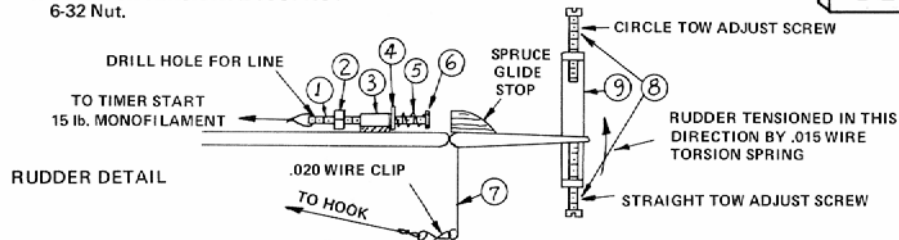
1. HOOK—1/8" steel welding rod; file flat at end, drill hole, bend, cut 6-32 thread top 1-1/4", file for a sliding fit in bearing tubes.
2. CHASSIS—1/16" x 1/4" brass; bend to shape, drill holes and slot.
3. ZOOM ADJUST SCREW—1" long 2-56 screw, file head flush with body.
4. 2-56 NUT—epoxy in place to bind zoom adjust screw.
5. ZOOM SCREW PLATE—1/16" thick brass.
6. PIVOT TUBE—3/32" I.D. x 1/2" long brass tube; solder to chassis.
7. BEARING TUBES—1/8" I.D. x 1/2" long brass tubes; solder to chassis.
8. HOOK PLATE—1/16" thick brass.
9. UNLATCH TENSION ADJUST NUT—6-32 Nut.

10. MAIN SPRING—8-9 turns 1/32" wire (from hardware store, or wound on mandrel).
11. LINE GUIDE—1/32" I.D. brass tube; bend with monofilament inside, slot chassis at bottom and solder to one prong.
12. LATCH SPRING—two winds .020" wire; solder short leg to other prong on chassis.

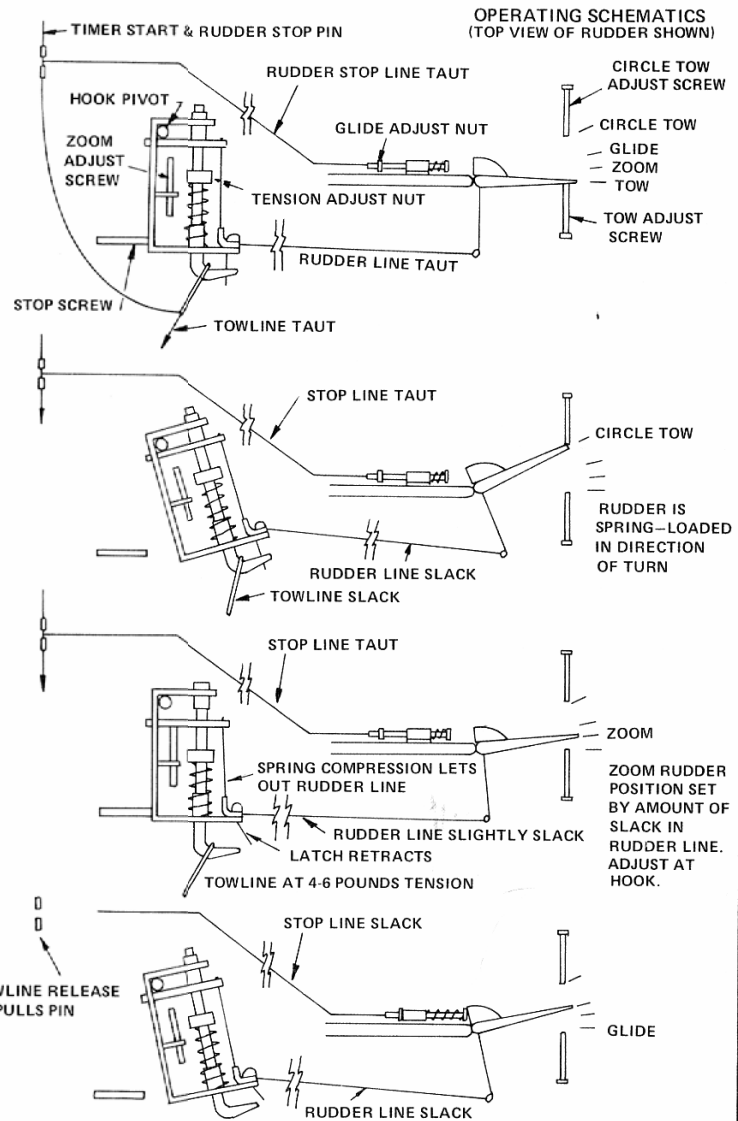
INSTALLATION

Hook pivots on 2-56 bolt set 1-3/8" ahead of CG. Fuselage pod has 1/16" ply sides. Epoxy washers to pod sides at pivot location. Fuselage core is cut out to allow hook movement. Insert hook from bottom. Leg on Torsion Spring bears against top of cutout.

THE M.A.N. HOOK



1. 1" long 2-56 stud; drill hole as shown.
2. GLIDE ADJUST NUT—2-56 nylon insert lock nut (Du-Bro Products).
3. 3/32" I.D. x 1/4" long aluminum tube; attach to spruce block with gauze and epoxy.
4. Washer.
5. SPRING—from ball point pen.
6. 2-56 nut—Hot Stuff in place.
7. Rudder Horn—.020 wire; bend to adjust line length.
8. 2-56 nylon adjust screws.
9. 1/16" thick aluminum U bracket; tap 2-56, epoxy to boom.

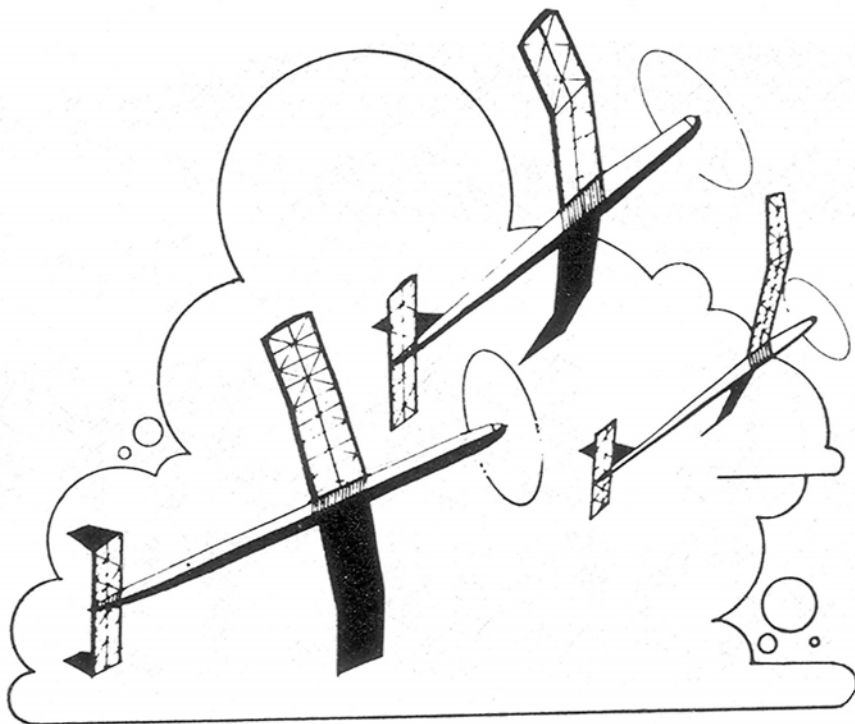


**2007
PMAAC/TFFC
CONTEST SCHEDULE**

December 12, 2006

	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	America & National Cup	
	President's Cup	Spring Break	I-10 Challenge	Hot Stuff	Fall Kick-off	Ghost Riders	Turkey Shoot	Arizona Free Flight Championships	
	Saturday	Sunday	Saturday	Sunday	Saturday	Sunday	Saturday	Saturday	Sunday
	2/24/2007	3/18/2007	4/21/2007	5/20/2007	9/15/2007	10/21/2007	11/17/2007	12/8/2007	12/9/2007
GAS EVENTS								8	7
AMA ½ A GAS	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	
AMA A/B GAS	X	X	X	X	X	X	X		A/B
AMA C/D GAS	X	X	X	X	X	X	X	C/D	
AMA Classic 1/2A Gas	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)		(Jr) (SO)
AMA Classic AB Combo	X	X	X	X	X	X	X		X
AMA Classic CD Combo	X	X	X	X	X	X	X	X	
NOS ¼ A	X	X	X	X	X	X	X	X	
NOS ½ A GAS	X	X	X	X	X	X	X		X
NOS A GAS	X	X	X	X	X	X	X	X	
NOS B/C GAS Combo	X	X	X	X	X	X	X	C	B
NOS Early 1/2 A Gas	X	X	X	X	X	X	X		X
OT .020 REPLICA	X	X	X	X	X	X	X	X	
OT GAS COMBO	X	X	X	X	X	X	X		X
OT RC	X	X	X	X	X	X	X	X	
Rubber Events								4	3
P-30	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	
NOS RUB, Nos Wake, & Comb	X	X	X	X	X	X	X	Nos Wake	Nos Rub
OT Fus Combo Rubber	X	X	X	X	X	X	X	X	
OT Stick Combo Rubber	X	X	X	X	X	X	X		X
MULVIHILL	X	X	X	X	X	X	X		X
MOFFETT	X	X	X	X	X	X	X	X	
FAI Events								3	3
F1A/F1B/F1C Combo	X	X	X	X	X	X	X	F1A,F1B,F1C	
F1G/F1H/F1J Combo	X	X	X	X	X	X	X		F1G,F1H,F1J
GLIDER EVENTS								1	2
H. L. GLIDER	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	
CAT GLIDER	(Jr) (SO)	(Jr) (SO)	(JR)(SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)		(Jr) (SO)
Classic Glider	X	X	X	X	X	X	X		X
Contest Directors	Lichtenberge	E. Nelson	Brocks	Roberge	Loeffler	D.Nelson	Andrews	Burros/Nystedt	
Contest Classification	A	A	A	A	A	A	A	AA	AA
Total Events	26	26	26	26	26	26	26	17	16

Note: All one day contests will be flown in combined categories. Essentially, anything you bring to the field can be flown in one of six categories



**NEXT MEETING
MARCH 13th**

**NEXT CONTEST
SUNDAY
MARCH 18th
ELOY**

PHOENIX

MODEL AIRPLANE CLUB

Steve Riley

605 La Casa De Prasa Dr. S.E.

Rio Rancho, New Mexico 87124