CENTRAL INDIANA AEROMODELLERS

CIA INFORMER

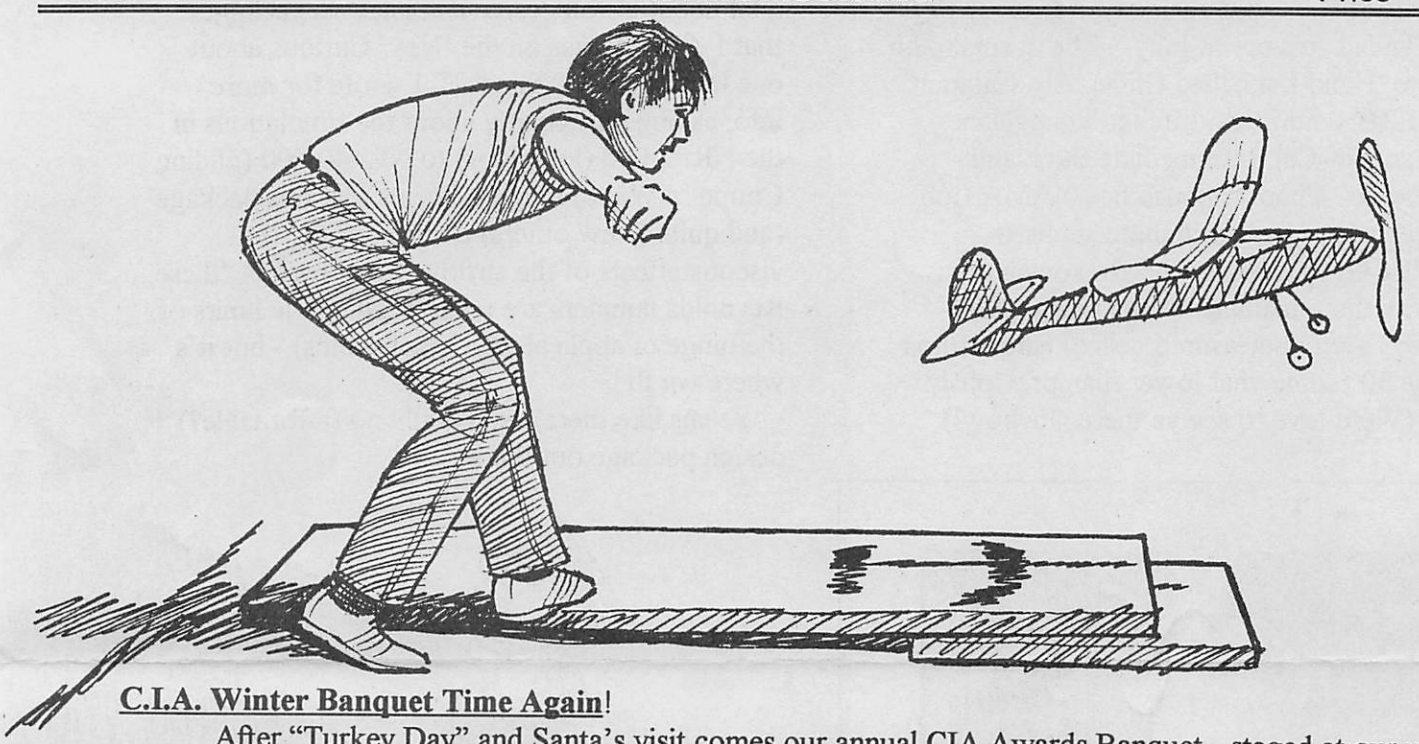
FREE FLIGHT NEWS OF THE MIDWEST

** The Weather **
Christmas in snow,
Easter in mud.

==========

- Editor -
Moe Whittemore
2348S, 700W
New Palestine
IN 46163

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C.I.A. Winter Banquet Time Again!

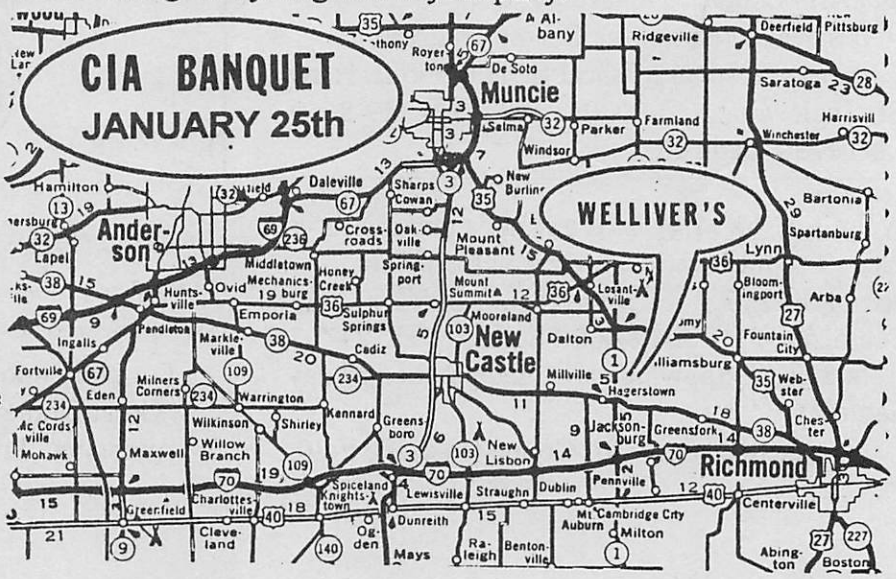
After "Turkey Day" and Santa's visit comes our annual CIA Awards Banquet - staged at our usual haunt: **Guy Welliver's** Smorgy in Hagerstown, IN. The date for this event is Saturday, January 25, 1997. Come one, come all! There shall be door prizes, awards, attaboys and insults! Don't miss it.

Dinner tabs are: Adults = $16.50; youngsters 10-11 = $8; 7-9 = $6 and 2-6 = $3. The line forms at 7pm sharp, and the food never runs out!

Please notify **Les Hallgarth** (847 Glen Echo Dr., Anderson, IN 46012; Ph 317-649-8833) by Monday, January 20 so we may confirm the number of attendees to ole Guy so's we will have plenty of space to squat! Also, please supply the names and ages of youngsters in your party.

Last year CIA Club Prexy Roger Lane, will be wielding the ol' baton with some aid from his friends (and a few enemies). The coveted "Crash & Burn" trophy will again be relinquished to some well-deserving recipient - along with a few other happenings that haven't been dreamed up, yet!

Don't fret if the weatherman predicts snow, ice or whatever, because he was wrong again last year, plus you have all day Sunday to get back home! Let's make it a banner turn-out. Y'all come - and we'll see you thar!

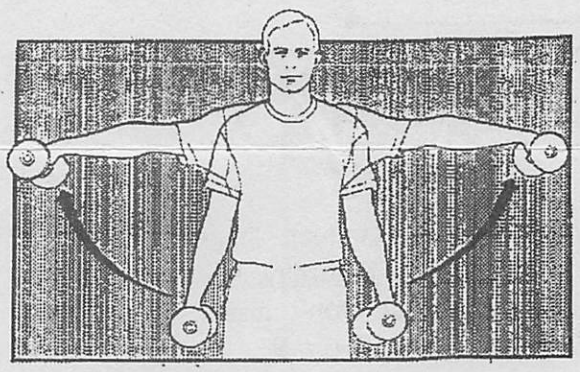


The Election Results are in for our 1997 CIA Officers! They are: President - **Dick Covalt**; Vice President - **Mark Wood**; **Les Hallgarth** retains the Treasurers' Sock. **Moe Whittemore** continues as Informer editor - no one else volunteered!

New Faces! ..... How about a big CIA salute to new Agents **Walt Tomasch** of Mishawaka, IN and **Kevin Hayes** from Perry, GA.

An Update .... concerning the upcoming IFFF AAA Indoor Contest on Sunday, March 2, 1997 at the Tyndall Armory in Indy... The events to be flown are: Hand Launched Glider; Std.Catapult Glider; EZB; MiniStick; Limited Pennyplane; Bostonian; No-Cal; Intermediate Stick and Peanut Scale. There will also be an AMA Cub kid's event that pays off in merchandise.

The IHLG, CataGlider and Bostonian are J/S,O with the remaining events being J/S/O combined. Actual measured ceiling height turns out to be 30', somewhat lower than previously stated. (We'd love to see ya there, anyhow!)



All you HL glider freaks get your arms in *real* shape for the coming season by doing the exercise regimen described in the pamphlet "Shoulder and Arm Exercises for Athletes".

It's available from the Champion Press, Centinela Hospital Medical Center, 555 E. Hardy St., Inglewood, CA 90301. Ph: (310) 419-8669. I believe it's still $5.

A Pre-Season Meet .... If anyone's looking for a contest to hit toward winter's end, why not attend the M.A.C.H. Wintercoupe Meet at Pensacola, FL - Site 8A, on Sunday, Feb. 23 '97, from 8 til 4? Show up early, and practice all day Saturday!

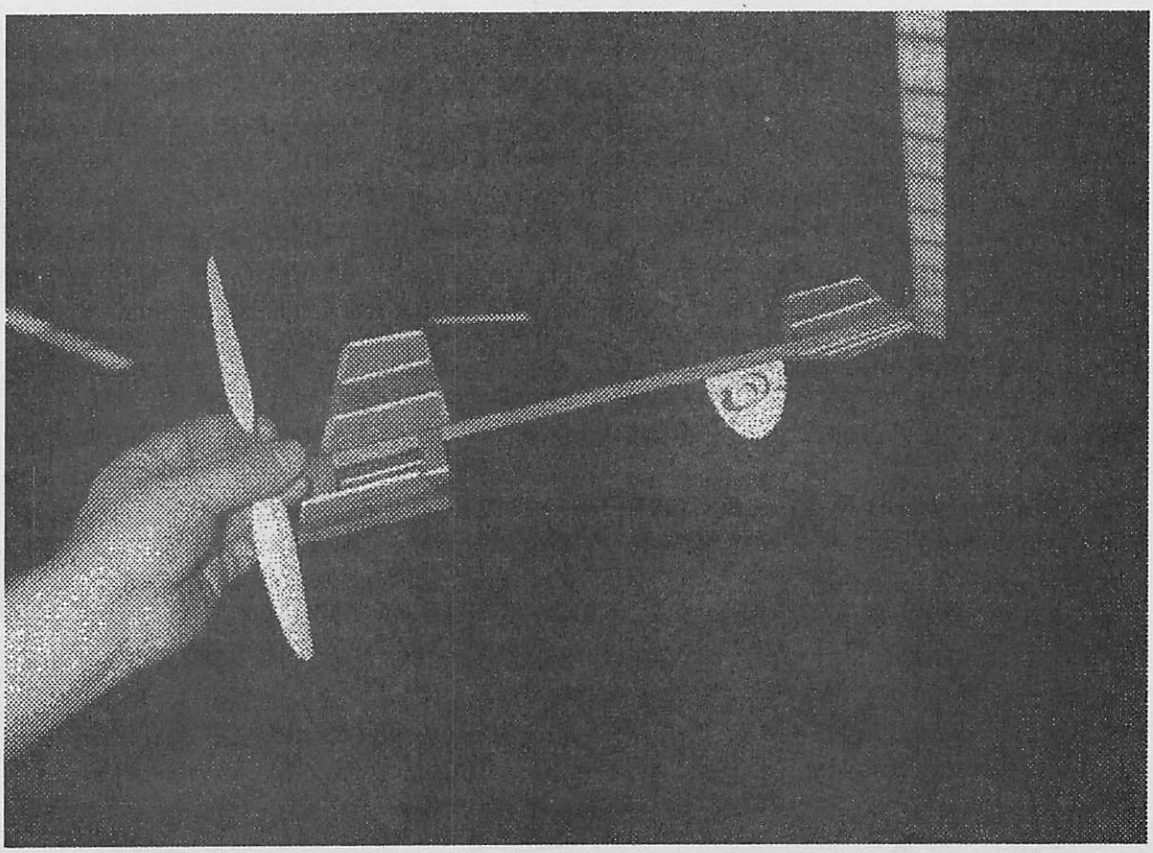
Awards to 3 places for Coupe (rounds), P-30, and Commercial Rubber (freewheelers). For more info, contact CD Bob Thoren, 10002 Bluff Dr., Huntsville, AL 35803. Ph: (205) 880-8099.

Glad I checked! .... In the last issue, I mentioned a bit about airfoil design and analysis packages that I'd run across on the 'Net. Curious about one in particular ("Panda"), I wrote for more info, asking particularly about the simulations in the NR=2,000 (lo indoor) to NR=40,000 (gliding Coupe 'n Wake) range . Seems that this package (and quite a few others) don't consider the viscous effects of the airflow down here ... "these Reynolds numbers are really pushing the limits of the range of applicability" (their notes) - but it's where we fly!

Seems like there's still really no (affordable?) design package out there ....



For more info concerning the 3-day SAM 86 "Great Grape Gathering" bash, contact Jim Anderson. Ph: (613) 342-5613.



The Gammon .... (A little Swedish thing Mo got from the Internet!) - by Gunnar Holm

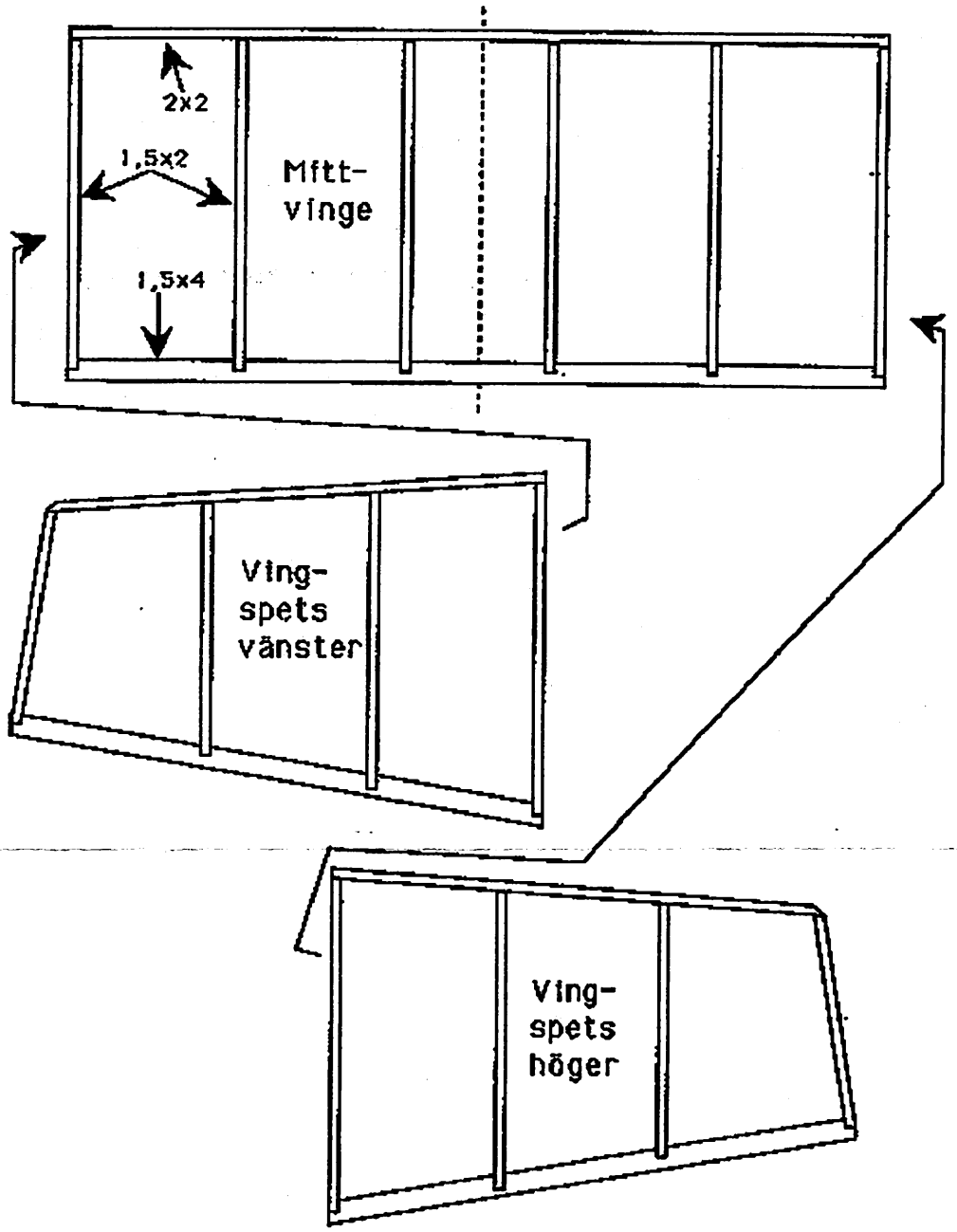
This is an easybuilt canard, which is suitable both for the beginner and the more experienced flyer. In spite of being low-winged, it is very stable. It has been built in two different sizes, the normal Gammon with 46cm span, and the Mini-Gammon which has 33cm span. (You can of course scale it any way you want.) The Mini-Gammon can use a back-to-front Delta Dart (Flugan) propellor, if some extra nose weight is added.

All wood is balsa. The rounded wing & stab spars can be exchanged for square ones for quicker building. The dimensions can be reduced considerably by the more experienced builder to get a lighter and longer flying plane. A lightweight version should be able to do 2 mins. without difficulty, if the ceiling is high enough.

You can either build the structures first, and then cover them in the normal way, or you can build directly on the covering, as with a Delta Dart. Use lightweight tissue, but do not water shrink or dope, otherwise the wing will warp. If the model is intended for outdoor use, preshrink and dope the tissue on a frame, then cut out and cover (or build on the doped tissue on the the frame). Note that the flying surfaces are only covered on the underside. Usually, single sided covering is attached to the upper side, but here underside covering was chosen for better turbulation effect.

Some thoughts by Gunnar Holm about canards:

It is important that the stabilizer (front wing) should have a marked stall. When using curved profiles, the profile of the stabilizer should preferably have a deeper curvature (the other way 'round compared to planes of normal configuration). When using flat profiles, as in the Gammon, it is beneficial to have the turbulence-inducing open framework on the upper side of the stab sufrace. The builder is encouraged to try different profiles. Why is it called Gammon? Well, that is Gunnar's own secret!!



Vingens uppbyggnad i dubbel storlek

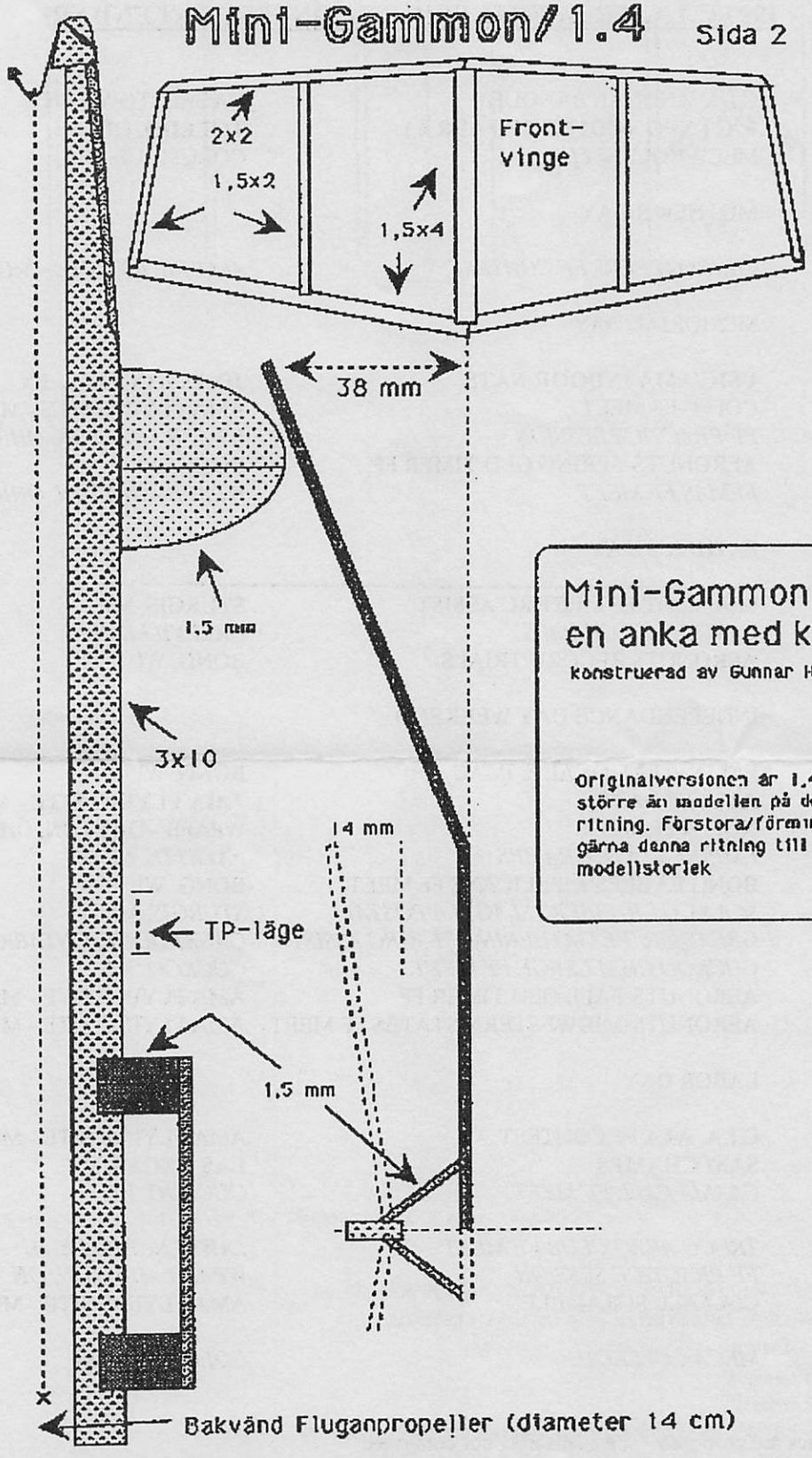
Papper endast på undersidan; vingen byggs på papperet som viks upp över kanterna

All the measurements given on the plans are for the Mini-Gammon (33 cm span). The text is in Swedish, here is some help for the translation:
mittvinge; central part of wing
Vingspets, vänster; left wingtip
Vingspets, höger; right wingtip
Vingens uppbyggnad i dubbel storlek; Wing construction, 2x enlarged view
Papper endast på undersidan, ...; Do only cover on the underside; the wing is built on the paper, which is then turned over the edges.
Frontvinge; Front wing
TP-läge; Center of gravity (important!)
Bakvänd Fluganpropeller (diameter 14cm); Back to front Delta Dart propeller (14 cm diameter)

http://www.astro.su.se/~daniel/ritn/g1.gif

Mini-Gammon/1.4

Sida 2



Mini-Gammon är en anka med klös

konstruerad av Gunnar Holm

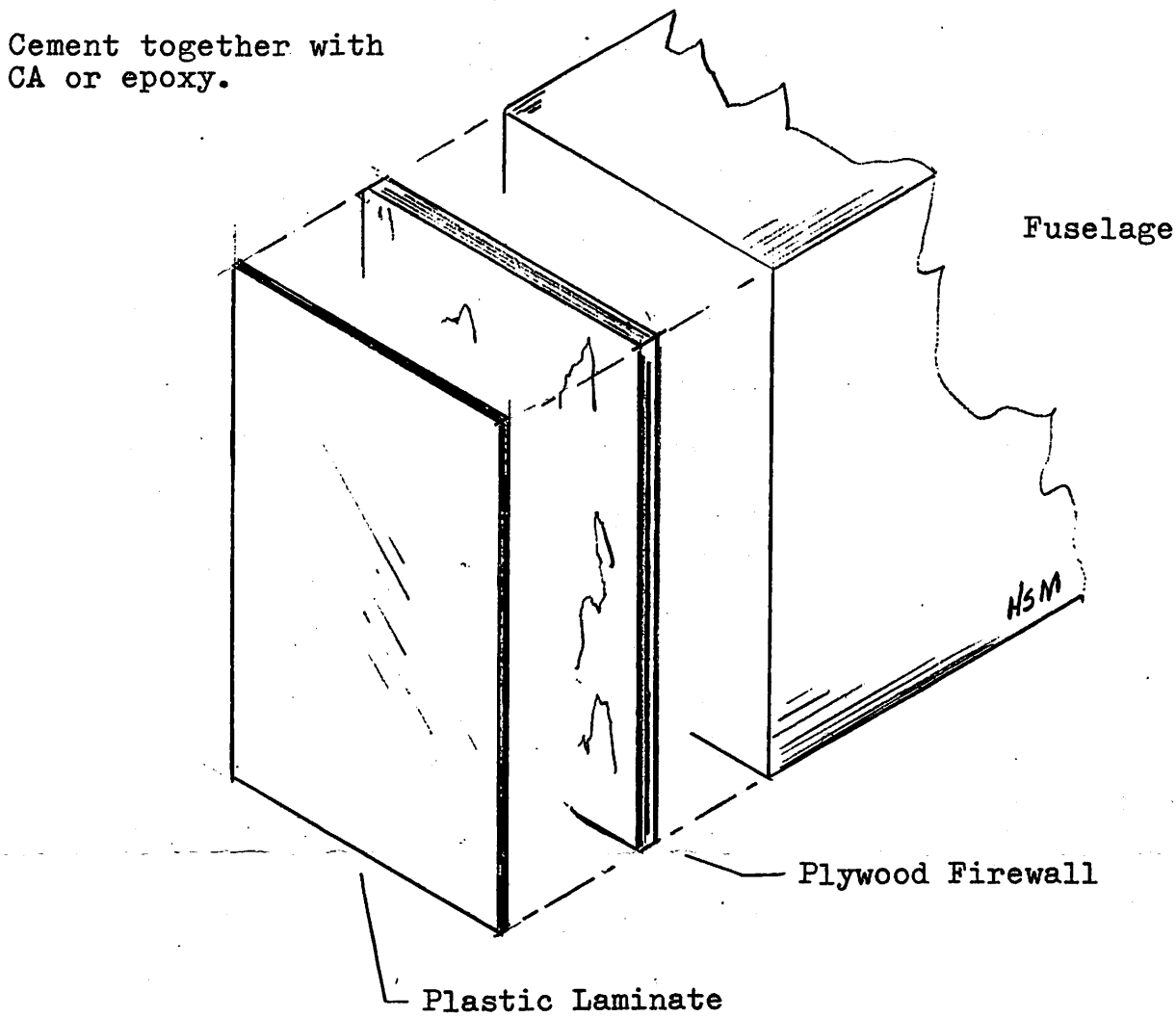
Originalversionen är 1,4 ggr större än modellen på denna ritning. Förstora/förminska gärna denna ritning till valfri modellstorlek

1997 C.I.A. AREA FREEFLIGHT CONTEST CALENDAR

JAN	25	C.I.A. ANNUAL BANQUET	HAGERSTOWN, IN
APR	**4,5,6**	**R/C EXPO (COLLECTO APR 4)**	**TOLEDO, OH**
MAY	4	MECA COLLECTO	COLUMBUS, OH
MAY	11	MOTHER'S DAY	
MAY	*17,18*	*THERMALEERS FF CONTEST*	*AMA FLYING SITE - MUNCIE, IN*
MAY	26	MEMORIAL DAY	
MAY	**28 - 1**	**USIC/AMA INDOOR NATS**	**JOHNSON CITY, TN**
MAY	31,1	COFFC FF MEET	AMA FLYING SITE - MUNCIE, IN
JUN	*??*	*FF PRACTICE SESSION*	*WPAFB - DAYTON, OHIO*
JUN	8	AERONUTS-SPRING OLD TIMER FF	BONG, WI
JUN	*14,15*	*FFMAS FF MEET*	*WPAFB - DAYTON, OHIO*
JUN	15	FATHER'S DAY	
JUN	21,22	M.A.M. OT FF MEET/RC ASSIST	STURGIS, MI
JUN	*28,29*	*EASTERN FF CHAMPS*	*GALEVILLE, NY*
JUN	29	AERONUTS RECORD TRIALS	BONG, WI
JULY	4,5,6	INDEPENDANCE DAY WEEKEND	
JULY	12,13	FAI INVITATIONAL & IMAC	BONG, WI
JULY	**28 THRU 1**	**AMA FF NATS**	**AMA FLYING SITE - MUNCIE, IN**
AUG	2,3	NOFFA FF MEET	WPAFB - DAYTON, OH
AUG	*8,10*	*EMPIRE STATE CHAMPS*	*FAYETTE, NY*
AUG	10	BONG EAGLES & PELICANS FF MEET	BONG, WI
AUG	*10*	*M.A.M. OT RUBBER, SLAG, J.A.POSTAL*	*STURGIS, MI*
AUG	*12,13,14*	*GREAT GRAPE GATHERING FF & RC ASSIST*	*GANANOQUE, ONTARIO*
AUG	*16,17*	*CUCKOO CHALLENGE FF MEET*	*CUCKOO, VA*
AUG	23	AERONUTS-FALL OLD TIMER FF	AMA FLYING SITE - MUNCIE, IN
AUG	24	AERONUTS-MIDWESTERN STATES FF MEET	AMA FLYING SITE - MUNCIE, IN
SEP	1	LABOR DAY	
SEP	13,14	C.I.A. AAA FF CONTEST	AMA FLYING SITE - MUNCIE, IN
SEP	**22-29**	**SAM CHAMPS**	**LAS VEGAS, NV**
SEP	*27,28*	*CAAMA FALL FF MEET*	*CUCKOO, VA*
OCT	*4,5*	*TRI-CO AERO CLUB FF MEET*	*LAWRENCEVILLE, IL*
OCT	*??*	*FF PRACTICE SESSION*	*WPAFB - DAYTON, OH*
OCT	18,19	CIA FALL SCRAMBLE	AMA FLYING SITE - MUNCIE, IN
NOV	*2*	*MECA COLLECTO*	*COLUMBUS, OH*

NOTE: Those in italics are proposed - site availability not confirmed
97ffcal.doc revised 11/13/96 dc

INDESTRUCTIBLE FIREWALLS - as seen on Dan Harshman's models....



Fuel proof firewalls with this fabrication. Use thinner than normal plywood. Reinforce with plastic laminate. Countertop scraps, Formica, snitch those sample patches from stores which sell cabinet materials, etc. Laminates come in neat colors and designs, too...

... A footnote to previous Bantam Engine Rework Article ... - by Murf

I read Gil Morris' Bantam engine hopup article with great interest, and it brought to mind an item which I thought might be valuable should anyone be contemplating tearing down a Bantam to perform the surgery suggested by Gil.

Anyway, I noted some years ago that the factory instructions for the engine state that the axis of the two holes in the needle valve body are to be aligned "parallel" to the venturi and not perpendicular as is the usual case on other engines. This was surprising to me since I have never seen this setup recommended by any other engine mfr. ... but, so be it.

CENTRAL INDIANA AEROMODELLERS
FREE FLIGHT MEET

RESULTS OF 24TH ANNUAL REGIONAL
September 14 and 15 Muncie, Indiana

Saturday, West Wind, 20 + mph winds, 64 degrees:

MULVIHILL RUBBER

1	Larry Willis	692
2	O.C. Stewart	664
3	Joe Williams	532
4	Rod Wilson	294
5	Ed Konefes	240
6	Bob Perkins	120
	Dale Wilson	
	Walt Tomasch	
	Chris Matsuno	
	Robert Whiteside	

A/B AMA GAS

1	Don Diggs	402
2	Robert Johnson	303
3	Dick Covalt	209
	Gib Robbins	
	Robert Whiteside	
	Bob Johannes	
	Andy Greene	

ABC NOS GAS

1	Shel Myers	360
2	Larry Davidson	335
3	Les Hallgarth	174
	Bill Schlarb	
	Larry Willis	
	Keith Fulmer	
	Harry Murphy	
	Richard Rikel	

A1/A2 TOWLINE

1	Chuck Markos	491
2	Jean Pailet	402
3	Bill Barr	193
4	James Thornburg	120
	Bob Klipp	
	O.C. Stewart	

1/2 A NOS GAS

1	Keith Fulmer	360
2	Richard Rikel	235
3	Don DeCook	225
4	Don Diggs	61
	Les Hallgarth	
	Harry Murphy	
	Randall Hopkins	
	Jack Greene	
	Robert Johnson	
	Larry Willis	
	James Whiteside	

PEE WEE 30

1	Elmer Jordan	1969
2	Bill Barr	1719
3	Don DeCook	1288
4	Randall Hopkins	705
	Harry Murphy	

SLOW POWER

1	Bob Watson	320
2	Richard Rikel	270
3	Billy Reuter	193
4	Bill Reuter	122
5	Bob Coverdill	73
	Bill Schlarb	
	Larry Willis	
	Randall Hopkins	
	Andy Greene	
	Jack Greene	
	Harry Murphy	

MOFFETT/KORDA RUBBER

1	Doc Zabelka	752
2	O.C. Stewart	540
3	Larry Willis	502
4	Joe Williams	493
5	Dale Wilson	346
6	Ed Konefes	319
	Robert Johnson	

H.H. CATAPULT GLIDER

1	Ralph Schlarb	301
2	Bill Schlarb	276
3	Beth Mekina	180
4	Joe Mekins	134
5	Robert Johnson	132
6	Rod Wilson	124
7	Bill Reuter	98
8	Walt Tomasch	90
9	Andrew Tomasch	85
10	Billy Reuter	79
11	Robert Whiteside	78
12	JB Griner	66
13	Jean Pailet	59
	Chris Matsuno	

020 PAYLOAD

1	Elmer Jordan	327
2	Bill Hale	317
3	Bill Barr	283
4	Ted Dock	281
5	Roger Lane	176
	Harry Murphy	

FIH

1	Chuck Markos	491
2	Jean Pailet	402
3	Bill Barr	193
	Bob Klipp	
	O.C. Stewart	

JR. H.H. CATAPULT GLIDER

1	Jon Reuter	151
2	Ryan Bane	122
3	Daniel Vest	92
4	Jason Poti	68
5	Chris Mekina	45
6	James Whiteside	41
7	Drew Coverdill	22

Sunday, West Wind, 5-10 mph, 75 degrees:

1/4 A NOS GAS/020 REPLICA

1	Ralph Schlarb	463
2	Bill Hale	332
3	Shel Myers	306
4	Dan Harshman	302
5	Bob Edelstein	284
6	Roger Lane	270
7	Bob Watson	255
8	Charles Mortimer	242
9	Bill Barr	183
10	Randal Hopkins	180
11	Richard Rikel	128
12	Brad Bane	40
	Bill Burgess	
	Les Halgarth	
	Harry Murphy	

1/2 A AMA GAS

1	Keith fulmer	710
2	Norm Poti	569
3	Bob Johannes	304
4	Brad Bane	297
5	Bill barr	222
6	Randal Hopkins	195
7	Jack Marsh	182
8	Robert Whiteside	118
9	Jean Pailet	57
10	Larry Davidson	53
	Larry Willis	
	Steve Frazier	
	Robert Johnson	
	Richard Rikel	
	James Whiteside	
	Andrew Tomasch	
	Bill Burgess	
	Harry Murphy	
	Bob Watson	

F1G

1	Doc Zabella	572
2	Dale Wilson	562
3	Joe Williams	526
4	Bob Hatschek	507
5	Chuck Markos	499
6	O.C. Stewart	495
7	Chris Matsuno	316

HAND LAUNCH GLIDER

1	James Thornberg	306
2	Rod Wilson	227
3	Bill Schlarb	217
4	Joe Mekina	205
5	Jean Pailet	201
6	Beth Mekina	146
7	Bob Coverdill	136
8	Don Diggs	128
9	Billy Reuter	122
10	Bob Larsh	119
11	Bill Barr	103
12	Bill Reuter	89
13	Andrew Tamasch	81
	Robert Whiteside	

JR. HAND LAUNCH GLIDER

1	Daniel Vest	103
2	James Whiteside	93
3	Ryan Bane	83
4	Jon Reuter	76
5	Drew Coverdill	40
6	Jason Poti	36
7	Julia Whiteside	36
8	Markie Wood	11

JR. RUBBER

1	Ryan Bane	308
2	Daniel Vest	292
3	Drew Coverdill	211
4	James Whiteside	170
5	Jason Poti	152
6	Jon Reuter	91
7	Markie Wood	82

ABC OLDTIMER GAS

1	Ted Dock	355
2	Dick Patton	320
3	Bob Edelstein	305
4	Dan Harshman	173
5	Bill Hale	167
6	Richard Rikel	120
	Bob Watson	
	Harry Murphy	
	Warren Weisenbach	

CD AMA GAS

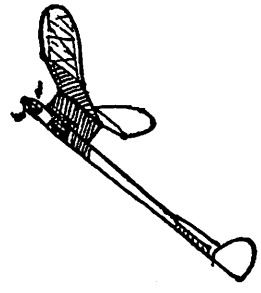
1	Bob Johannes	1050
2	Dick Covalt	1010
3	Guy Scott	582
4	Steve Frazier	464
5	Bill Burgess	440
6	Bob Watson	360
7	Andy George	240
8	Jack Marsh	198
9	Norm Poti	120
10	Don Diggs	106
	Gib Robbins	
	Larry Willis	
	Bob Coverdill	

P-30/ELECTRIC A

1	Dale Wilson	360
2	Walt Tomasch	282
3	Randall Hopkins	271
4	Les Halgarth	248
5	Drew Coverdill	231
6	Don DeCook	224
7	Bob Coverdill	161
8	Larry Willis	107
	Robert Johnson	
	Daniel Vest	
	Harry Murphy	
	Robert Whiteside	

F1J

1	Keith Fulmer	1020
2	Norm Poti	983
3	Jean Pailet	533
4	Jack Marsh	477
5	Bob Perkins	452
6	Bob Johannes	406
7	Gil Robbins	336
8	Larry Davidson	240
9	Brad Bane	184
10	Steve Frazier	



SOME THOUGHTS ON ½ A ENGINES by your Editor and "OTHERS".

With COX selling out to the toy manufacturer ESTES, the rumors are flying. Those of us that use the COX TD's in AMA events are especially concerned. As are the NOSTALGIA fliers that just recently stepped up and bought one of the KILLER BEE engines, or have an order in with the NFFS (BOB BEECROFT) for a one-time production run of their MEDALLION 051 engines, made especially for NOSTALGIA CLASS A. Hopefully, these will not be orphans, and that parts will still be available from the new manufacturer. It would behove us free flighters, both AMA and NOSTALGIA, yes, even the Old Timers too that fly these COX engines in TEXACO, to drop a line to ESTES and let them know we will support them in their continued production of all COX engines used in free flight. I don't have the address of the new manufacturer, if someone of you readers does know their address, let me know and I'll print it.

Certainly, there is no reason to doubt the power of a personal letter and if all of us write and let ESTES know how we feel, and our loyalty to COX over the past 2 decades, then they too should feel comfortable in continuing their production, knowing there's a market awaiting.

As for some of the other options to the CAX engines, please read what BOB STALICK printed in the last newsletter of the WILLAMETTE CLUB which he is Editor:

Engines: One of the items being tested by the NFFS this year is the use of the Cox Killer Bee engines in the nostalgia events. These engines have been conditionally approved this year and approval will be reviewed at the end of the season. Of the 11 entries in 1/2A Nostalgia, none had Killer Bees, so maybe the whole issue is moot. I saw some great performing Hornets, and Wes Funk had a good Medallion in his Greene Hornet. What was impressive to me was the growing use of the Russian engines in 1/2 gas. Bill Vanderbeek had an especially good AME in his VIT model. Randy Secor had a hot performing Stels. A quick check of the 1/2A fliers indicated some experimentation going on with the AME engines. A review of my unofficial findings can be found elsewhere in this issue of Patter. Needless to say, the better of these engines are turning over well into the 28K range, and the models just go up!

AME Engines

I was really interested to find out what the 1/2A fliers were doing regarding AME engines. What I found is that these little mills have made inroads in the event. An informal survey showed that about half of the 1/2A models on the field were equipped with them. Most fliers had made modifications that included: changing the nva to an OS .10 unit, to one of Doug Galbreath's special AME units, or to a modified Cox unit as manufactured by Ace RC. One flier had further restricted the venturi by fitting a piece of alum. tubing in it. Another had bought a Galbreath Nelson plug adaptor and was flying with Nelson plugs, which he claimed to make them run very well. Wes Funk had faced the top of the case down slightly in order to get the proper deck clearance, while Ross Thompson had installed a paper gasket in this same location for the same purpose. Universally, the fliers were using higher nitro content fuel, from 30% on up to 65%. The largest props I saw were APC 5.5 x 2, with a number of them cut down to 5.2 x 2. RPMs recorded on my sonic tachometer were in the 28K-30K range. Fuel systems were generally pacifier or similar pressure tanks. Gil Morris wrote to me recently to explain that he had begun using penny balloons. One slipped inside of another and bound to the fuel pickup tube. The pressure is there but it does not overwhelm the rinky-dink nva.

I recently received a notice from Norvel that they now have the AME Mk. III available. This engine professes to have a new pressure fit venturi (smaller diameter, I hope), a guaranteed perfect piston/cylinder fit, and a superbly cast crankcase. Oh, yeah, the cost has been boosted to $39.00+postage effective October. One suggestion that I will make to them since the .049 and the .061 are identical in appearance is that some distinction needs to be made to the exterior of these engines to set them apart from one another, since they fly in different classes. "

A final thought...IF any reader has additional experience with any ½ A engine that can be useful to us free flighters, please drop me a line. My address is on the masthead on page 2. I'll pass it along to the readers. Let's share our experiences.

... And a Few More Cox/Estes Tidbits ... The following notes were spotted on the FF message board 11/13/96 on the I'net. Larry Marshall sez: "I talked with the guys at Estes recently at the Chicago show. It's true that right now, many of the motors are not being produced. The reason is that they are starting to go through the ENTIRE line of engines to upgrade the tooling to get the motors back into tolerance (their explanation, not mine). The tooling is pretty old and they feel that if these motors are going to carry their name, they should be more consistent between motors. In fact, what they've done is actually improve the Cox Babe Bee by adding a "prime tube" during their retooling. It sticks up out of the back of the engine and by holding your finger over it and flipping the prop a couple times you suck fuel into the chamber. I haven't used it, so can't speak to its efficacy".

"Another thing going on at Estes (and what really excited me) is that they are REALLY going through the Sterling line of kits and improving them. Those kits with die-crushed parts and stringy balsa stringers - the ones with really heavy wrinkled tissue and overweight parts, are becoming really nice kits! They had several examples (SE5, T6 Texan, Cessna 140) and the materials are much improved. My impression is that they aren't available yet but will carry the Estes label when they are released".

Here's the CIA Meeting Sho `n Tell List for 1997!

Feb. 3	Phil Sullivan	Feb. 17	Mark Vest
Mar. 3	Dick Covalt	Mar. 17	Jack Eskew
Apr. 7	Les Hallgarth	Apr. 21	None
May 5	Guy Scott	May 19	Bill Burgess
Jun. 2	None	Jun. 16	Sean Cochran
Jul. 7	Roger Lane	Jul. 21	None
Aug. 4	Meredith Chamberlain	Aug. 18	None
Sep. 1	None	Sep. 15	Mark Wood
Oct. 6	Moe Whittemore	Oct. 20	Daniel Vest
Nov. 3	Gib Robbins	Nov. 17	Steve Frazier

C.I.A. Membership/Informer Dues

Again, no changes in dues/fees this year! If your subscription runs out now or pretty soon, it's still $7.50. Tear off the bottom of this page and remit along with your check. We'll love ya for it! Thanx!!

CENTRAL INDIANA AEROMODELLERS - Club Membership Form

Expiration Code

Name _____ AMA# _____ _____ (Office use only)

Address _____

City _____ State ____ Zip _____ Ph: _____

Age last July, if under 19 _____

$7.50 - Club Membership (New or Renewal - Includes INFORMER - 6 issues/yr).
Add $1.00 to the above for Canadian, $2.00 if Foreign (surface mail only)

Please send this form and proper remittance to Moe Whittemore, 2348S, 700W
New Palestine, IN 46163. **Thank you** for your support of free flight !!
Please make checks payable to Central Indiana Aeromodellers.

Become a C.I.A. Agent Today !!

1997 C.I.A. AREA FREEFLIGHT CONTEST CALENDAR

Jan	25	CIA Annual Banquet	Hagerstown, IN
Mar	2	IFFF Kat II Indoor Kontest	Indianapolis, IN
Apr	4,5,6	R/C Expo (Collecto, Apr 4)	Toledo, OH
May	4	MECA Collecto	Columbus, OH
	11	Mother's Day	
	17,18	Thermaleers FF Contest	AMA Flying Site, Muncie, IN *
	26	Memorial Day	
	28 - J1	USIC/AMA INDOOR NATS	Johnson City, TN
	31 - J1	COFFC FF Meet	AMA Flying Site, Muncie, IN
Jun	??	FF Practice Session	WPAFB, Dayton, OH *
	8	Aeronuts-Spring O.T. FF	Bong, WI
	14,15	FFMAS FF Meet	WPAFB, Dayton, OH *
	21,22	M.A.M. OT FF/RC Assist Meet	Sturgis, MI
	28,29	Eastern FF Champs	Galeville, NY *
	29	Aeronuts Record Trials	Bong, WI
Jul	4,5,6	Independence Day Weekend	
	12,13	FAI Invitational & IMAC	Bong, WI
	28 - A1	AMA FF NATS	AMA Flying Site, Muncie, IN
Aug	2,3	NOFFA FF Meet	WPAFB, Dayton, OH
	8,9,10	Empire State Champs	Fayette, NY *
	10	Bong Eagles & Pelicans FF Meet	Bong, WI
	10	M.A.M. OT Rub, Slag, JA Postal	Sturgis, MI *
	12 - 14	Great Grape Gathering FF & RC/A	Gananoque, Ontario *
	16,17	Cuckoo Challenge FF Meet	Cuckoo, VA *
	23	Aeronuts-Fall OT FFMeet	AMA Flying Site, Muncie, IN
	24	Aeronuts-Mdwstrn Sts FF Meet	AMA Flying Site, Muncie, IN
Sep	13,14	CIA AAA FF Contest	AMA Flying Site, Muncie, IN
	22-29	SAM Champs	Las Vegas, NV
	27-28	CAAMA Fall FF Meet	Cuckoo, VA *
Oct	4,5	Tri-Co Aero Club FF Meet	Lawrenceville, IL *
	??	Practice Session	WPAFB, Dayton, OH *
	18-19	CIA Fall Scramble	AMA Flying Site, Muncie, IN
Nov	2	MECA Collecto	Columbus, OH *

Note: Meets with (*) are proposed - site availibility not confirmed. Revised 12/28/96.

The **INFORMER**

2348S, 700W
New Palestine,
IN
46163

1997 President
Dick Covalt

Vice President
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