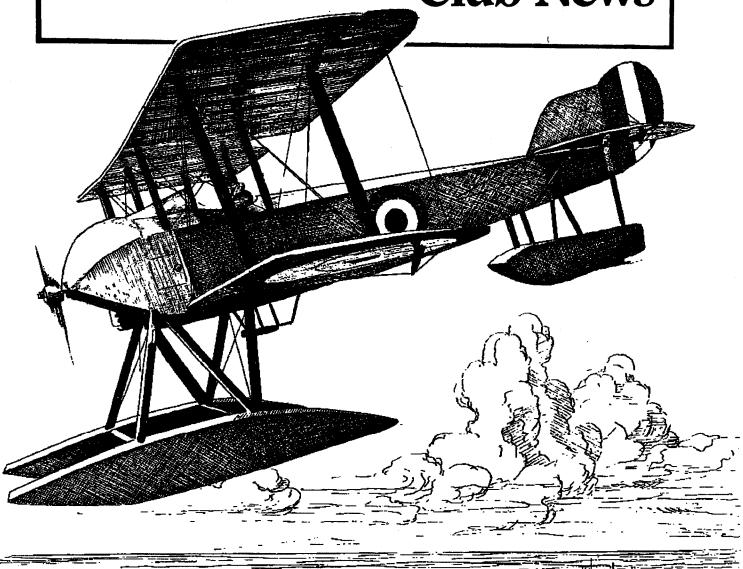
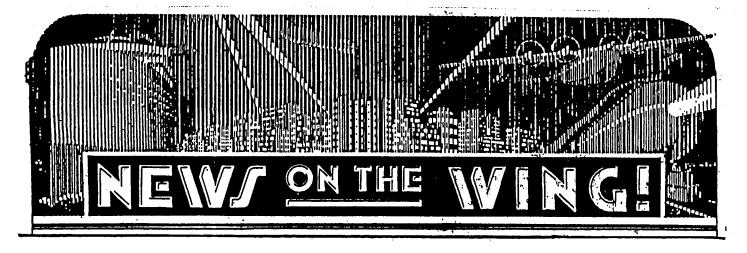
JUNES AND THE STATES

ISSUE #231-157 Sept./Oct. 2006

Club News





COVER STORY.....Sopwith Baby Seaplane, The Sopwith Baby seaplane was produced by the Sopwith Aviation Co., in 1915, as a single-seater tractor biplane for patrol work. It was used extensively by the R.N.A.S. until the end of 1918. This machine was a development of the Sopwith Tabloid, a seaplane version of which won the Schneider Trophy for Great Britain in 1914. Different power units were used from time to time, the most common being the 100 h.p. Mono-Gnome and the 110-130 h.p. Clerget engines. (The cover drawing and story sent in by Tom Nallen, Sr.)

Thanks to all who contributed to this issue. The plans came from; Mike Nassise (Fairchild PT-19), John Blair (Loening M-8), and from our files (Vought Corsair and the Curtiss OC-2). Also included in the plan pack are the results of the FAC Outdoor Champs. A big thanks to Ralph Kuenz and his crew for putting on another great contest.

Funny but true! An FACer called the Quality Inn at Geneseo to see how wide the room doors were. He was shipping his models to the motel and wondered if his shipping box would fit through the door. When told the doors were not big enough he decided to ship it anyway and let the motel store it somewhere till he arrived. On arrivel no one new where his box was so he went to his room and there was the box. When inquiring at the desk how the box got into the room they said they went outside and took out the windows which were wide enough for the box to fit through!

We have several newsletters that have been returned to GHQ marked "temporarily away". If you have been away and you don't have all issues of your newsletter please contact GHQ.

Will the Clubster that purchased the Joe Ott plan of the Curtiss O-52 "Owl" while at Muncie on September 16 &17 please contact GHQ as you only have half of the plan.

Build---Fly---Win......EFF--AAA--CEEE!!!!!!! Col. Lin Reichel, CinC, FAC

The FLYING ACES CLUB

is a society of unique individuals with a common interest that at times borders on a passion. It is our intent to preserve and promote the traditional building and flying of free flight stick and tissue model aircraft. Although competitive at times, the sharing of innovations, assistance and camaraderie is second nature to all that believe in the unique spirit of the FLYING ACES CLUB

FAC FICTION FLYE	R SCALE								FLY	
		FLT.	FLT.	FLT.	SCALE	BONUS	BEST		OFF	
Contestant	Plane	#1	# 2	#3	SCORE	POINTS	TIME	TOTAL	TOTAL	PLACE
Rich Weber	Mystery Tailless	82	65	58	58	15	71	144	 	1
Tom Hallman .	Smilin' Jack X-13	80			59	10	70	139	1	2
John Houck	Joy's Racer	45	46	61	55.5	10	60.5	126		3
Steve Griebling	Booth Ranger	49	49	48	57	15	49	121		4
Walt Farrell	Mystery Tailless	41	23	32	55	15	41	111	125.5	5
Ed Pelatowski	Joy's Racer	36	43		58	10	43	111	104	
Greg West	Scarlet Stormer	37	44		54	5	44	103		
Dave Niedzielski	Mystery Tailless	24	30	32	54.5	15	32	101.5		

Above is the Fiction Flyer event results which somehow were missing from the last issue, sorry.

A LETTER TO THE MEMBERSHIP

The FAC NATS Mark XV is now part of history. To many the NATS is a magical time. To some it's a vacation they wouldn't trade for time anywhere else in the world. And to a few, it is a fifty two week labor of love. There is nothing like the FAC NATS and no one wants any errors to mar the pages of history any more than me, but the purpose of this letter is to admit that yes, errors were made.

After each NATS the results are checked before being published in the newsletter. Occasionally an error has been found. Most of these past errors have been minor and did not affect the final standings of the event. On very rare occasions, standings have been altered with those involved notified and corrective action taken.

This year after the newsletter went to press; GHQ received a letter questioning the results of the Scale Grand Champ. After checking and rechecking, the official result was again confirmed and the information passed on to the author of the letter.

This incident got GHQ to thinking about how to improve all postings and tabulations for the next NATS. We came up with a method and to test it we applied it to the results of all the non-scale events. To our utter amazement, it was then discovered the Non-Scale Grand Champ Trophy was awarded to Vic Nippert in error. Vic, please accept our most sincere apologies.

We also apologize to Don DeLoach to whom the trophy should have been awarded to in the presence of his fellow contestants. We congratulate you Don and hope this public letter helps reduce some of the disappointment you must feel.

This issue came to light from one comment from one member. GHQ encourages such comments. Your input is valuable. You make up the FAC. You are the FAC.

As said at the banquet, "We strive for perfection. Once we obtain that perfection it will be someone else's turn to make it even more perfect."

Thank you one and all for your support and understanding.

Ross P. Mayo, Adjutant to the C.O., FAC

If the box on the right has the dreaded RED "X" in it, it is time to renew your membership which includes the newsletter. Cost is \$15.00 per year in the United States. Cost for Canada is \$20.00 per year. Overseas the cost is \$25.00 per year. All in U.S. dollars. Six issues per year, published approximitly every other month. Please make checks payable to; Flying Aces Club. Send to; FAC-GHQ, 3301 Cindy Ln., Erie, Pa. 16506.



FAC Outdoor Champs 2006

Once again another FAC Outdoor Champs is history. We ran a week later than usual, as mandated by the heavy AMA schedule this year. Actually it was a lucky break for us as it rained the prior weekend. My personal thanks goes out to the great help from Volunteers who really make the meet a success. The folks at the registration tent, Juanita Reichel (the First Lady of FAC) and Lynne and George Lewis, work two full days at processing. And I want to thank the individuals who helped with judging and running the mass launch events. It really is true that good people do good things.

A little word about the theme aircraft for the meet, the Beechcraft "Bonanza:". Again, Bob Bojanowski did the artwork for the "T" shirts. (Bob is having some health problems and couldn't make the scene). The Cleveland plan of the aircraft was obtained from Cleveland Models for less than the printing cost. I had expected to see the owner of this company, John Jacox at the meet. Our well known member, the very artful and talented Steve Griebling, made the overlay sheets to include today's technique in rubber scale modeling. Build one for next year's meet.

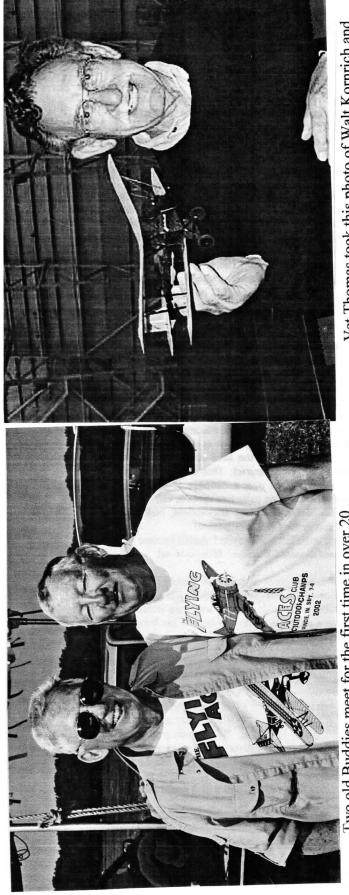
Thanks, Ralph

Jim Detar was declared "Grand Champion".

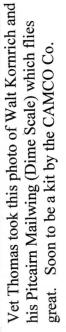
FLYING ACES OUTDOOR CHAMPS MUNCIE INDIANA

September 16 - 17 2006

FAC Scale	2006 Outdoor Champs	EI+ #4	EI+ #2	E##2	ScDte	Ponue	∐i time	Total
C.Starleaf	1 Dash 8-300	97	1 11 72	i it #3	60	25	76.75	161.75
P. Murray	2 Grum. Avenger	120			60	10	82.5	152.5
P. Boyanowski	3 Hannover	84			60	15	72	147
R. Miller	Fokker D-7	48	84	54	59	15	72	146
M. Welshans	Fleet 2	40	46	88	56	15	74	145
P. Bruning	Mitsubishi Pete	54	57		60	25	57	142
J. Reichel	Piper Clipper	120			58	0	82.5	14.5
R. Adams	Tony II	81			60	10	70.5	140.5
P. Azure	Vagabond PA-17	120			57.5	0	82.5	113
J. Tisinai	Navion	44	49	76	60	10	68	138
J. Bair	Aeronca L	36	31	71	59	10	65.5	134.5
M. Midkiff	Shinden	52	54		59.5	20	54	133.5
P. Bruning	Henshel P-75	54	48		60	15	54	129
D. Comelius	Mr. Smoothie	72			58	5	66	129
J. Moses	P-51A	60	42	39	58.5	10	60	128.5
M. Welshans	Martin MO-1	47	35	73	57	5	66.5	128.5
D. Rees	Pander + Zonan	35			60	10	35	124
D. Driscoll	Poncelet	51			58	5	51	114
N. Becker	Great Lakes	41	25	41	58	15	41	114
O. Benton	Waco Special Custom	43			55	15	43	113
A. Backstrom	Curtiss OC-2	31	39		59	15	39	113
D. Niedzielski	Gloster Gladiator	38			60	15	38	113
D. Bubolz	Ryan YPT-16	40	31	40	59	10	40	109
P. Boyanowski	Spartan Executive	35			60	10	35	105
H. Frautschy	Fairchild PT-19	23			57	10	23	90
J. McGillivray	SE-5				60	15		
اٍ. Tisinai	Lacey				59	0		
A Backstrom	SE-5				55	15		
R. Moon	Miles Magister				57	5		
C. Starleaf	Mustang				60	35		
es Bundsal	Antinov AN-2		4		59	18		
D. Rees	D.H. Fox Moth	4	4		60	15		•



Two old Buddies meet for the first time in over 20 years at the 2006 FAC-Nats. Bob Schlosberg on the left and Tom Nallen, Sr. on the right. Bob sent us the photo.





Here is Fred Wunsche with his Miss Canada. Fred is one of our finest photographers.



DOWN MEMORY'S RUNWAY READERS WRITE IN. By Dave Stott

There were many departments in the old Flying Aces magazine to which a reader could write. "All Questions Answered", "You Said It", "Workbench Tips", and News of the Modelers". Finally, there was the original "Flying Aces Club News" which usually occupied about one and a half of the customary 96 action packed pages of Flying Aces magazine. Members wrote in to tell of the activities of their FAC Flights or FAC Squadrons and personal experiences, some of which are related here.

In August of 1938, FAC Jack Elliot, of Santa Barbara, Cal. describes an unusual craft being built out his way. It has the wings of an airplane and control gondola of an airship. The aluminum framed ship contains a gas bag for additional lift and no less than seven motors, one of which is mounted on the nose to create a vacuum! (?) Jack's un-named shop instructor is building it on a field originally owned by pioneer aviator, Earl Ovington. One wonders what became of this endeavor.

In the same issue we find a photo of a model airport diorama built by 20 year old Henry Ruscin and his brother, of Tresckow, Pennsylvania. It features hangars, administration and passenger building, radio shack and towers, and an airship mooring mast. Overhead flies a fifty inch Taylor Cub and a large model of the Hindenburg dirigible. This is one of many such efforts by FACs of those times which were displayed in public places such as theater lobbies, and department stores. (Remember them?) One thing Hank left out was the airport water tower which was responsible for much melodramatics in Hollywood's view of aviation.

In the may, 1937 issue of FA, Brian Murphy, CO of Ireland's FAC Squadron No. 1 complains that a good number of the lads in his squadron have followed the ancient Irish tradition of being unable to keep out of a scrap. "They have gone to Spain to fly there in the Spanish Civil War. The problem is that some are fighting for the Loyalists, while others for the Rebels!"

In the November, 1937 issue we read of 20 year old FAC Gail Mishler ,of Akron, Ohio, who already has had aero adventures to rival those of Major Fred Lord, of whom we read in the Nov/Dec 2004 issue of the FAC News. Gail started out as a model builder, got into 'chute jumping, began flying at 15, now holds a transport pilot rating, and served with the Nationalist Air Corps in the skies over war torn China. Alas, he gives no details. Now, here is a guy you will never be able to keep down on the farm again! There is a photo of Mishler looking quite the man of the world in the slicked down hair style of those times and wearing a very dark overcoat with turned up collar



In an ongoing unofficial contest to see who could make the smallest model airplane, the matter was finally settled in the June, 1941 issue when a photo of a NA-33 "Wirraway" built by John Clarke of Victoria, Australia which spanned a mere 1/8 inch was published.

In the same issue, Ross Smyth, of Toronto, Canada, tells of how being an FAC lead him into aviation. He tells of his position as Dispatch Clerk for Trans-Canada Air Lines. His chief duty lies in supervising the loading of all cargo, which includes handling of the Libra scope instrument. The scope computes the gross weight and CG location of the loaded aircraft. (In U.S. service, Ross would be known as a "Loadmaster".)

THE FAC "ZOO"

In 8/39, Bill Mickelsen, of Racine, Wisconsin wants to be known as the *Raven*.

In 7/38, J.H. Dickson of Glasgow, Scotland calls himself the *Black Hawk*.

In 10/38, Harry McDuff, of Richmond, Victoria, Australia has become the *Flying Phalanger*. Now, just what in a bent strut is a *Phalanger*, you are justified in asking? Well gang, it is a small possumlike quadruped, native to the land down under, with the habits of a flying squirrel. This little critter can glide from tree to tree over a distance of some 250 feet! Maybe he dines on balsa tree sprouts, eh?

In 1/39, Edwin De LaRoi of Bloomfield, Nebraska joined the zoo as the *Crimson Cockerel*.

Not wanting to be left out, maybe I should become the Drop-chested Garbled Warbler! Haw-w-w!

Enlisting notable figures as honorary members in the FAC was one of the activities practiced. Movie actors Wallace Beery and Jackie Cooper were two inducted. Cooper was a model builder, and here is his letter of acceptance.

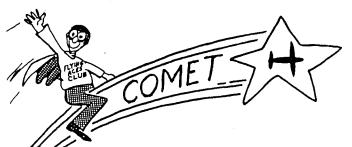
"I am glad to join the Flying Aces Club, for I've read your magazine for a long time, and think it's keen. I always keep one on the set. One time when shooting "Treasure Island", I couldn't find my copy anywhere. After a long hunt, we found Wallace Beery sitting in a corner of the studio reading it. He's a great guy, and a flyer, too. He has his own plane, and flies everywhere in it, clear to New York from Hollywood. Maybe I'll be doing that some day."

"I wish the club a lot of luck, and wish I could meet all of you fellows."

(Signed) Jackie Cooper.

Other honorary members include Jimmie Allen, Zack Mosley, Amos 'n' Andy, Matty Laird, Art Chester, Jack Northrop, Giuseppe Bellanca, Al Williams, Wiley Post, Eddie Rickenbacker, Billy Bishop, etc. The FAC calendar for 2007 is now ready and the cost is \$20.00 each postpaid. Get one for yourself and one for your buddy for Christmas. Send your orders to; FAC, 3301 Cindy Lane, Erie, Pa. 16506.

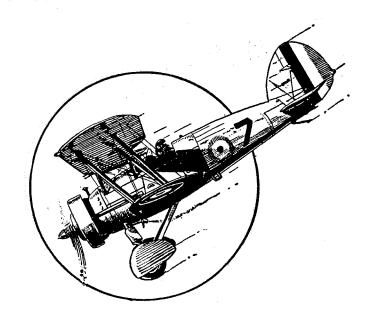


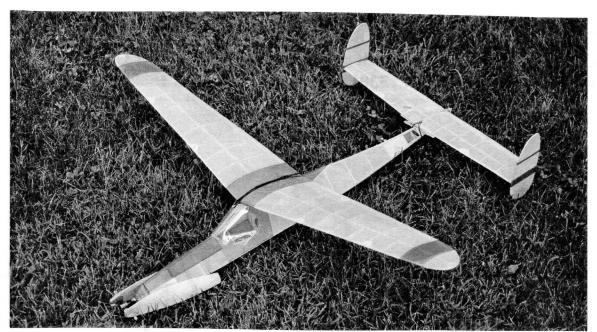


Pilot 1. Duke Horn 2. John Stott 3. Anton Telford	Aircraft Lockheed P-38 Curtiss Falcon Taylorcraft	Time 71 75 48	Bonus 30 15 0	Total 101 90 48
4. Anton Telford	Monocoupe	22	0	22

THE COMET POSTAL IS BACK!

For those of you who have requested us to bring back the Comet Model Postal event your requests have BEEN answered. Fly all of your Comet models, regardless of size and send your times to FAC-GHQ. We will then add bonus points to your score. Contest times will also count. Enter as many models as you wish and any time you better a score with a particular model send in the time. The contest starts now and will end on October 29, 2006. Times postmarked after October 31, 2006 will not be eligible. Send your entries to; FAC-GHQ, 3301 Cindy Lane, Erie, Pa. 16506. P.S. Please give name and wingspan of your model.





Mark Rzadca sent this pic of a model that was found after the FAC-Nats. No name on it. If you think it is yours contact Mark Rzadca, 17 High Point Trail, Fairport, N.Y. 14450. (585) 425-1640.



Charlie Sauter displaying his Yak 11, Bob Schlosberg next to Charlie. Photo by Fred W.

Mark Rzadca also sent this photo of the annual balloon flight honoring our former members who have passed away since the last FAC-Nats.

SECRETS OF FREE FLIGHT.....PART THREE

As far as construction goes, again, "make it light on yourself" -- build something easy. My fuselages are sheet balsa construction with some internal bulkheads to prevent buckling -- that's all. I build this because it is, I believe, lighter for its strength. These fuselages on gas models must be strong and resist twisting if you expect to hold any adjustment at all. Try this with your model: put it together as though you were going to fly it and have someone hold wing about half-way out on each side; then you grasp each side of the stab and twist. If, when you give it this "acid test", you can't move the wing and tail relationship with something like a one pound force for ".19" jobs it should be all right. This experiment will show that wing and tail platforms are holding the surfaces and that fuselage is not twisting. If you witness twisting anywhere, it is easy enough to correct it with your mechanical ability and imagination. The sheet balsa fuselage does not lend itself too well for round fuselage construction; however, round fuselages are very little, if any, more efficient than rectangular ones with the very small cross sections now in use. The wood used in my fuselage on ".19" and ".29" jobs is 1/8" medium soft balsa covered with silk or Skylail. Hard balsa for fuselages is not desirable because of the extra weight; the little added strength is not usually needed. Occasionally one of the local club members will use 3/16" soft balsa (almost indoor wood) and it does fine.

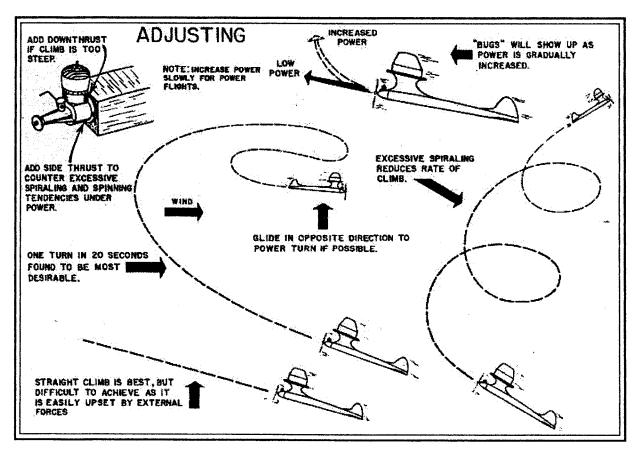
Another thought I would like to add at this point is that I cement rudder on fuselage permanently. The reason for this is that a more lasting rudder adjustment can be obtained. With a rudder built up on stab it is too easy to get it on a little "cocked" or bump the stab on take-off. With rudder on fuselage permanently, stab must slip through fuselage, be behind (or in front) of rudder (and on top of fuse), or be under rudder located on bottom of fuselage. I have tried all three locations and chose the bottom because the slip through system causes too many split fuselages and broken stabs, along with being weaker, as only the fuselage structure under stab can be used to hold the stab. The "staggered" tail group is all right but aerodynamically is not sound for model work. You either end up with rudder moment too short or stab moment too long, or vice versa. I don't say it can't be used; it can, but it should be done with care and some experimentation. If you care to try this "rudder ahead of stab" idea, let me suggest you start with a rudder a little larger than you would normally use and trim down if necessary; also, I would suggest a nose moment as short as possible, and a warning — beware of "spiral dives" or "spin ins" with this arrangement.

Several times during the life of your model the wing may be called on to support more than five times the weight of the model. If you have a two-pound ship it means that the wing may be called on to withstand forces up to ten pounds and maybe more. For wings on the modern model it looks as if leading edge planking is a must, or a "multi-spar" arrangement. There are many good construction methods in use today, but final result rests with the builder. If you would like to have some figures for comparison, my wings weigh (all finished): 500 sq.in. = 6.25 oz.; 600 sq.in. = 8 oz.+; 430 sq.in. = 5.40 oz. These figures are representative of some 90 wings (no, I didn't build them all). (This averages out to be 1.85 oz. per sq.ft.) I can't say too much about stab construction except that by far the majority being flown are too weak. Build your stab like you would build a wing, but keep it light, if possible.

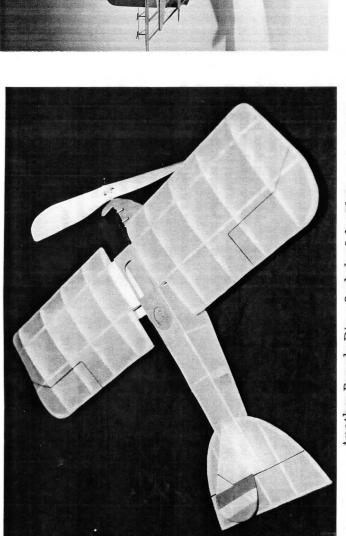
Just a word or two about covering. Jap tissue has become almost a thing of the past; you just can't get it any time you want to. I like Jap tissue on wings and stabs even for ships up to 900 sq.in. Skysail has been used in most places to replace Jap tissue. As far as silk is concerned, it's fine for most any ship, and here is a tip. Department stores sell ladies' pure silk scarves (one yard square) for about a dollar in solid colors or fancy jobs. These scarves are the same silk as the number one grade model silk; they are already colored and are cheaper -- what more could you want? While we are in the department store, they sell very light silk handkerchiefs for 39 cents which are 17" square and come in all colors. They make a swell parachute dethermalizer for ships from 400 to 800 sq. in.

When I finish a ship late at night, which is usually the case, I start off by sleeping late the next morning and going fishing or to a picture show or just anything to keep from flying it I until I am mentally rested and have had a chance to recheck all alignments with a clear head. When I do get around to flying, it's done at the calmest time I can find, which is usually early morning or late evening. Test flying starts with a series of test glides until I am satisfied with the results. Here is what I try for in the glide: first, I keep adding incidence until I have a slightly noticeable mush and then add a little left turn with the rudder or by tilting the stab. I like to use a combination of both of these to obtain a glide turn. If all glide turn is obtained with the rudder, it may require more offset thrust to counteract the rudder, and if all turn is had by a tilted stab, there will be no rudder to offset the gyroscopic action. As far as the glide turn is concerned, I would like to use only the tilted stab as the turn is flat, and the danger of spiral dives in glides is minimized. Sure, the flat turn is not a perfect turn aerodynamically but, contrary to common belief, it results in a slower sinking speed. You may question the slight mush that I spoke of, so here is why. This "mush" was with model gliding straight so, when turn is put in, mush disappears. Did you ever stop to think that the angle of attack decreases in a turn, so a model that has a flat glide going straight might spiral drive in glide if turn is added without adding incidence?

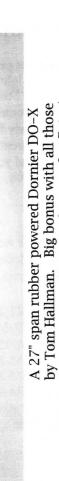
The hand glide is not conclusive in itself because you can't release the model at its exact gliding speed. Just for example, I can take one of my ships, take out all incidence and turn, and with a very hard throw make it glide from my hand. I can also put in too much incidence and glide the model too slow, and it



will still glide. It's my belief that many modelers can't "feel" the model, and there isn't any way I can explain just how it should be done. The system I use is to run into the wind with model in a flying attitude and nose down slightly until I can feel it lift, then give it a push. This procedure is repeated time and time again until the "Push" feels and looks right. Beware of "ballooning" your model when hand gliding it; this seems to be the number one trouble with most of us. So when my arm is tired of "toting" this "box" I check mechanical gadgets for operation "just in case". The first power flight is made at very low power. Low power can be had by pluging the opening in your intake down to a very small air inlet.

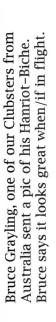


Another Pseudo Dime Scale by John Blair Plan in this issue. Should be a good flyer.





Our own Mike Ditrich from GHQ built this Brewster Buffalo from a Dumas kit. Mike says parts fit great, a nice kit. Not flown yet.



FREE ISSUE RECEIVE A **NEW MEMBERSHIP** (PLEASE MENTION THIS AD) THE JOURNAL OF THE AIRPLANE 1920-1940 JOURNAL OF AEROPLANE DWAR 1 Geroplanes, IN CRESCENT ROAD, POUGHKEEPSIE, NY, 12601 (845) 473-3679 www.ww1aero.org www.skywaysjournal.org

NEW PLANS FOR THE FAC PLAN SERVICE

John Blair has generously donated his plan service to the Flying Aces Club. John's plans are all first rate drawings and several of them have been winners at the A.M.A. Nationals as well as many other contests. Below is listed all of the plans that we now have ready for sale. There will be more added later. The number in parenthisis denotes the number of sheets for that plan. As usual, send your orders to; FAC-GHQ, 3301 Cindy Lane, Erie, Pa. 16506. All Plans are shipped postpaid.

AIRCRAFT	SPAN	SHEETS	PRICE
Cessna AW	30"	(2)	\$8.00
Corben Super Ace	27"	(2)	8.00
Stinson Jr. Model S	26"	(2)	8.00
Pietenpol Aircamper	19.5"	(1)	6.00
SE-5	17"	(1)	6.00
Great Lakes 2T-1A	20"	(2)	8.00
Porterfield CP-65	25"	(1)	6.00
Howard DGA-15P	25"	(2)	8.00
Stinson Jr. SM-2	30.5"	(2)	8.00
Stinson Jr. SM-2	26"	(1)	6.00
Piper Pacer PA-20	29"	(2)	8.00
E.A.A. Baby Ace	25"	(2)	8.00
Buhl Bull Pup	23"	(1)	6.00

Peanuts. Even so, a smaller wing loading is favors the Jumbos -- they are better able to handle larger wing loading numbers than Within this range, model size always better - even for Giant sized above this range, we're in trouble.

exceed 1.5 grams/sq.in. The total range of

well so long as wing loading doesn't

from about 0.4 to 1.5 grams/sq.in. Once

acceptable wing loading numbers runs

When are we in clunker territory?

Mumbo Jumbo #127 from the Glue Guru

* Clunker Rehab *

As sure as death and taxes, to each

leaden in spirit, nasty in maneuver and a bane to our very existence. What can be

of us will come the clunker - a model

First, how do you spot a clunker?

done about these miserable things?

We make use of its key trait, that of high

weight, in turn leading to a great wing

strength that leads to the clunker.

Model size is pertinent, but usually all is

spinners, skis, bombs, pontoons, etc. If you have covered it with a heavy shrink type of Given a large wing loading model, what is to be done? First, do the obvious plastic, consider recovering with tissue. thing and remove whatever is possible perhaps you don't really need prop

speed and attitude to reveal much in a hand power in the hope that a bit of altitude may to start flight testing with hand glides, but I Once lightened, the usual advice is ead to trouble, I think its best to try some glide. As the wrong speed or attitude may find clunkers to be too sensitive to launch help the model to reveal its nature in a safer fashion.

Check your rubber motor and prop Using hand turns, put in about 10% of the and descend in a stable, if too fast fashion. estimated max turns - perhaps 100 or so. Chose a zero wind hour and launch dead Hopefully, the model will gain a few feet evel, at your best guess for flying speed. Stay with this stage until all seems well. Only then should turns be increased.

To extend flight time, there are two options available: more power and changes to the prop. More power means still more weight and prop. redesign smacks of a lot of work. Are these changes worthwhile?

Perhaps. More next time.

scale-like quality, taken together with great

happens to be a desirably low number; one and the area in sq. in., divide weight by the total wing area. With the weight in grams 100 grams on 200 sq.in. of wing, yielding eading to long duration and genteel flight To know wing loading, we need area. For example, a Jumbo might carry measure the model's total dead weight when in ready to fly form, and also the

a wing loading of 0.5 gm/sq.in. This **characteristics**.

duration by trading any excess height for a Low numbers for wing loading are load carried by every bit of wing area. In energy saved is available for climb. With can be low. Moving at a low speed, less mplied by a low number is a modest lift enough lift to offset the model's weight makes for a more friendly model -- one the ones wanted -- the lower the better. energy is spent overcoming drag. The altitude in hand, the model can extend longer glide. Finally, the lower speed turn, the speed necessary to develop ess headstrong

construction. These are: a structure that is too plain finish, lacking in necessary paint and trimmings. It is our natural desire for With all these advantages coming from light wing loading, why do we have heavy models? To some extent they exist likely to be weaker than desirable, and a because of the catches in low number

RAF, BRING HOME VIVID MEMORIES TO MAKE THESE AVIATION ARTISTS, MANY ON DUTY WITH THE STIRRING PAINTINGS OF VARIED AIR COMBATS.

Air Mail

Columbia, MD 21045 6394 Sunset Light Allan Schanzle

Ë

May 8, 2006

100) being shot down. According to the Hi-Lited text, this painting is based on the While scanning some old magazines, I noticed the enclosed page in the January 1943 <u>Air Trails Pictorial</u>. It has a copy of a "painting" of a Heinkel 113 (a.k.a. Heinkel memory of an artist that served in the RAF. It states that both Heinkel planes were shot down, suggesting that this is really a "memory", not just something he imagined that would make a good painting. The only justification I know of that prohibits the He 100 from WW-II Combat is an opinion found in print. Doesn't the enclosed give equal "circumstantial evidence" that the plane was indeed in combat? Perhaps some consideration should be given to certainly falls into the "Spirit of the FAC", and I don't know of any special advantage retracting the exclusion of this plane from the mass launch event. Besides, the aircraft that the configuration has over other WW-II planes. (Ed. Note; Thanks Alan, your finding this article and your views are good enough for us here at GHQ. I think I still have my 20 something years old HE-100 somewhere, I'll have to dig it out!)

13

ZNKLINGS

by Chuck Wenlock



Heinkel 113s upon a Manchester over enemy territory. Both were shot down This painting graphically illustrates the attack

FAC OUTDOOR CHAMPS T-SHIRT AND PLAN

The Cleveland Model & Suppl Co. has generously donated their plan of the Beech Bonanza as the theme aircraft of the FAC Outdoor Champs for 2006. It is also the subject for the Champs t-shirt which was once again done by Bob Bojanowski. The plan also has up-dated material by Steve Griebling that will help to make this a good flyable model.

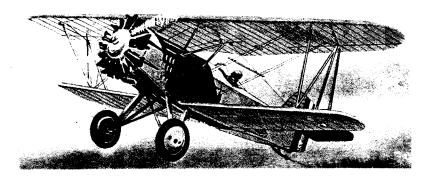
All sizes of the t-shirt are in stock at the present time (small through XXX-L). The price of the shirts are \$15.00 each and the plan is \$6.00, both items are post-paid. Send orders to FAC-GHQ, 3301 Cindy Lane, Erie, Pa. 16506.

FAC T-SHIRT SALE

We still have some t-shirts for sale that we must move to make some space here at GHQ for our new stock. They are priced at just \$10.00 each postpaid. ME-109----large & extra large, Spartan----small & large, Seversky SEV-2----small & medium, Curtiss P-6E----large, Hall Bulldog----small, Cessna Phantom----Medium, large, extra large, xx-large. Youth sizes only, Boeing F4B-4----medium & large.

Still available at \$15.00 each postpaid is the Grumman Wildcat in all sizes from small through triple x.

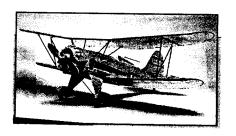
Send your orders to FAC-GHQ, 3301 Cindy Lane, Erie, Pa. 16506.



WANTED; Guillows plan of their Single Motor Transport, 32 inch wingspan. Will pay for same. Edward Carson, Tjornevej 5, DK-6330 Padborg, Denmark.

KIT REVIEW

We have had the pleasure of reviewing the Dumas kit of the Waco YMF-5, wingspan of 35 inches. The kit includes the following; cad drawn plan, instruction booklet, press-on decals, tissue, excellent die-cut lightweight balsa parts and strip wood, wheels, vacuum formed cowl and wheel pants, rigging thread, Etc. This kit is designed for RC and free flight and is light enough to be built for rubber power. Overall, A great kit! See your local dealer or send to; Dumas Products, Inc., 909 East 17th St., Tucson, Az. 85719. Sorry, no price.





by Fran Ptaszkiewicz

It first appeared in the sky's over Stratford, Connecticut during 1943, eventually making over 200 test flight's. Notable test pilot of that period, Boone T. Guyton was at the controls during much of the testing and there are reports that Charles Lindberg among others also flew this novel aircraft from time to time, as designer Charles Zimmerman was seeking input regarding its flight characteristics from other pilots.

Vought Model V-173 was the forerunner of the XF5U-1 and as such provided much valuable information on an airplane which had an almost circular wing planform, somewhat similar to an early 1930's design called the "Arrup".

A demonstration to the U.S. Navy using a radio-controlled model, created enough interest to justify the construction of a full-scale wood and fabric experimental version late in 1941. Powered by two Continental A-80 engines of 80 hp, with large three bladed propellers it was felt this unusual airplane would be able to take-off and land in very restricted areas and seemed like a good design for use on aircraft carriers. A V.S.T.O.L. ahead of its time.

The first flight was made on November 23, 1942, taking off from the Bridgeport, Connecticut Airport. It lasted approximately 13 minutes. With over 131 hours of test flying and the ability to reach speeds of 135 mph and a landing speed of 31 mph, it was found the Zimmermann design handled very well and also turned out to be spin-proof.

As a result of this information the U.S. Navy in July 1944 placed an order for two prototypes initially identified as Company Model VS-315 which the Navy designated XF5U-1.

It's configuration was somewhat similar to the original Model V-173. However metal would be used in the assembly of this airframe from a new material called "Metalite" consisting of some very thin sheets of balsa wood that were placed between layers of aluminum, creating a sandwich effect and thus formed the skin of the aircraft.

Pratt & Whitney R-2000-7 engines of 1,350 hp each were actually buried in the wing on either side of the pilot and drove the propellers through extension shafts and a very complicated transmission system. Cooling was provided by two very large air intakes located in the leading edge of the wing. The propellers which were 16 feet in diameter being specially designed by Hamilton Standard were made of wood that was compressed, impregnated and attached to steel shanks then operated similar to a helicopter, in that they were articulated, meaning the forward moving blade has a positive angle of attack and the rearward moving blade to have an angle creating no lift and therefore, little or no drag.

This feature was to permit the XF5U-1 to almost stand on its tail in mid-air and hover like a helicopter.

The airframe was completed in August of 1945, however, it was not until 1947 that the specially built propellers and hubs were ready for installation. As a result of unanticipated delays in propeller delivery, testing began in late 1947 and continued in a tethered mode thru 1948.

The pilots compartment was located in the leading edge of the wing and a bubble canopy was used that could be ejected during an in - flight emergency. A standard twin-engine fighter type control panel was utilized with the addition of a pitch control mechanism for the helicopter prop operations.

The landing gear was fully retractable with novel dual wheels on the main gear as well as on the tail wheel. Interestingely, due to the large diameter props, the airplane sat on the tarmac in an unusually steep angle when in the three point position.

Some dimensions on this circular wing fighter were; span over the elevators of 32 ft 6 in., a length of 28 ft 7 in and a height in the three point attitude of 16 ft 11 in from the ground to the tip of the prop.

Twin rudder's with all moving elevators outside of the basic wing planform provided control while flaps were located between the tail-planes.

Proposed armament would have either six .50 cal. machine guns or four 20 mm cannon. Two racks were provided under the main wing/fuselage for a 1,000 lb bomb on each or two 150 gallon fuel drop tanks. The range of anticipated speeds was interesting in that it was expected to have a low-speed of 40 mph with a top speed of 425 mph. Water injection could boost the top speed to approximately 500 mph.

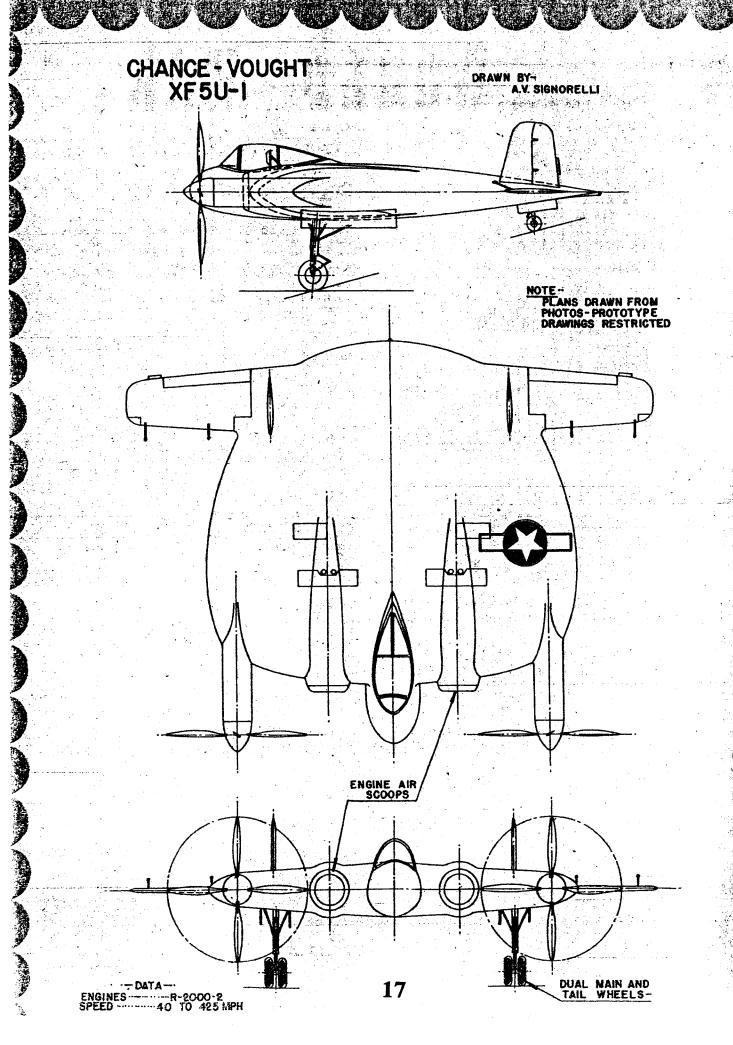
With transporting the ship to Edwards Air Force Base for initial flight testing via a trip thru the Panama Canal, from Connecticut to California being considered another delay, the Navy decided to terminate the project on March 17, 1949 and scrap the XF5U-1 before it made its first flight. Thus this airplane nicknamed "Zimmers Skimmer" or the "Fying Pancake" showed much promise. Yet sadly the end result of a full blown flight test regime would never be known. Once again as with many X-Aircraft being developed under wartime conditions, numerous delays in procuring specialized equipment that was either not forth coming or late in delivery to the point of jepordizing the entire program. In this case the special propellers and controllable pitch hubs were the culprits.

My research has shown that although two aircaft were ordered it appears that only one was actually completed but never flown.

The final color scheme of this completed airplane was midnight blue all over with light blue and white lettering. The propellers were dull black with yellow warning areas on the tips.

The three view included is from the January 1947 issue of Model Airplane News. A much more detailed three view of the XF5U-1 drawn by E. Tage Larsen can be found in the April / May 1984 issue of Air Progress and a very fine rubber powered model plan of the early preliminary design of the V-173 is available from plan provider Mike Morrow in Seattle, Washington. I have a copy and it looks good with tips by Mike on adjusting and flying the finished model.

S.O.S. Wanted; plans & info on the following aircraft; Beech 18, C-47 (DC-3), DC-6 and Fokker F-27. Need for research of the early years of Philippine Air Lines and the aircraft used. Photos in that airline's livery would be great. I would also like to start an FAC squadron in my area. Anyone nearby me can contact me Jack Sarhage, 24 Canterbury Ct., Piscataway, N.J. 08854, E-mail: jacknmel@optonline.net



Flightline

Airy musings by Tom Arnold

Competition spurs me to action. I am never so motivated as when I look at the calendar and see the FAC Nats coming up. I get blind with excitement and my world shrinks down to balsa and rubber. I go through a ritual months in advance as I plot and plan my strategy that will knock those guys at Geneseo on their tails. It consists of trying to figure out what airplanes will be my best candidates for a Kanone in my favorite events. First I go through the rule book and look for loopholes that I could shamelessly exploit.....I never find them but I do get a good rules refresher. Next I read past FAC newsletters that give the report on the past Nats and Non-Nats and try to glean something from the top entries. Then I pour through old books, magazines, newsletters, photos, 3views etc. to see if there is a subject that just jumps out and grabs me. Finally, a few do and I am off and running.

That's the drill; however, I have noticed a very distinct trend as far as the winners of FAC Scale at the Big One. That is, the bonus points are extremely important. The top placers are all up in the 160 point range which means, working backwards, that if you get a 55 in scale points (a gentleman's average) and even fly for 2 looooooong minutes and get 82.5 flying points, you are STILL short 23 points that can only be made up with bonus points. If you fly for a minute, which is still not chopped liver, you are now 45 bonus points short. Jeez, Louise, no wonder I picked a low-winged, four-engine, push-pull, monstrosity as my FAC scale entry. If I could only put floats on it. The problem is pretty soon you run out of odd ball stuff and some of them are OK for a run on a kanone but maybe you don't even LIKE them. Now what? You are stuck as the bonus points are vital. As much as I want to build a Nakajima "Frank" for FAC scale as a simple low wing, single engine subject and no matter how long it flies, it is just not going to hack it as far as a kanone. Luck is nice to have, but not as contest strategy.

I think we have come to the place in FAC maturity that the rules have been delightfully outrun by some very creative and fabulous builders and pilots to the benefit of us all. Remember when Don Srull brought out his Voison for the first time? Conventional wisdom was the thing would dork or make a short, merciful flight. 2 minute flights are the norm with that thing now and everybody says "Oh, yeah, the Voison is just naturally a great flyer" as if it was so obviously apparent from the git-go. And then there was the Messerschmitt P-13 that has won for a number of people (another Srull world beater). Most guys would not have touched a twin-engine flying wing with a 10 foot pole. Twins now are as common as brown sparrows and it takes Dennis Norman's 4-engined fleet to get a stir going. The point is, that thanks to the bonus point system, we have seen an amazing horde of aircraft fly well and win over the years but now we have painted ourselves into a corner. Odd ball and complex aircraft are now de rigueur for winning and I think we have left a lot of good subjects behind and a lot of morale as well. So how do we keep pushing the envelope and yet still give a Rearwin Speedster or a Corsair a shot at a kanone?

Talking with master modeler Bob Schlosberg of Arizona about this, and he had a suggestion that the more I thought of it, the better I liked it. A solution would be to split Rubber Scale into 2 categories based on bonus points. 20 and below would be in one class and 21 and above would be in another. There is nothing sacred about those numbers but I pick it because biplanes get 15 and twins get 25 and that seems like a natural break point. With the spread sheets used on a PC at the big contests, it is a snap to figure the winners out in a second. Small contests can handle it equally easily with pencil and paper.

Whether this would work over the long haul is to be seen but we know what we will get without it—more of the same. This would be exactly the type of thing that would fit into last month's FAC Rules Process I discussed. Another thing to keep in mind is that nothing is permanent—if it does not work after an honest run, change it back. Or, perhaps a trial run, like at the Non-Nats, and gauge the reaction from the participants. What's to lose?



FLYING ACES PLAN SERVICE

These plans are from the FAC contests at Geneseo N.Y. and Muncie, In.

Aircraft	Span	Designer	Price
Erie Times O.T.	24"	Engstrom	3.00
Westland Lysander	25"	Studiette	4.00
Northrop Gamma	36"	Bruning	5.00
Fairchild PT-19	24"	John Low	4.00
Curtiss Gulfhawk .	24"	Wilkey	4.00
Boeing P-26	18"	Wilkey	3.00
Waco C-7	22"	Boyanowski	5.00
Laird Solution	14"	Tom Nallen, Sr.	4.00
Waco "D"	24"	Bruning	4.00
Lockheed Orion	24"	Tom Nallen, Sr.	6.00
Monocoupe	24"	Canada M.C.	3.00
Seversky SEV-2	22"	Tom Nallen, Sr.	6.00
Gee Bee QED	24"	Tom Nallen, Sr.	6.00
GRUMMAN WILDCAT	15"	WHITMAN	2,00

AIR MAIL

July 26, 2006

Dear Lin,

I've been home over a week now from Geneseo and to say I'm still on a high would be understated I think. I had such a damn good time being there and seeing so many people I haven't seen in years and meeting people I've known of but have never met for the first time was the most fun I've had in many years. For the past 20 years I've been running FAC contests out here in the desert and competing at the same time so I've never had much time to socialize with the "guys" who do come. Gene Smith said it all when he told me I could see you were having a good time because you had a permanent smile on your face walking up and down the flight line.

Still, with all the people who attended there were some I didn't get to see because they didn't come, Dave & Marie Rees, and Tom Schmitt to name a few. I guess Marie was not feeling well and they had to turn back. I hadn't seen Tom Nallen, like yourself, since the early 80's at a WRAM's show and I finally hooked up with him on Sunday. The photo enclosed shows that it was a good meeting as I've always admired him and the family he's brought to the FAC. Same with the Stott family, and the two younger boys from both families were perfect gentleman and seemed genuinely interested in meeting me.

For the two days that I walked the flight line the modelers there I met were all so friendly, gracious and complimentary that I was getting embarrassed at so many compliments made to me, along with the surprise that I was actually there.. I don't think I've ever had so many pictures taken of me with someone else. It was beyond flattering. Maybe in a few weeks my hat size will return to normal

I had a short talk with Ross in the middle of the WW II mass launches about the problems of being a CD that was no different even in a small contest. He was having trouble with the talkers who pay no attention when you're trying to get them to listen up, and contestants who seem oblivious to written instructions. I thought he handled it well and I made a few mental notes for myself on how he handled it. with humor. I sometimes am little heavy handed, as in: "will you guys shut up"!

I watched you walk that flight line several times and marveled at how well you were moving in all that heat and humidity when I needed a chair and the shade supplied by a tent to help me be a little more comfortable and rest my weary legs. The humidity was relentless!

Having now seen Geneseo up close and personal I don't know how you can sustain the energy to do that year after year. I remember you telling me once on the telephone that you enjoyed doing it. It has to be a labor of love.

I wonder how many there can even begin to understand the effort it takes to run a contest that size, and also wonder how many there really appreciate that you do it so they can have a good time. In my conversation with Ross he remarked that the whole year is mostly taken up with the planning of the major FAC contests there, Muncie, and the business of running the club on the day to day basis. Little is done in the area of building a model. I'm not surprised. You are certainly one of the "givers" to modeling, along with your crew of helpers.

Being inducted to the FAC Hall of Fame is an honor that I could never have envisioned for myself at anytime in my modeling life. It just wasn't a conceivable thought or possibility to me. I've had a lot of good things happen to me in my lifetime (and a few bad things also, as do all of us). but this honor in this small group of people who fly model airplanes is at the top of a short list of achievements that I will always cherish. I will always remember the honor, the applause, the handshake and the eye contact when I received the plaque personally from you. It doesn't get any better than that! I also owe you a big thank you for giving me the chance to show up to receive the award. It's inconceivable to me now that I almost didn't come due to health reasons. I do have some knee and back problems that make my life very uncomfortable 24/7 as they say, but thank God I thought twice about it and changed my mind. I sure hope you didn't think I wasn't giving the HOF honor respect, far from it, but I guess it might have looked that way.

As a final to this letter I would like to talk to you about sponsoring the awards for Power Scale on the even years, 2008, 2010 etc. and how you go about doing that. I would like to contribute to the organization for all that it's done for me if that's not being too forward or egotistical.

Best personal regards,

Bob Schlosberg

23 July, 2006

Hi Lin,

Thanks for another fabulous FAC Nats! It was terrific to be out there again with so many of the old gang. Memorable!

I wanted to pass along a few comments re the old time rubber events we discussed briefly up in Geneseo. First off, I personally really liked the ROG requirement now used for both Jimmy Allen and FAC old time rubber events. All of the other flyers I talked to also liked it. It helps replicate what these grand old models were intended to do - and designed to do: TAKE OFF! As a kid, more than half the fun was seeing a model actually take off the ground and fly! Let's keep it.

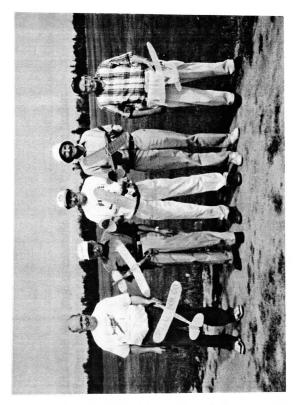
Secondly, when you reword the rules regarding old timer and Jimmy Allen props, I suggest you use wording that does not prevent someone using the prop diameter shown on the original plan. For example, the Jimmy Allen rule 4.A. could read:
"The prop diameter can be as explicitly shown on the plan, or if not shown not to

"The prop diameter can be as explicitly shown on the plan, or if not shown, not to exceed 33% of the wing span."

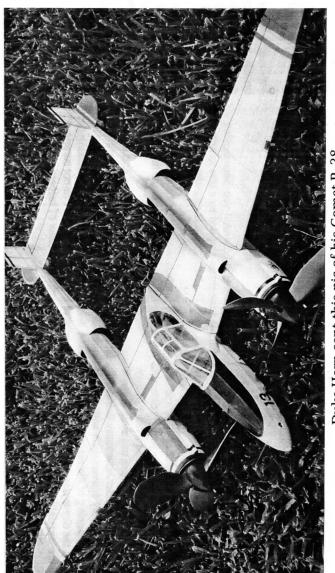
The FAC old time rubber prop rule could be the same. In any case, I think you are right that the ROG rule also will help discourage gross oversize props.

All the best,

2



Jimmie Allen team from Canada. L-R, Terry Jenkins, Ted Toth, Sam Burke, Mike Thomas Richard Fahey. All flying Skokies. Pic by Fahey



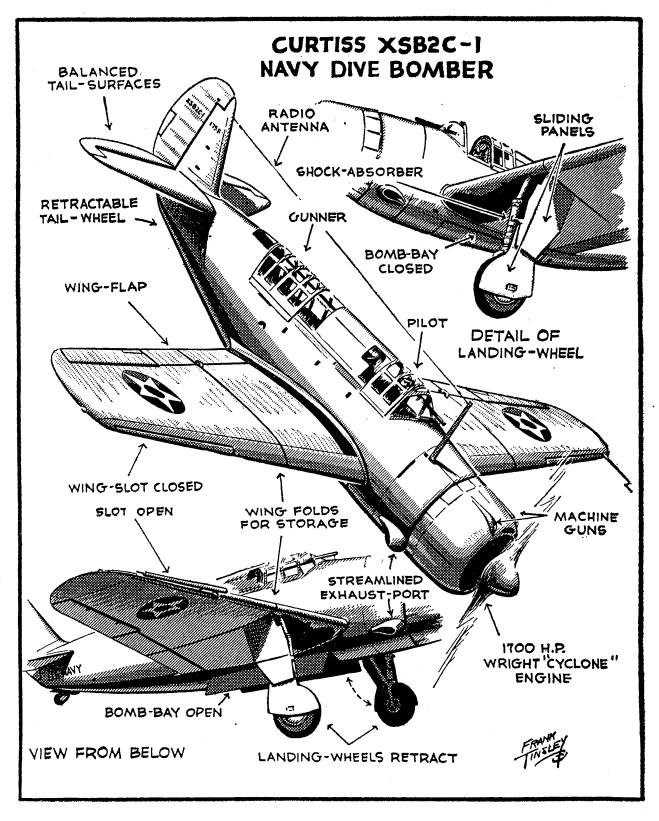
Duke Horn sent this pic of his Comet P-38. Nice job, entered the FAC Postal contest with 71 seconds.



scaled to 16 inches from a Steve Griebling peanut plan. On the right is Nick's Mig 15 built from a short kit by Replikit, 15 inch span. Powered by a Czech Rapier unit. From England comes the bottom two photos by Nick Peppiat. On the left is his Chambermaid (fine flier)

Portfolio of War Planes

BY FRANK TINSLEY

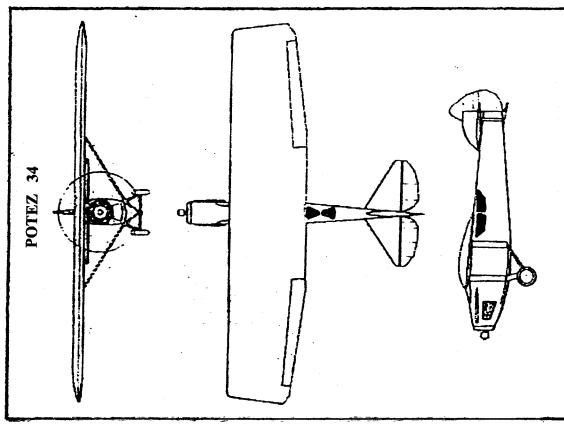


Greater striking power for the U. S. Navy is Curtiss' latest gift to American defense. The XSB2C-1 is an ultra-modern dive bomber whose performance exceeds that of any other ship of its type. Engineered for mass production, the XSB2C-1 features a radical increase in speed, range and armament. Powered with a 1,400 h.p. Wright engine, driven by a Curtiss electric prop, the new model is said to be 100 m.p.h. faster than any other dive bomber. Exact performance details are secret.

1941 H.A.G. MUSEUM FLYING ACES CONTEST

for rain for the morning and then thunder showers in the p.m. A few times we did get a The weather forecaster's missed the mark again, but in our favor this time. They called attendence down as only 8 adventurous Clubsters show up. But we all had a good time were wrapping things up at the end of the contest. Unfortunately, the forecast kept the Most events were not able to be run because of the low turnout but the ones we did run slight mist that only lasted a couple of minutes and then it rained quite hard just as we and some fairly good flights were put up as there was very little wind to contend with. are listed below.

FAC SCALEPilot	Pilot	Aircraft	Best Time	Scale Bonus Total	Bonus Points	Total
22	Bob Clemens Jim Detar Walt Komrich	Bob Clemens Porterfield Collegiate 69 Jim Detar Grumman Guardian 64 Walt Kornrich Piper Pawnee 53	llegiate 69 rdian 64	59 57 57	0 5 10	128 126 120
Juanita DIME SCALEPilot	Juanita Keiche EPilot	Juanita Keichel Piper CiipperPilot Aircraft	61.5 Flt. Times	_		114.5 Grand Total
	Walt Kornrich Pitcairn Mai Mark Rzadca Great Lakes	Walt Kornrich Pitcairn Mail Mark Rzadca Great Lakes			Total 45 45	219 187
	Richard Miller Fokker D-7 Mark Rzadca Curtiss Rob	r Fokker D-7 212864 Curtiss Robin 403634	212864 403634	113	45	158 110
EMBRYOPilot	Pilot	Aircraft	Flight Times Bonus Total	Bonus	Total	
	Jim Detar Mark Rzadca Rich Miller	Debut Puma Hornet	9012066 868978 5236dnf	999	285 262 97	
TWO BIT O.	TWO BIT O.T. RUBBERPilot	ilot	Aircraft	Flight Times	Fimes	Total
	502	Jim Detar Garry Hunter Mark Rzadca	FA Moth Achilles FA Moth	958675 836086 43dnfdnf	75 86 Fdnf	256 229 43

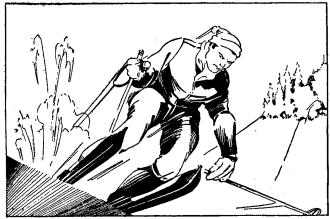


Tom Nallen II sent us this 3-view of the Potez 34. This 3-view goes with the plan by Tom that was published in the August 2006 of "Flying Models" magazine.

They Had What It Takes

XIII—BERNT BALCHEN—VIKING OF THE SKIES

By ALDEN McWILLIAMS



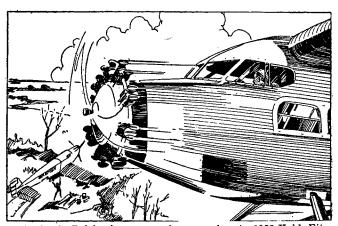
1—Bernt Balchen was born in Norway in 1899. After taking an engineering degree at Sweden's University of Haermirand, he became active in sports, winning Norway's amateur middleweight boxing crown and some thirty ski meets as well. Then aviation called, and from 1918 until 1926 he flew with the Norwegian Air Service, attaining the rank of Flight-Lieutenant.



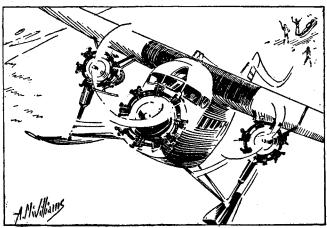
2—In 1925, this skyman of the north was a member of the party which searched for the then-lost dirigible Norge carrying Amundsen, Ellsworth, and Nobile over the North Pole. The following year, Balchen won world acclaim when he piloted Richard Byrd to the Pole. On this dash he ingeniously blazed his route for the return journey by dropping red-painted gas cans.



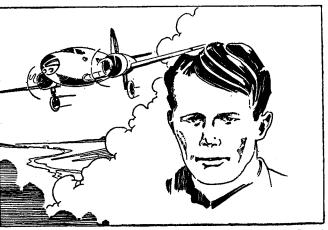
3—It was Balchen who did the lion's share of the piloting when in 1927 he flew with Byrd, Acosta, and Noville from New Yord to France in the Fokker America. On gaining the other side, the flyers circled blindly through dense fog. Then, off Ver sur Mer, France, there came a sudden glimpse of whitecaps—and they crashed into the water. Luckily all were saved.



4—Again Balchen's name made news when in 1928 Kohl, Fitzmaurice, and von Huenefeld completed the first westward crossing of the North Atlantic in the Junkers Bremen. After the plane was forced down in wild Labrador, Fitzmaurice fought his way to civilization. Then, with this intrepid Irish airman as his guide, Balchen flew north and rescued the two Germans.



5—Next the expert Scandinavian flyer went to Antarctica with Byrd, and in November 1928 he piloted the famed explorer over the South Pole after skilfully hurdling a 15,000-foot mountain range. Only the jettisoning of weighty supplies enabled the Ford plane to clear the lofty ridge. Then, after returning to America, Balchen became active in commercial aviation.



6—A master aero mechanic as well as a top-notch flyer, Bernt Balchen has won international renown as a first-rank all-around airman. Hailed as the "Viking of the Skies," he has been awarded the Cross of St. Olaf by the King of Norway—an honor equivalent to knighthood. And now America proudly claims this Norseman as her own, for he had become a U.S. Citizen.



GLASTONBURY MODELERS

NO. 2 SQUADRON, FLYING ACES CLUB TURKEY FLY NOV. 19, 2006

WHITES FARM, DURHAM, CT

9:00 to 3:30

ENTRY FEE: \$3.00

AMA MEMBERSHIP REQUIRED

EVENTS

- 1. Tow Line Scale*: 36" span limit. Best 3 of 6. Line length TBD.
- 2. Pinkham Field Stick: No max, fly all day, highest single fit. wins.
- 3. Catapult Jet*: Use fixed or hand held catapult.
- 4. Handi-Rep Scale: Like FAC Scale except all flight time divided by 3, so Get all three in. Model will be judged. Bring your documentation.
- 5. Old Time Kit Scale: Bring your plan for compliance check.
- 6. Legal Eagle: New ships need compliance check. Bring plan.
- 7. BLURRACE!: See below.
- 8. Flying Aces Sport: 10% bonus if built from plans in Flying Aces mag.
- 9. GHQ Peanut Scale: Model will be judged. Bring documentation.

NOTE: NO ENLARGING OR REDUCING SCALE PLANS

CAN ONLY BE ENTERED

A MAXIMUM OF TWO

ANY ONE MODEL

NOTE

FOUR EVENTS - FAC RULES APPLY TO ALL EVENTS

(*) means no scale judging for so marked events



The BLURRR was well attended last year, so we thought you Clubsters would want to have at it again under the same rule. No model built expressly for the Blur is allowed!! Only models flown in previous Thompson, Greve, or Midget races are allowed. Rubber rule applies: SIX (6) Grams. Prop can be changed. All other rules apply.

WEAR WATERPROOF BOOTS

NOTES

When you register, don't forget to fill out an address label LEGIBLY and note if you are an FAC on the corner of it to receive Kanone credit. You will find answers to most of your questions posted at the CD table. Certificates to second place in all events except Pinkham field stick. Got questions? Nine out of ten times you can get the answers by reading the FAC Rule Book or the Pinkham Field Handbook.

PAUL STOTT, C.D. (203) 929 5139











ONE FAC JUDGED EVENT (NEED DOCUMENTATION)

ONE MASS LAUNCH EVENT: MINIMUM 45 SCALE POINTS. ANY EARL STAHL SCALE MODEI ANY EARL STAHL SCALE MODEI

ONE THREE FLIGHT TIMED EVENT: MIN. 45 SCALE POINTS DOCUMENTATION NOT REQUIRED ANY EARL STAHL SCALE MODE ONE OLD TIME RUBBER EVENT: MUST BE EARL STAHL DESIGN MIN. 30" & MAX. 36" PROJECTED WINGSPANS -- THE OLDTIME RUBBER LARGER MODELS CAN BE REDUCED TO MEET THE 36" PROJECTED WINGSPAN LIMIT

NO AMA LICENSE REQUIRED

ENTRY FEES: \$ 5.00 PER EVENT - MAX ENTRY FEE - \$ 10.00 ALTERNATE CONTACT:

				í								
Greve Race	Zuue Outdo	Thompson Race		Power Scale		35Fit #1 Fit #2 Fit #3	∢	m	ပ		ш	C
		W. Farrell		I. Allebone		120	120	30	150	82 5 62 5	~	7
M. Roun	Z Crialmipermaid	D. Rees	2 Hawks Time Flies	R. Adams		120	120	15	135	82 5 62 5	7 2	7 4
_		R. Moon	3 Marcoux Bromberg	M. Midkiff	3 PV-2	120	120	5. 5.	145			- 1 4
_•	Chaimbermaid	 P. Boyanowski 	Lockheed Altair	T. Allebone	A-W FK-8	107 120	12	, ,			2.7	္ ဗ္
	Folkerts SK-3	L. Burdsal	Cessna CR-3		Dornier Dolphin		5 5	5 5				5 ±
B. Gourdon	Kieth Rider	J. Tisinai	Laird	C. Starleaf	DH -4 Dragon		į 2	2 5				* ;
J. Houck	K-R Bumble Bee	O. Benton	Lockheed Altair	D. Rees	Colibri	120	5 5	,			4 -	4:
J. Tisinai	Caudron 460	N. Becker	Cessna CR-3	R. Meixell	Taylor J-2	109 108 87	2 6	2 <			•	₹ ;
C. Starleaf	Keith Rider R-4	C. Sauter	Marcoux Brombera	R. Meixwll	Maachi M5	3 2	D *	> 6			,	140.
F. Wunsche	K-R Jack Rabbit	Robert Butsch	Marcoux Brombera	M. Roth	Waterman		‡ 6	<u>ک</u> د		ò		132.
P. Boyanowski	Chaimbermaid	M. Roth	Cessna CR-3	P. Cox	DH-6	3	8	υ ń	ğ	7.5 58	0.3 12	129.
w. Farrell	Mr. Smoothie	D. Franks	Marcoux Brombero)	1000		0		61.5	3.5	
R. L. Butsch	Chester Goon						tot. se	sec. uni	untact ored	120	max.	
D. Rees	Mr. Smoothie	WW-I Dogfight	2006 Outdoor Champs			1 1						
R. Miller	Mr. Smoothie	C Starleaf	1 Fokker D-7			-						
L. Burdsal	Caudron	Walt Farrell				H						
D. Cornelius	Mr. Smoothie	M Doth				II						
	Mr. Smoothie	F. FOLS				F = Complexity poin	poin ts	_	1/10 of B)			
		. TOBOL .	C-10						Ī			
WW-II Combat	2006 Outdoor Champs		Nieuport 28									
C Mechania	ludy		Grain Kitten	O.I. Stick			Fit #2Fit #3 Total Flyoff	3 Total F	-lyoff			
	oudy	-	Dornier D-1	T.Teach		120	120 120	360	last dn			
	Grumman Avenger		Fokker D-7	M. Rzadka	adka 2 Gollywock			360				
D. Norman	Judy	R, Miller	Fokker D-7									
J. McGillivray	Fairey Battle	P. Boyanowski	Hannover CL-3a	F. Wu								
O. Hill	KI-61 Tony	C. Rupert	Fokker D-7				3	2				
L. Burdsal	TA-152	D. Rees	Martinsyde Elephant									
	KI-61 Tony	J. Detar	Fokker D-7									
_	A6M3 Zeke	D. Norman	Fokker D-7	Dime Scale		2006 Outdoor Champs Fl#4 Fl	#2 FI#3	Elt ote	T on a o	Fit#9 Fit#3 Fit ate Bonne Tot/Bonne Total	10,00	
W. Farrell	N.A. Mustang P-51B			D. Kane	-		70 400	200	Solids	snuogaa	l Otali	
D. Rees	B.P. Defiant	Fairchild 24	2006 Outdoor Champs	r. Miller	۰ ۸	26 77	00 67	- 6	<u>ດ</u> ,	4 .	336	
P. Boyanowski	Bell P-39	D. Franks		J. Detar	1 6	- 2		000	ည (45	295	
J. Moses	Swiss GKW-C-3603	J. Moses	. 2	S. Wei	erlv	8 5		9 8 8) - -	0 0 1	266	
J.Tisinai	Stormovik IL-2	L. Burdsal	ı (n					707	<u>ი</u> ი	0.4 0.0	24/	
O. Benton	Fairy Barracuda	O. Benton		D. Dris	=			7 7 7	> ¢	> 6	232	
_	Curtiss Helldiver					23		- 94 - 84 - 84	5 t	30	7 7	
	Heinkel 112	Peanut Racers	2006 Outdoor Champs	J. Coffin		41		2 5	5 5	4 5 5	7 6	
	N.A. Mustang	D. Corneilius	1 Mr. Smoothie	M. Rza	Rzadka Great Lakes Trainer			15.2	<u>5</u> 4	S 4	107	
N. Becker	KI-61 Tony	S. Weckerly	2 Whittman Buster	D. Olah		62		176	. ע	5 4	9 6	
J. Houck	Stormovik IL-2	J. Tisinai	3 Hurlbert Hurricane	W. Farrell	7			7 2	o c	2 C	200	
	KI-61 Tony	P. Boyanowski	Whittman Buster	L. Burdsal				128	יי כ	, ק	2 2	
	Judy	O. Benton	Hostler Fury	P. Bruning		5.5		2 2	, C	<u> </u>	5 6	
	Judy	Rich Miller	Mr. Smoothie	N. Becker		40		125	5 5	S &	155	
D. Niedzielski	Gloster Gladiator	H. G. Frautschy	Whittman Bonzo			32		104	<u>د</u>	8 4	3 5	
H.G. Frautschy	Grumman F4F	L. Burdsal	Whittman Bonzo	P. Boy	Boyanowski Supermarine Spitfire	43		Š	5 5	3 5	- - 1	
D. Franks	KI-61 Tony	W, Farrell	Waterman Gosling	W. Farrell		37	43	8 8	5 5	3 5	2 5	
			,	J. Moses		55	2	55	2 6	2 6	9 5	
				O. Benton	ton Farman 400	53		23	0	<u> </u>	3 8	
									ì))	

G 148 146.5 146.5 146.5 146 146 140.5 132.5

1 %
CO.

AMA P-30
E. Vargo
R. Shields
D. Srull
Knapp
D. Driscoll

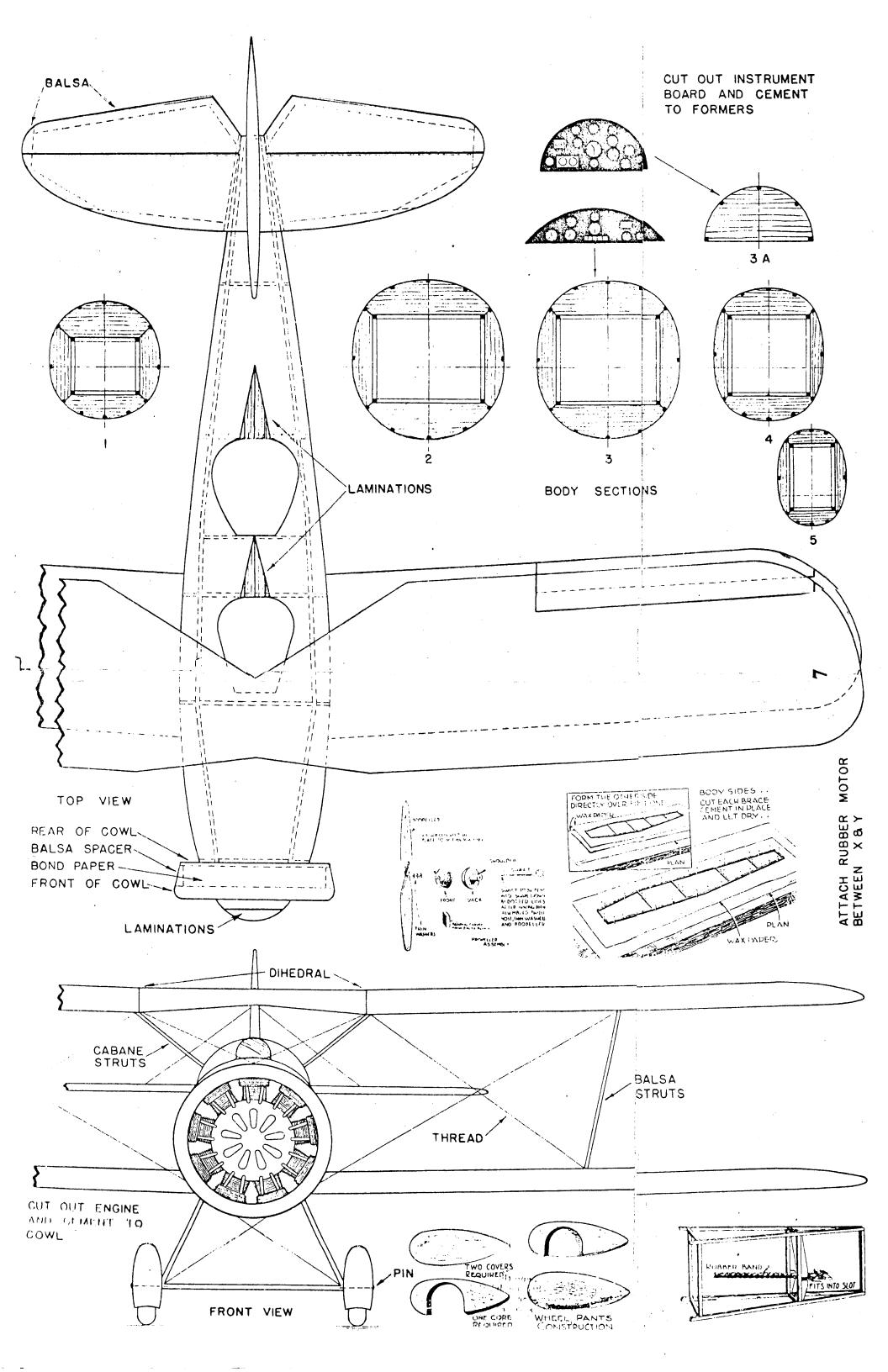
 OT Kit/Plan Sc.
 2006 Outdoor ChampsFlt#1
 Flt#2 Flt#3 Tot FltBonus Tot Bonus Total

 J. Detar
 1 Megow Fairchild 24
 86
 89
 85
 260
 0
 260

 J. Houck
 2 Comet Fairchild 45
 91
 73
 53
 217
 10
 30
 247

 W. Farrell
 3 Waco
 49
 66
 60
 175
 15
 45
 220

 W. Farrell
 Miles Majester
 54
 48
 60
 162
 10
 30
 192



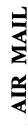
ے ر	ם מ	Z		ب	Ë	ď	ပ	<u>∩</u> :	Ξ						-																
								1	total	163.5	142.5	140.5	140	136.25	134.5	127	127	124.5	121	=	106	19	6	9	88	53	36				
										68.5	78.75	82.5	72	75.75			28	63.5	47	20	45	33	37	32	27	53	36				
*****	56	23	71						FII母で JIES OC FIS BOURS HI IIIILE	32	S	0	7	S	0	9	9	ις.	2	က	0	9	0	0	0			ς.	78	1 5	0
	360	360	360	160	120	117		Š	oc Pts	09	29	28	61	55.5	61	61	29	26	69	28	61	28	90	29	29			29	29	4	29
FI#2 FI#3 Total	120	120	120					Š	に乗る	77			84	28	87	45		67		20		22		25		53					
FIt#2	120	120	120	8				9	LI研7	22			43	93	8	27		48	38	4		33		35		52					
	120	120	120	74	120	117				42	105	120	45	7	28	35	28	37	47	32	45	33	37	32	27	52	ဗ္ဗ				
2006 Outdoor ChampsFit#1	1 Zipper	2 Brooklyn Dodger	3 Interceptor	Diamond Demon	Viking	Comet Clipper	Target Time 65 sec.		ZUUB OUTGOOF Champsrit#1	1 Voisin	2 Mr. Smoothie	3 Found 100	Heinkel P-1077 Julia	Chaimbermaid	Farman 190	BeBe Jodel	Mitsubishi A6M2	Penguin	Whittman Bonzo	Water,am Gosling	Akron Funk	P-47 Thunderbolt	Monocoupe 110	Piper Cub	Aeronca Champ	Arado 198	Lacey	Heinkel P-1077 Julia	Arado 440V	SE-5a	Lacey
OT Gas Replica	M. Rzadka		<u> </u>		M. Rzadka	O. Benton	*****FLY-0FF		Peanut Scale	D. Srull	D. Comelius	J. McGillivray	B. Finley	C. Rupert	B. Finley	J.Houck	R. Adams	A. Backstrom	H. Frautschy	W. Farrell	P. Boyanowski	P. Murray	P. Cox	W. Farrell	J. Bair	P. Bruning	J. Tisinai	D. Niedzielski	R. Adams	P. Murray	R. Miller

Fotal	357	341	322	320	317	303	291	262	254	251	251	186	164	160	148	138	122	116	77	69	55	49
FI#2 FI#3 Total	120	120	120	120	85	94	94	93	9	69	69	20	26	53	54	45		43				
FIt#2	120	120	120	120	120	88	120	9/	74	97	97	75	53	51	22	53	59	41		41		
E#1	117	101	82	80	112	120	11	93	120	82	85	61	55	26	37	40	63	32	77	28	52	49
2006 Outdoor ChampsFlt#1	1 Stinson 125	2 Interstate Cadet	3 Cessna C-38	Poncelet	Domier Falke	Martin MO-1	Mureaux	RWD-5 Bis	Taylorcraft O-57	Nicholas Beasley	Nicholas Beasley	Vultee	Fok. Super Universal	Cessna C-37	Fleet 2	Miles Magister	Avia BH-3	Hawker Sp. Fury	Porterfield Collegiate	Curtiss Jenny	Martin MO-1	Waco SRE
Golden Age	P. Murray	J. Detar	J. McGillivray	J. Moses	O. Benton	S. Weckerly	D. Srull	J. Houck	S. Cummins	D. Rees	W. Farrell	W. Farrell	P. Bruning	D. Cornelius	M. Welshans	D. Bubolz	M. Midkiff	P. Bruning	P. Boyanowski	R. Adams	M. Welshans	P. Azure

	2	7	0	ဖွ	_																	•	V.							
Total	165.5	142	130	116	111																									
pts	64.5	51	26	62	43						otaj	344	323	312	311	306	287	271	264	225	214	155	148							
onus Fit	40		15	0	15		0	25	9	15	Fit #2Fit #3BonusTotal	တ	9	တ	0	တ	O	9		တ	တ		O		Total	229	218	191	154	137
pts Bc	61	61	59	54	53		48	58	55	27	FIt #3E	95	11	63	120	66	8	120	120	43	55	39	62		F1#31	53	09	74	9	4
#3 Sc				59	38						FIt #2	120	120	120	88	102	11	9/	9/	120	100	88	48		FI#2	115	84	73	37	r C
t#2 FH		51		64							F # 7	120	120	120	93	8	120	69	68	53	20	48	29			61	74	44	27	~
ps Fit#1 Fi	69	35	26	51	43	35					or Champs	•													or Champs		Jardian	aider		aider.
2006 Outdoor Champs FIt#1 FIt#2 FIt#3 Sc pts Bonus FIt pts		Cant 1007 Bis (A)		100	Bucker Jungman	Solt	Interstate Cadet	sh-8	594A	x XIV	2006 Outdoor ChampsFit #1	1 Debut	2 Tomahawk	3 Du Wak	Jabberwot	Puma	Tomahawk	Debut (red)	Yellow Cab	Tomahawk	Yellow Cab	Cadet	Prarie Bird		2006 Outdoor ChampsFit#1	1 Mig 15	2 Grumman Guardian	3 Douglas Skyraider	Fiatt G 592a	Douglas Skyraider
2006		2 Cant 1	3 D.H.9	Found 100	Bucke	AN-2 Colt	Interst	DH Dash-8	Fiat G594A	Breguet XIV		ins	_			eg G	×			٦Ļ.	N	lius		;	Military				"	
Jumbo Scale	C. Starleaf	D. Rees	M. Midkiff	D. Kranis	J. Tisinai	Burdsal	R. Moon	C. Starleaf	D. Franks	M. Rzadka	Embryo	S. Cummins	R. Butsch	E. Vargo	J. Tisinai	M. Rzadka	A. DeCook	S. Grey	D. Olah	R. Butsch Jr.	D. Bubolz	D. Cornelius	J. Griney		Modern Military	D. Stall	J. Detar	W. Farrell	D. Franks	D Repo

旦

Ø



"I put up the stepladder, put down the drop cloths and stirred up the paint . . . you're all set . . . see ya later, honey."

Mumbo Jumbo #124. It is a discussion of model launch speed relative to Earth during windy conditions. Once released into the air the only speed that matters is the model speed relative to the air. The Earth speed relative to the air. The Earth speed relative to the air or the model has no effect. If the wind speed relative to Earth equals the model's flying speed the model can simply can be released. The model does have momentum relative to the air.

Some years ago it was very windy for the WW-2 mass launch. I usually don't fly under such conditions as I have enough problems on good days. However I had driven over 600 miles to get to Phoenix and we were launching in a soft alfalfa field. I had to guess but it felt like the wind speed was about equal to the P-51's flying speed. I held the model as level as posn... ible and simply let go. The model climbed away just fine and we had to make three or four flights flights to complete the event. All went well.

The wind blew the models over to a cotton field making locating and fetrieval difficult. Severat Cactus Squadron members remined downwind to help with the retrieval-lucky for us!

Thanks for putting out a super newsletter and all of the other things that you and your wife do for scale modeling. Dear Lin,

73

360 360 354 331 227 202 183 160 127 120

F.A. Moth Miss Canada

Flying Aces Moth

Hugzlet

J. Tisinai Knapp

Korda

F. Wunsche P. Azure

Flying Aces Moth

Jabberwock

Korda Victory

Lanzo 30

A. DeCoot R. Shields D. Srull R. Shields Shields Srull Shields

4

Total Fly-off

FIT #3

2006 Outdoor Champ:Fit #1

O.T. Rubber

1 Miss Canada

2 Wren 3 Wren

Cummins S. Cummins M. Rzadka

D. Driscoll

T. Teach

2006 Outdoor ChampsFit#1 Fit#2 Fit#3 Total

· Clarince

472 189 160 95 85 85 20

9

42 42 33 34 34

2 Bell P-39 Airacobra 3 Extra 400

1 Mr. Smoothie

No Cal Scale

M. Rzadka J. Houck W. Farrell

Aeronca Sedan Keith Rider R2

191 69 51 29 52 18

162 78 78 26 33 33 20 20 20

PHs Special

Me-109

J. Bair H. Frautschy S. Cummins A. Frautschy

