

WMC Patter

Willamette Modelers Club

Vol. 62, No. 3 May-June, 2022



WMC Unmeeting, May 21 + Delta Dart Challenge & Sticks Model Event

OK, so I can't read a calendar. The last issue of Patter stated the unmeeting date at Saturday, May 23. Actually that's a Monday!! The correct date is May 21. That is a Saturday!

So, Starting time at the Grell farm is likely around noon on Saturday, May 21. The unmeeting will begin after all of the flying is in the books, very likely around 2 pm. As usual for the unmeeting, no agenda is available, but items of interest and import will be on the docket, and of course, we'll have show and tell to end things. WMC decals to all who bring models to show.

Bring your Delta Dart or AMA Racer and, if you built something using the 18" sticks that Glenn provided some months back, bring that as well. Glenn has offered a reward for those that fly. (Maybe more sticks?).

Here's your chance to show off your design prowess and completely WOW your fellow clubmates. Even if you don't have a Delta Dart or Sticks model, come anyhow. You can time a few flights or act as a stooge for those who do. Sounds like a fun day!

....AROUND DIST XI....

Outdoor Contest Schedule is shaping up and gets underway for many of us in April. We also have added meets in Washington. See inside for flyers. Here goes:

April 29-May 1 Annual Norcal meet at Waegell Field, CA

May 14& 15 Spring Opener Contest at Elma, WA. SAM 8 Sponsore(see Flyer)

June 18 & 19 Three Amigos Small Field Meet at Tumalo, OR (see flyer inside)

June 25 & 26 June FF Contest at Elma, WA SAM 8 sponsored

Aug. 17-21,,NWFF Champs/5 Days in Tangent. Parker's Field, Tangent, OR (see flyer)

Sept. 9-11 Annual SPOT meet at Parker's Field, Tangent, OR.

Sept. 30- Oct 2 Fall Annual FF Meet at Parker's Field, Tangent, OR.

Oct. 21-23 San Valeers Nostalgia Annual at Lost Hills, CA

B. Vanderbeek, CD

Dona & Tilse, CDs

Bruce Hannah

Dona & Tilse, CDs

Bruce Hannah, CD

Gilbert & Grell. CDs

G. Grell & Sexton

T.Thorkidsen, CD

NWFFC/5 Days in Tangent Meet-On Field Activities

For anyone planning to attend the big 5 day meet in August, there are a couple of added features that you should know about: Bruce Hannah is planning to have a daily auction of model items for all who are registered to fly. Details are still being worked out, but it will be worth your while to stick around for the drawing. Also on the schedule is a swap meet/sale of model items. This event will be held either thursdays or friday in conjunction with the PeeWeePalooza (see announcement this issue) and Friday Night Flying event after the contest ends. Essentially, folks who want to sell stuff can show up on the field with their stuff for sale or trade. Kind of an on field swap meet with flying taking place. Informal but fun!

SAM 8 Contests

The SAM 8 contest flyers in this issue should be accompanied with 4 pages of explanation, but due to space limitations they are omitted. The summary: these two meets have an optional 90 second max format that is detailed in those 4 pages. If you plan to go to either of these contests, my suggestion is that you contact one of the CDs and get the full picture, Some of the events on the schedule are unique to SAM 8, so a bit of inquiry should pay dividends.

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INSIDE: Indoor Contest Results, NWFFC/5 Days Flyer... Night FlyingSan Valeers Annual Report...OT Glider Three Views: Vartanian and Obarski ...More.
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Some Thoughts About the Just Completed Indoor Season

First off, it was good to be back in the SAHS gym again. This is the best local and available site for indoor we have located. The recent remodel of the gym and surrounding area have generally been without problems for fliers as long as the models don't land on the very bright lights which are slightly dropped from the ceiling. That's why the no touch rule is a plus. Gone is the cable that ran from one side of the gym to the center and snagged many a model.

Our relationship with the SAHS athletic staff is excellent, and the AD helped us out several times by lowering baskets and unlocking restrooms. From the administrative end of things, the system for renting the gym has gotten much more complicated as permission needs to be obtained from several sources in contrast to previous arrangements. In fact, as of today (April 17) we still have not been billed for the use of the gym. On another note, the number of indoor fliers has dropped, and I wonder if the interest has waned to the point where it is no longer feasible to hold indoor meets. Our average attendance this year was 6.4 contestants with a high of 8 at the 2 day meet. We had more than 12 different people come and fly, but not all at the same day. On a brighter note, Mark Allison is working with a few potential fliers building P-18 models. Maybe one or more of them will join the fun. And we found another indoor flier--new to our event, David Cammack, Next year will be telling. Do we show an increase in participation or not? I look forward to find out. Meanwhile, indoor fliers can look forward to another full schedule at the SAHS gym in 2022-23.

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Officers of the Willamette Modelers Club -2022

Prexy: Glenn Grell, 31748 Driver Rd., Tangent, OR 97389

Veep: Larry Wacken, 30330 Brush College Rd., NW, Salem, OR 97304

Sec'y: Linda Grell, 31748 Driver Rd., Tangent, OR 97389

Treas: Editor: Bob Stalick, 1930 NW Heron Point Ct., Albany, OR 97321

Safety Officers: Bruce Grell, Bill Swift

Editorial Assistants: Jack Shafer, Larry and Freddie Wacken, Jim Trump did the printing at Trump's Hobbies in Corvallis, Linda Grell did the labels, Garyanna Stalick provided the refreshments. Thanks to all for your help.

Subscriptions and memberships. We produce 6 or so issues of Patter each year. You can check us out on line at <WillametteModelersClub.weebly.com> or you can receive a hard copy in your mailbox. In either case, the subscription is \$5. Membership, which gets you a subscription, decal and member card plus the honor of voting at our meetings, costs you \$6 per year. (No change in dues since 1960!)

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March 20th Indoor Report

By, Glenn Grell, CD

The meet started with the key to the gym not working. Bob was able to contact the athletic director of the school just in time to come open it before he left for the day, so we were able to get in the gym only a few minutes late. We had seven contestants with one more person doing some testing on some new airplanes. We had one flyer in cat and HLG each and put in some goof times. The most flights that were put in were in the stick and tissue or heavy weight as we call them, you know because two to five grams is pretty heavy. It has been good to see Mark Allison back at the contest with his stable of airplanes after a break from flying. It was also fun to see Tom Kopriva with his NorCal scale that he has been flying for what twenty years, it is so stable in the air. Robert Hauk was testing a takeaway dolly for his scale ship that he is planning on taking to the British Nat's next month, Good Luck Robert. The noon mass launch was a mass of two of P18's with no mid airs. The flying slowed down in the afternoon with the lightweight models. With the no touch rules there was more than one flight that ended at less than a minute, but still took some time to come down. We missed Jim 7 James Alderson and Tom Stalick at the meet. We also had Joe Miller are associate VP for District XI and one of his club mates down from Dallas, Oregon at the contest asking questions and taking pictures, it also sounds like they will try to come to one of the outdoor contests this summer, a couple of great gentlemen that like model aviation.

The Results:

HL Glider - 1 entry		Cat. Glider - 1 entry		AMA Scale - 2 entries	
Robt. Hauk	:55.89	Bob Stalick	47.28	Mark Allison	1:30
				Robt. Hauk (Stinson 105)	-DNF

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March Indoor Results(Cont'd)**Peanut Scale - 3 entries**

Mark Allison (Chambermaid)	1:28
Robt. Hauk (Ganagobie)	1:22
Tom Kopriva (Ord-Hume)	1:05

NoCal Scale - 3 entries

Mark Allison (Heinkel)	2:06
Tom Kopriva (Fike)	2:04
Robt. Hauk (Zero)	1:28

Pistachio Scale - 3 entries

Mark Allison (Lacey)	1:18
Tom Kopriva (Kalinen)	:54
Robt. Hauk	:21

P-18 - 3 entries

Michael Altig	2:25
Robt. Hauk	2:14
Bob Stalick	1:20

Bostonian - 1 entry

Robt. Hauk	1:36
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Moorhead Event - 1 entry

Robt. Hauk	1:17
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Noon Mass Launch P-18 - 2 entries

Michael Altig	2:14
Robt. Hauk	1:31

A-6 - 3 entries

Michael Altig	4:10
Tom Kopriva	3:42
Robt. Hauk	3:35

Ltd Pennyplane - 2 entries

Michael Altig	7:04
Robt. Hauk	3:20

April Two Day Contest Report

by George Gilbert, CD

This was a first for me as CD of the two day contest.

Saturday

Having arrived about 10 minutes before starting time (9:50), Bob Stalick had already opened the gym and a good number of people were settling in and beginning to test fly gliders. At or about 10:20 two people flew hand launch glider and two others flew catapult glider. After a short while others began to test fly an assortment of models, typically bostonian and P-18's, some pistachio and peanut scale and AMA scale. At 4:45 we broke for dinner. Several people went together to Elmer's restaurant. Back approximately 6 PM we began the symposium that was put together by Robert Hauk. He was first to speak about building scale models using blue foam and making decals at home. Robert was followed by Bob Stalick who is in the beginning of reading and compiling the many years of the WMC.. Bob spoke of the history of the "Patter" and many fond memories that the reading had brought back to him. Bob was followed by Mike Altig who presented a fine how-to on repairing light weight mylar wings. The use of water proof band-aids cut in small strips was to me a very interesting tip. Mike was followed by the last presentation by Mark Allison about the research and continuing development of prop blade design. Mark's work has been to develop extremely efficient prop blade design using research by several people as it relates to full scale aircraft. After the symposium ended some night flying began. I departed at 8:30 and Robert and Mike continued on till nearly 10:30.

Sunday,

Beginning at 8:30, our usual time for Sunday contests, there was a similar amount of glider testing and such, followed by the heavier scale models and duration planes in the morning, the noon time mass launch was flown by Robert, Mike and Jim Alderson. As it turns out, this was a mass spectator event, not a mass launch. Robert and Jim fell prey to bad luck, and Mike took the honors with a fine 2 minute and 39 second flight staying free of collision with anything. The light weight models began flying soon afterwards with some excellent flights.

CD's notes:

The newly finished remodel of the gym has presented big headaches for us modelers, namely the addition of many small bright LED lights that are suspended just about even with the bottom of the beams. There is also new fire sprinkler piping suspended approximately 12" below the ceiling, centered between the beams making it very hazardous to fly up between the beams. Several models were indeed rescued from hand-ups. A vote was taken of those present to see if the existing "no touch" rule should be in effect next year. The result was a unanimous "yes."

Seven AMA members and One non-AMA individual entered the contest, however there were a lot of people there to watch the fun. I enjoyed the CD work, and it appeared that everyone had a good time.

The Results:**HLGlider - 2 entries**

Robt. Hauk	:56
Mark Allison	:49.73

Cat Glider - 2 entries

David Cammack	58.94
Bob Stalick	46.08

NoCal Scale - 4 entries

Mark Allison	3:01
James Alderson	2:35
Jim Alderson	1:31

April Indoor Meet (Cont'd)

Pistachio Scale - 2 entries

Mark Allison (Lacey M-10) 1:22
Robt. Hauk (Fokker D-8) :21

P-18 -- 3 entries

Mike Altig 2:38
Robt. Hauk 2:21
Jim Alderson :58

Noon Mass Launch P 18 - 3 entries

Mike Altig 2:39
Jim Alderson 80 +
Robt. Hauk :58

1/2 A - 1 entry

James Alderson 3:57

AMA Scale = 3 entries

Mark Allison (Habicht) 1:30
James Alderson 1:21
Robt. Hauk :38

Bostonian- 3 entries

James Alderson 1:59
Robt. Hauk (Boxtonian) 1:37
Bob Stalick (Boxtonian) :57

Coconut Scale - 1 entry

Mark Allison :52

A-6 - 3 entries

Mike Altig 4:44
Robt. Hauk 3:20
Jim Alderson 1:40

Peanut Scale - 4 entries

Mark Allison (Chambermaid) 1:50
Robt. Hauk (Ganagobie) 1:26
James Alderson (BD-4) 1:05

Moorhead Event - 3 entries

Robt. Hauk 1:18
Mark Allison 1:06

Ltd Pennypine - 3 entries

David Cammack 4:59
Robt. Hauk 3:30
Mike Altig 1:06

F1L - 1 entry

James Alderson 5:45

Events with no entry: EZB, Mini Stick, A ROG, Intermediate Stick

San Valeers Annual- 2022. A Windy Experience!

article by Bob Stalick

On Wednesday, April 6, 5 intrepid WMC members gathered at the Grell farm in rapt anticipation of a 750 mile trip to the free flight mecca of Lost Hills, CA. Glenn and Bruce Grell, Bruce Hannah, Tom and Bob Stalick were on their way. Bruce towed the club trailer full of motorbikes and models. Uneventful trip, unless you consider almost being run off the road in Southern Oregon by a wild van driver unexciting. Night stop in Williams with dinner at Granzella's as usual. Next AM, the rest of the trip. Pulling into the field at Lost Hills. we were greeted by fellow club members Forrest and Sara Menanno, who had arrived on Sunday. The temperature at 2 pm was 94 degrees--quite a change for us from the North. We unpacked the trailer and spent most of the day reacquainting ourselves with buddies on the field. It seemed very windy, so not much flying happened. The night was spent at the Days Inn motel after a "dinner" at Dennys.

Friday morning was pleasant and warm, so we went off to the field to begin our competition. The San Valeers decided to fly Cat III, so we had 2 minute maxes. They also changed their format so that any event could be flown any day (just like we do here at the WMC) I flew Golden Age with my StardusterX and made all three maxes plus 3 flyoff maxes and a drop--good enough for second place behind Bruce Hannah.. Son, Tom, did the fetching, so flying was easy. Glenn and Bruce H flew Vintage Wakefield, and Tom flew his WenMac powered Fubar to 2 maxes and a drop, which turned out to be good enough for third place in 1/2A Nostalgia. Tom also had to do some repairs to his E-36, and then spent a fair share of time getting it trimmed out while putting in official flights. As the day wore on, the winds and temps picked up. I think we wrapped up flying around noon and the temps were in the low 90's by then. The winds made it difficult to continue-- topping out in the 15 mph range.

Saturday was set aside as Vintage FAI Power day, and a good complement of fliers had signed up. I never was able to get my new Senator in the air due to some needle valve issues not solved until later. In fact, after the first round, it was decided to finish the event on Sunday with a time to the ground flyoff. The winds had come up early and strong, and competition ground to a halt by mid morning with gusts of 20 mph common. After sitting around and talking for several hours, my son, Ted, who had come to the meet from his home in Altadena, Tom and I decided to head back to the motel to be more comfortable and to catch up on family stories.

Bruce Grell flew his Gollywock on Saturday, but the wind caught it after the DT and broke the wing. A new wing is in the offing. Glenn Grell displayed a trio of P-30 props that he had left in an open glass covered container the day before in the 95+ degree heat, and the props took very interesting shapes--almost artistic, but no longer usable for flight purposes. Saturday was the start of FAI competition as well, and they set up several hundred yards upwind of us. Blake Jensen and Tiffanney O'Dell came for that meet, but the flying really didn't

San Valeers Comments (Cont'd)

get much of a start before being postponed to Sunday.

All in all, we had 10 WMC members present, a nice turnout.

The forecast for Sunday was a repeat of Saturday but with lower temperatures. However, the morning was very good for flying, and contest management said we could record official flights whenever we got to the field. I dug out my new DaBox 1/2A and never got the engine running, and the backup model, my trusty Y-Bar crashed. Not a good sign. The Vintage Flyoff to the ground round netted Ed Decker a first place, followed by Randy Secor and Jim Kelly (I think), Ed's model was powered by a Ron Young modified Cox Conquest and was truly impressive in the climb. Around 10 am the winds started up and continued to get stronger. We packed up the trailer and after saying goodbye to our buddies, left the field around 11 am. Bruce H and Glenn stayed until the contest was called around 1 pm, and they picked up our winnings.

The trip home was eventful from a weather perspective. We had snow, sleet, rain and sunshine. Temps dropped below freezing in Medford, where we spent Sunday evening. The final leg brought us back to the Grell farm around 1 pm Monday.

It was a fun and frustrating contest. Thanks to Rob Cobb, the CD and Guy Menanno, San Valeers President, for holding it. I look forward to my next trip to Lost Hills for the San Valeers Nostalgia Annual in October.

OT HLG and Cat. Glider Event Plans

Ted Vernon is sponsoring two glider events at the August contest: OT HLG and OT Catapult Special rules are 5 flights, all count. Cash to the winner only. In light of that offer, I've included two possible models for your consideration. For HLG, The Obarski, and for Cat, the Vartanian. The plans can be enlarged, or better yet, you can order kits for both plus The Hervat HLG from Retro R/C. Other designs are out there, too: look in the prewar Zaic Yearbooks for some examples.

Sponsor: Willamette Modelers Club

AMA Charter #536

The THREE Amigos...

Freeflight

PLEASE NO
GAS ENGINES OR
MOTORCYCLES!

Small Models Meet & Dinner ^{TBD}

Sat & Sun June 20th & 21st, 2022

Sat: 8am-4pm / Sun 8am-2pm

Tumalo, OR

NEW EVENT
Sky Voyager

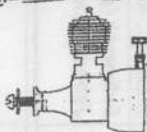
Island Flyer, Double Take, HL Glider, AMA Cat. Glider,
Scale, Runt, P-20, 8" Catapult, Cloud Tramp, E-20.
Special Events: Ladies only catapult glider, Island Flyer,
Double Take, RTF "Lightning"/Sky Voyager.
Flying Wing Canard, Grand Championship

For Information:
CD: Bruce Hannah
Home: 541-504-7180
Cell: 541-527-5193

After a stressful day of competition, relax and have some fun at the...

PEE WEE PALOOZA

Fly anything
powered by a Cox Reed
Valve .020. You will be
automatically be entered in the Palooza
Raffle... you may win "FABULOUS" prizes!



There are dozens of
"sport" free-flight
designs that are perfect for
the Cox .020. See outermone.co.uk.
Unorthodox designs are welcome!

Depending on conditions, we will fly in the late afternoon on August 18 or 19.

Pee Wee Palooza Organizer: Ben Strauss ebe21550@yahoo.com

The Really Great SAM 8 Presents

SPRING OPENER CONTEST - 2022

May 14th & 15th 2022

Jose Torres' Farm, 759 Wenzel Slough Road, Elma, WA 98541

From I-5 Olympia, take the 101 exit west. Follow signs to Hwy 12 toward the coast. Just past Elma, turn left at Keyes Road. Go south about ¾ mile and turn left (east) at Wenzel Slough Road. Look for the signs into the field from there.

Sponsored by the Really Great SAM 8 --- AMA Sanctioned

EVENT SCHEDULE

OLD TIMER	O&R 23 Event OT Fuselage and Pylon	ONE DESIGN	All NFFS One Design Models
NOSTALGIA	1/2A, ABC NosGas combined	P-30	P-30 Half Motor
WOCK EVENT	Gollywock (all varieties) Jabberwock, Dynamoe	1/4A	.020 Replica
GLIDER EVENTS	HLG/Cat Glider combined	E-36	Electric
		VINTAGE FAI	"3 Rounder" incl Cranfield 5
		Weird Terrestrial Flyers (WTF?)	UFO's, B-70, Spaceships, Charybdis, Shop Rags, etc Any engine, gas or elec.

ALL EVENTS ARE AGE CLASS COMBINED

Merchandise Awards are supplied through 3rd Place, courtesy of SAM 8.

1. Registration is from 8:00 am.
2. Registration is \$20 Flat Fee for one or ALL Events except for Sky voyager
3. AMA or MAAC Membership is required of all participants and helpers/timers.
4. AMA membership is available at registration.
5. Events Rules per Current SAM, NFFS and AMA Rule Book!
6. All events 120 second max, if not otherwise noted, and depending on conditions: all other rules apply.
7. ALL EVENTS WILL BE FINISHED BY 3:30 PM (UNLESS YOU'RE STILL IN A THERMAL.....OR FINDING YOUR AIRPLANE!)
8. AWARDS PRESENTATION WILL BEGIN AT 4:00 PM ON SUNDAY.

Lunch will be served on the field \$5.00 for Hot Dogs (maybe burgers) chips and drink
Camping on the Field, Friday setup, and test flying OK.

For Information, contact:

Steve Dona (425)-466-9197 email: steve@dona-arch.com

Will Tilse (206)-631-9130 email: William_ThunderHawk@comcast.net

2022 SAM 8 Spring Opener Contest flyer

The Really Great SAM 8 Presents JUNE FREE FLIGHT CONTEST

June 25th & 26th 2022

Jose Torres' Farm, 759 Wenzel Slough Road, Elma, WA 98541

From I-5 Olympia, take the 101 exit west. Follow signs to Hwy 12 toward the coast. Just past Elma, turn left at Keyes Road. Go south about ¾ mile and turn left (east) at Wenzel Slough Road. Look for the signs into the field from there.

Sponsored by the Really Great SAM 8 --- AMA Sanctioned

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OLD TIMER	O&R 23 Event OT Fuselage and Pylon	ONE DESIGN	All NFFS One Design Models
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WOCK EVENT	Gollywock (all varieties) Jabberwock, Dynamoe	1/4A	.020 Replica
GLIDER EVENTS	HLG/Cat Glider combined	E-36	Electric
		VINTAGE FAI	"3 Rounder" incl Cranfield 5
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Will Tilse (206)-631-9130 email: William_ThunderHawk@comcast.net

2022 SAM 8 June Contest flyer

2022 N.W.F.F. CHAMPS/5 DAYS IN TANGENT

August 17-21, 2022

Sanction No.12807, Cat III

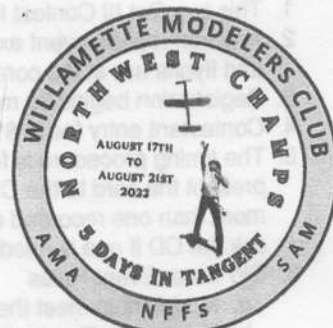
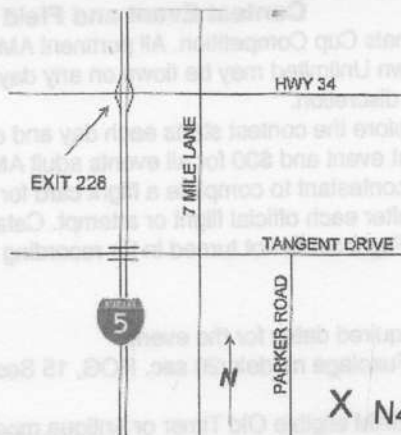
Contest Times:

Wednesday - Saturday 8 AM - 4 PM

Sunday: 8 AM - 2:30 PM

Contest Directors

Bruce Hannah and Bruce Grell
2033 SW 37th St. 32353 Tangent Loop
Redmond, OR 97756 Tangent, OR. 97389
Cell: 541 527 5193 Cel: 541-979-3698
email: bolt1938@yahoo.com



PARKER'S FIELD

X N44° 31' 43s W123° 01' 05s

Flying Field: I-5 to Exit 228E for .5 mile. Turn S. onto 7 Mile Lane. Follow the signs to the field. Call CD if help needed.

Saturday Potluck/ Spaghetti Feed: Join us for a WMC sponsored "free" spaghetti feed/potluck at the Grell farm on Driver Rd. in Tangent. Serving begins @ 6:30 PM. Bring a hot or cold dish and your own refreshments. Coffee will be served. Friends and spouses are all invited. Call 541-926-7237 for info. Maps to the farm are available at the CD table if needed.

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AMA age groupings- All contestants must show current AMA membership cards.

Event Listing-All are for Sr.-Open (Jr. as noted)

AMA Events:

1/2A Gas (J+SO)
A Gas
B Gas
CD Gas
1/2A Classic Gas
AB Classic Gas
CD Classic Gas
ROW gas
ROW rubber
HLG (J+SO)
Cat. Glider (J+SO)
P-30 (J+SO)
E-36 (J+SO)
A Electric
B Electric
Coupe
Mulvihill

NFFS Events:

E-20
Early Nostalgia
1/4A Nostalgia/020 Replica
1/2A Nostalgia
A Nostalgia
B Nostalgia
C Nostalgia
Golden Age
Small Nostalgia Rubber
Large Nostalgia Rubber
One Design Combo
Classic Towline (J+SO)
Andrade Rubber
Dawn Unlimited Rubber

SAM Events:

AB Pylon Ignition
C Pylon Ignition
AB Fuselage Ignition
C Fuselage Ignition
O&R 23,
OT Rubber Stick
OT Rubber Fuselage

Special Events:

Dakota Time Target,
Wock Event,
LoDoc Scale,
Small Sport Rubber,
OT HLG (Cash for First place only)
OT Cat Glider (Cash for First only)
Rounds Events(Extra cost-see flyer)
Pro P-30 on Thursday,
Vintage FAI Power on Friday,
Vintage Wakefield on Saturday.

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I hereby release the sponsors of this contest from responsibility for any claims of damage, loss or injury resulting from any cause while attending this meet, and I assume full responsibility for injury o any person or property. I hereby agree to follow the AMA Safety Code, and to obey the instructions of the meet officials.

Signature.....

Print Name.....

Address.....

City.....State.....

Zip.....AMA No.....

Entry Fees: Open member-\$10 for one event. \$30 for all non rounds events. Youth-No entry fee.

*Lo Doc scale rules can be found on the WMC website. **National Cup events as per NFFS Rules

Notice: Flight cards must be returned to the Contest desk after each flight, except for HLG and Cat. glider, which may be returned after 2 or more flights. All HLG and Cat. flights must be launched from the glider pen.

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The 2022 NW FF Championships/ 5 Days in Tangent will award merchandise prizes to the top 3 finishers in each event. Juniors will have first pick.

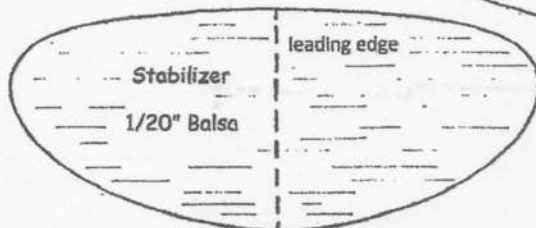
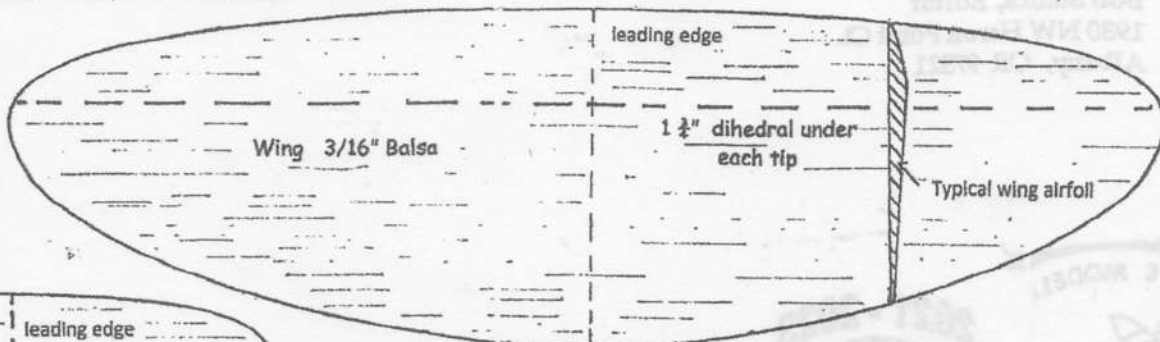
Contest Event and Field Rules

1. This is a Cat III Contest for Nationals Cup Competition. All pertinent AMA, NFFS and SAM Rules apply.
2. Any non rounds event except Dawn Unlimited may be flown on any day of the meet. An event may be flown over more than one day and flyoffs are at the contestant's discretion.
3. Registration begins 30 minutes before the contest starts each day and closes at 4 pm daily except 1 pm Sunday.
4. Contestant entry fee is \$10 for first event and \$30 for all events adult AMA members and \$0 for Youth - (Junior and Senior)
5. The timing procedure is for each contestant to complete a flight card for each event, procure a timer, have the flight timed and present the card to the CD table after each official flight or attempt. Catapult and Hand Launch Glider cards may be turned in with more than one recorded official. Flight cards not turned in for recording are not official. (The WMC may have some timers available, ask the CD if one is needed.)
6. Old Timer Event Rules
 - a. Model must meet the SAM required dates for the event.
 - b. Engine run Times - Pylon or Fuselage models: 20 sec. ROG, 15 Sec. HL. Flyoff flights drop 5 seconds engine run but keep the 2 min max..
 - c. O&R 23 Event is open to any SAM eligible Old Timer or Antique model powered by an O&R 23
6. 1/2A Golden Age event. Model design must be between 1957-1969. Engines allowed: TD 049-051 or Holland Hornet 049-051 only. Engine runs are same as Nostalgia-9 sec. HL or 10 sec. ROG/VTO.
7. E-20: Flight Rules: 20 second motor run/90 second max. 20 second attempt. Flyoffs are 10 second motor run and 120 second max.
8. Wock Event: The event includes any version of the Wock series including the Vargowock. Flown to SAM rules. 2 Min max.
9. The Lo-Doc Scale event will be run in accord with the current WMC Rules (see website) Judging will be by Bill Swift on Saturday afternoon/evening on the field. Official flights will be flown Sunday beginning around 8:15 AM. Special arrangements may be made with the judge for judging or flying at different times. A special end of season set of trophies is offered by Bruce Grell to the highest finishers in all three contests. Contestants may enter up to 2 models at each contest.
10. One Design Event. The Event is sponsored by Bill Vanderbeek. Nostalgia rules apply for engine runs.
11. Classic Towline: The event allows any size towline glider to be flown up to 750 sq. in. total projected area. Any circle tow equipment must be "locked out." Any evidence of circle tow during flight will be cause for disqualification. Three flights of 3 minutes are recorded. Flyoff flights are 3 min. in duration until a winner is declared.
12. Dakota Time Target: The model must be a faithful replica of a Veco/Dumas Dakota biplane. It may be powered by any nostalgia legal .049 engine. The flier must set the time target in advance of the flight with a min. flight of 30 seconds. Winner is the flier whose model is closest to the target. Best single flight of 3 attempts is scored. In case of ties, the best second flight counts. Cash prize for first.
13. 1/4A Nostalgia/020 Replica Combo and Nostalgia Events: The event will use the Nostalgia engine run requirement
14. Nostalgia Engine Runs: 9 seconds HL and 10 Sec. VTO/ROG.. One second ROG/VTO advantage for flyoff flights.
15. Andrade Rubber (Small Mulvihill) This event is for rubber powered models with wing areas of 200 sq. in. or less. Max rubber weight is 20 grams. Maxes are 2, 3, and 4 minutes. Flyoffs are 4 minutes until drop.
16. SAM 8 Perpetual Award- Old Timer Cup: This perpetual trophy is sponsored by SAM 8 for the flier who amasses the most time in any ignition powered old timer or Antique event at any 2 of our 3 outdoor meets. The highest score at each meet for each contestant will be recorded. Flyoffs, if needed, will be at the Fall Annual. In addition to the trophy, the winner will receive \$100 cash.
17. Small Sport Rubber is for any rubber powered model with an enclosed motor and a wingspan of 22" or less. Island Flyer and Runt models are examples. Flight times are 90 seconds. 3 official flights out of 6 attempts of 20 sec, or more.
18. ROW Gas and Rubber: This event is for any gas model or rubber powered model which can sustain a 30 second float test prior to flying. Engine run is 9 sec. ROW.
19. OT HLG and Cat Glider: 5 flights, all count. Cash for first place only in each event (Ted Vernon rules)
20. Dawn Unlimited Rubber will be flown on a day to be determined during the contest, dependent upon predicted weather conditions. Launch Time will be announced when the day for the launch is determined.
21. The President's Cup is given annually to the contestant who scores the most points during the 3 WMC outdoor contests.

Site Considerations and Other Information:

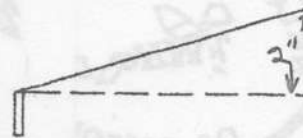
- The WMC asks your consideration when using the site. PLEASE exercise caution with motorcycles especially on neighboring fields. A ground cloth is required if you use a fuse DT system due to fire danger
- No fires of any sort will be allowed on the field. Anyone starting a fire will be asked to leave the field and will be disqualified from competition. Fire extinguishers are available from the contest trailer.
- Four portapotties will be available on the field
- The WMC Raffle will be held again this year. Proceeds go to offset field rent and portapot costs. Drawing to be held at the conclusion of the Fall Annual FF Meet in October. Daily merchandise raffles will be held at the end of each day of the 5 Days in Tangent Meet..

Button and carpet thread on wing leading edge

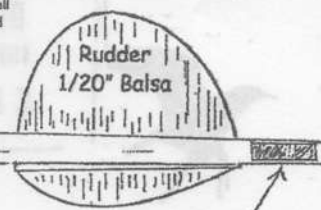


Begin by gluing the two wing parts together. Carve and sand the wing to its needed shape. The airfoil is thinned as the chord grows smaller. Add the dihedral, sanding to get a good fit. Install button and carpet thread on the leading edge for damage control. Sand the stabilizer thinner toward the rear and round all edges. Sand and round the edges of the rudder parts then cut to size for installation.

Round the corners of the fuselage, except where the wing and stabilizer join. Thin fuselage if desired. Install the wing. It is to be square with the fuselage. Same for the stabilizer. No skewing or tilt. Install the rudder parts. They must be in line with the fuselage. Make and install the snuffer tube. Drill a small hole and install the launching hook. Install the aluminum pop can DT part. Wrap both with thread and glue. Add sandpaper grips to the fuselage rear.

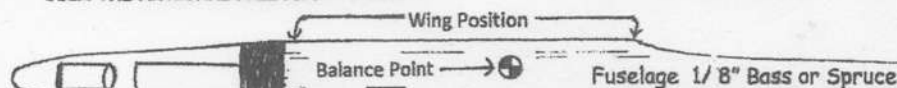


Dihedral sketch (not to scale)



Sandpaper Grips (both sides)

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Top view
Launching Hook .039\"/>

Add your name and address. Finish the model with 2-4 coats of thinned dope. Sand after all but the last coat. Balance where shown on the plans.

The catapult launcher will either use 18\"/>

If you are right handed, the model needs to be flown right-left. Use a slight amount of left rudder and wing tip weight for glide. Make a number of test glides to make sure that you do not have an abrupt stall or dive. You are also looking to see if any radical left or right turns present.

Launch at a steep angle just to the left of the wind. Have the model banked with the right wing down. Take corrective action as needed.

VARTANIAN CATAPULT

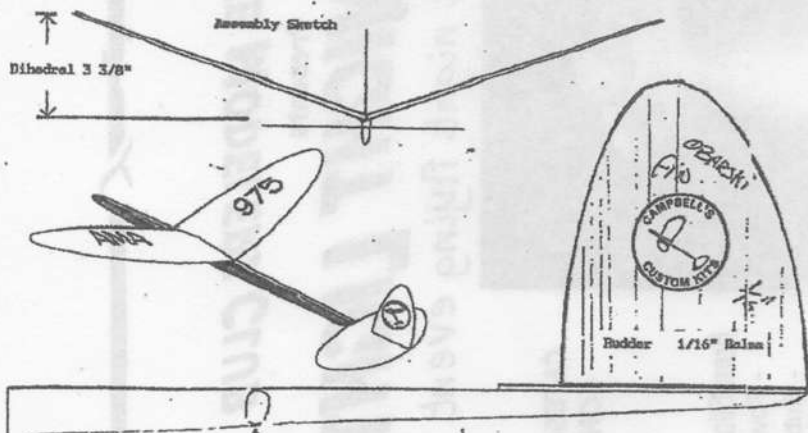
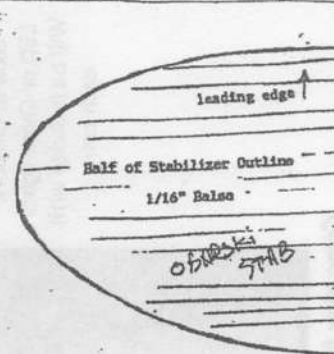
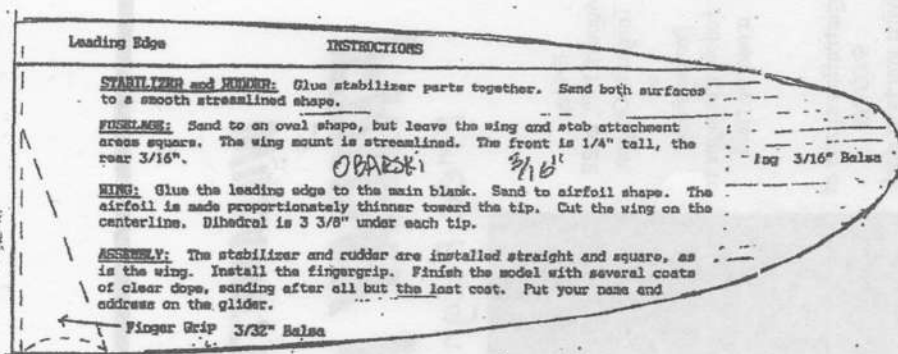
CAM 921 · 12\"/>

DESIGNED BY: Leo Vartanian

KIT ENGINEERING: Lee Campbell

SAM LEGAL

Campbell's Custom Kits
P.O. box 251
Anderson, In 46015
1-765-393-3776



ADJUSTING & FLYING: Although adjusting a glider for correct flight is a fairly tough job, the following tips and instructions should enable the average modeler to obtain satisfactory results. Adjusting the model for flight is begun by first balancing it on the fingertips at the point designated on the plan, adding clay until it balances with the nose slightly down. Then warp a slight left turn into rudder and test glide it. The ship should glide smoothly to the ground. If it stalls, warp the leading edge of the stabilizer on the right side down. Do not add clay to cure a stall, unless absolutely necessary. Keep gliding the model, increasing the power with which you launch it, taking out the stalls as described. When it reaches an altitude of about 20 feet and glides smoothly in left circles of about 30 to 40 feet in diameter, it is ready for a real throw.

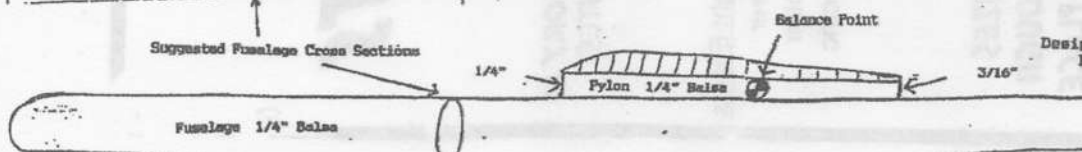
The plane should be thrown in the same manner as a baseball, and up at an angle, with a slight right bank. It should go almost straight up, snap at its maximum altitude and start to glide. If it has a tendency to go on its back before snapping out of the throw, warp down the stabilizer trailing edge; if it banks excessively in the glide, warp up the right trailing edge.

Thank you for your interest in CAMPBELL'S CUSTOM KITS. We would like to hear your comments, both good and bad, about this and our other products

CAMPBELL'S CUSTOM KITS

LEE F. CAMP

Hand Launched Glider Specialists



Designed by:
DICK OBARSKI

OBARSKI

1937 OLD TIME GLIDER

Willamette Modelers Club
Bob Stalick, Editor
1930 NW Heron Point Ct.
Albany, OR 97321



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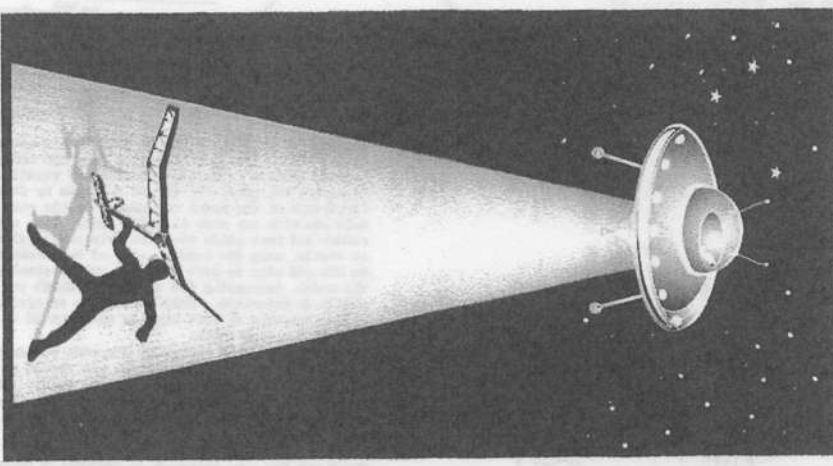
Friday
August 19th, 2022
Tangent, Oregon

at
Parker Field
or follow the signs to
a nearby field

Registration starts at
9:00 PM

Flying starts at dark

Entry Fee \$5.00
Glow in the dark
LED or Chem-lights
will be included with
each entry



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Contact: Jim Taylor
Cell: 503-516-5847

Come play the ultimate game of "Fly and Seek"!

Directions to the Flying Site: From I-5, take Hwy 34E (exit 228) for 1/2 mile. Turn right (south) on Seven Mile Lane. Look for WMC contest signs directing you to the field.