CENTRAL INDIANA AEROMODELLERS

INFORMER

FREE FLIGHT NEWS OF THE MIDWEST

** The Weather **
NW wind is your friend;
SW wind - come in!

- Editor -
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Scale Stuff - #6! - By Jim Miller

The 2000 Nats has come and gone. I was disappointed in that no CIA members responded to my urgings to compete in AMA Rubber Scale or AMA Peanut Scale. It is interesting to note that 4 peanut flyers and 1 scale flyer flew the *Lacey*, which I recommended as a good solid choice for a flying scale subject. As a matter of fact, the winning model in both events was a *Lacey*!

I was gratified by talking with a number of CIA members at the Nats. They were very supportive of my 'Scale Stuff' columns. As Doc Martin (Miami, FL) says in his monthly newsletter (Hanger Pilot), "scale is not for everyone"!

Accordingly, this will be the last column I will write for a while. If something comes up in the future, that might be of interest to the FF crowd, I'll be happy to take up the pen and report it.

Let me encourage anyone who has a building tip, a new model or a new product that he has discovered useful in modeling, to take the time to send a short (or long) note to Moe for inclusion in the Informer. I can imagine what a job it must be to fill the pages of a newsletter. It's better to use member-generated articles, rather than taking reprints from other sources.

It's been interesting and challenging writing these "Scale Stuff" columns! For now, I'll sign off and hope others will contribute to the Informer.

"More Scale Stuff - thoughts on Documentation & Plans" - by Moe

What's a body to do when you're taken in by a glimpse of a neat 'rare bird' prototype - one that's a truly unique, undiscovered modeling subject that you believe could be a competitive trend-setter - if one could only be built? Let's face it. You're eventually gonna need a set of full size plans to build your dream from! The following



piece is a description of what I've run across in generating a set of plans for my scale subject.....

For starters, get a copy of the subject's 3-view. Chances are that the plane - no matter

(Cont'd p.4)

I was saddened to learn of the death of Agent **George Armstead, Jr.** I recently was on vacation 'out East' - close to his home - and called to say 'Hi'. His wife answered the phone and told me George had died in December '99, following a 9 month illness!

George was a founder of the Glastonbury, CT FF club, and had attended quite a few contests at Muncie and Lawrenceville in the past few years. I believe George's club flies outdoors at Rocky Hill, CT and indoor in a Glastonbury gym. (When I was about 9 years old, I actually saw a FF contest at Rocky Hill - while on vacation with Mom & Dad. Amazed by some of those fast-climbing rubber models, I was hooked forever!)

Thoughts - from Jim Bennet..... "When famous Indianians come to mind, Jim and Bob Cahill top the list - followed by 'the Gipper', Knute Rockne, Wilbur Shaw....."

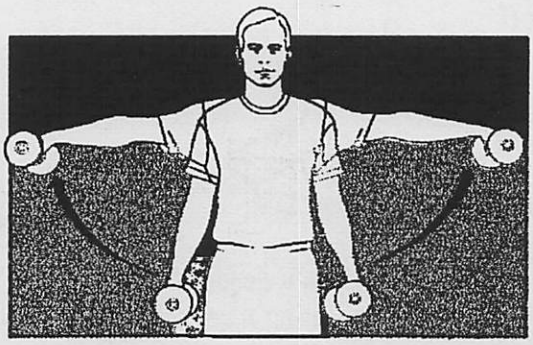
"Bob Cahill moved to Charlottesville, VA a few years ago. He says it was good to see The Moffet still going. He remembers when the trophy sat on their piano in Indianapolis in 1937 - when Jim won it. Bob thinks the Ed Naudzius' plane (the 1939 winner) could compete well today with Tan II and a modern prop!"

"Bob adds he's glad Bob Bienenstein, Phil Klintworth, Carl Redlin and Bud Romak are still going strong! Bob says he flies RC these days....."

.....and a big 'Get Well' to the following Agents:
Gib Robbins, following his recent heart attack; **Steve Frazier**, following his "botched" hernia surgery - necessitating a major repair; and **Guido Speedy** following his recent hospitalization. Whew!

Shoulder Abduction

This exercise strengthens the deltoid muscle, one of the most powerful muscles in the shoulder. To increase efficiency and decrease the risk of injury, work to 90° elevation.



1. Stand with arms at your sides.
2. Lift arms to shoulder height, keeping elbows straight.
3. Lower arms slowly to starting position and repeat.

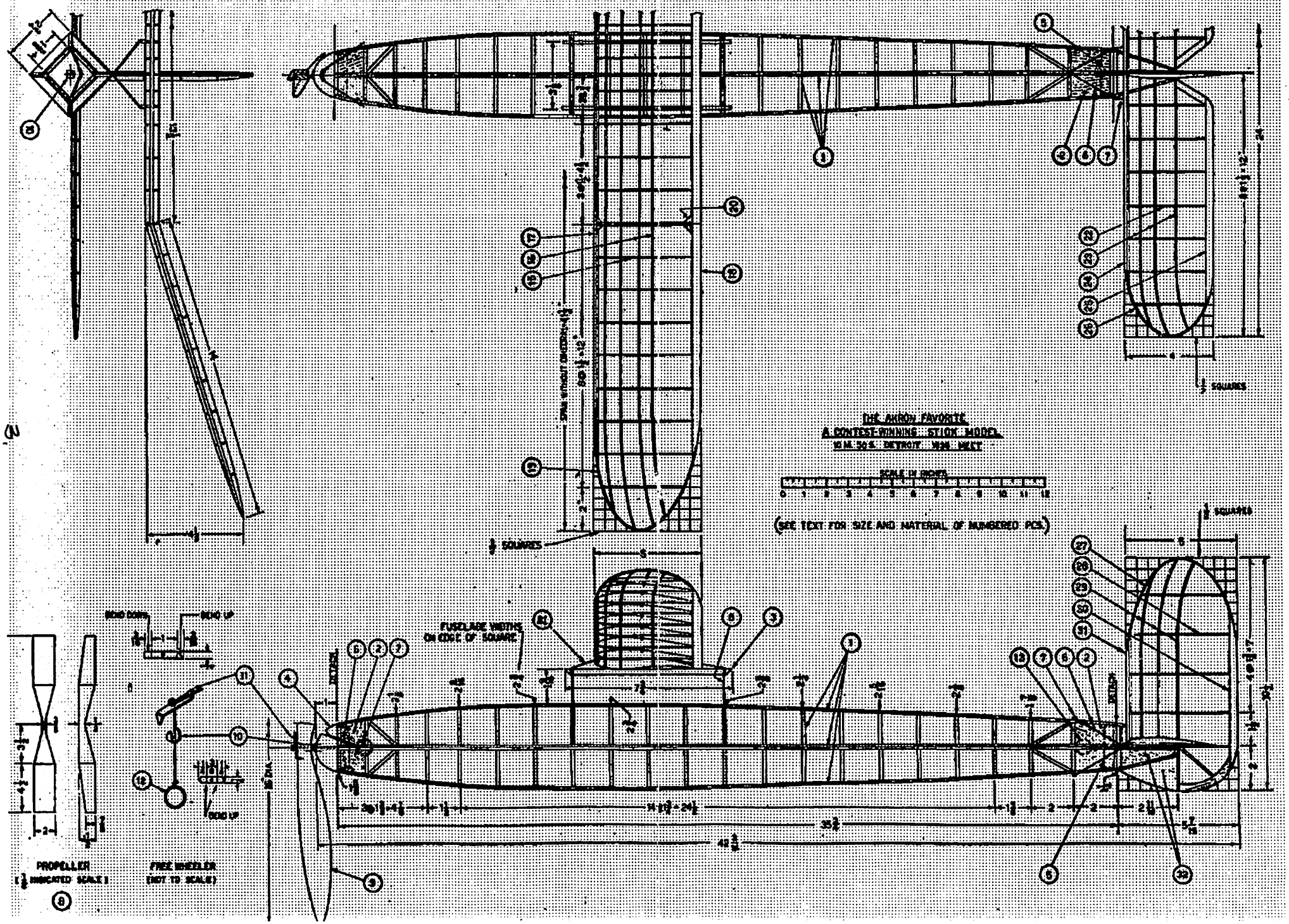


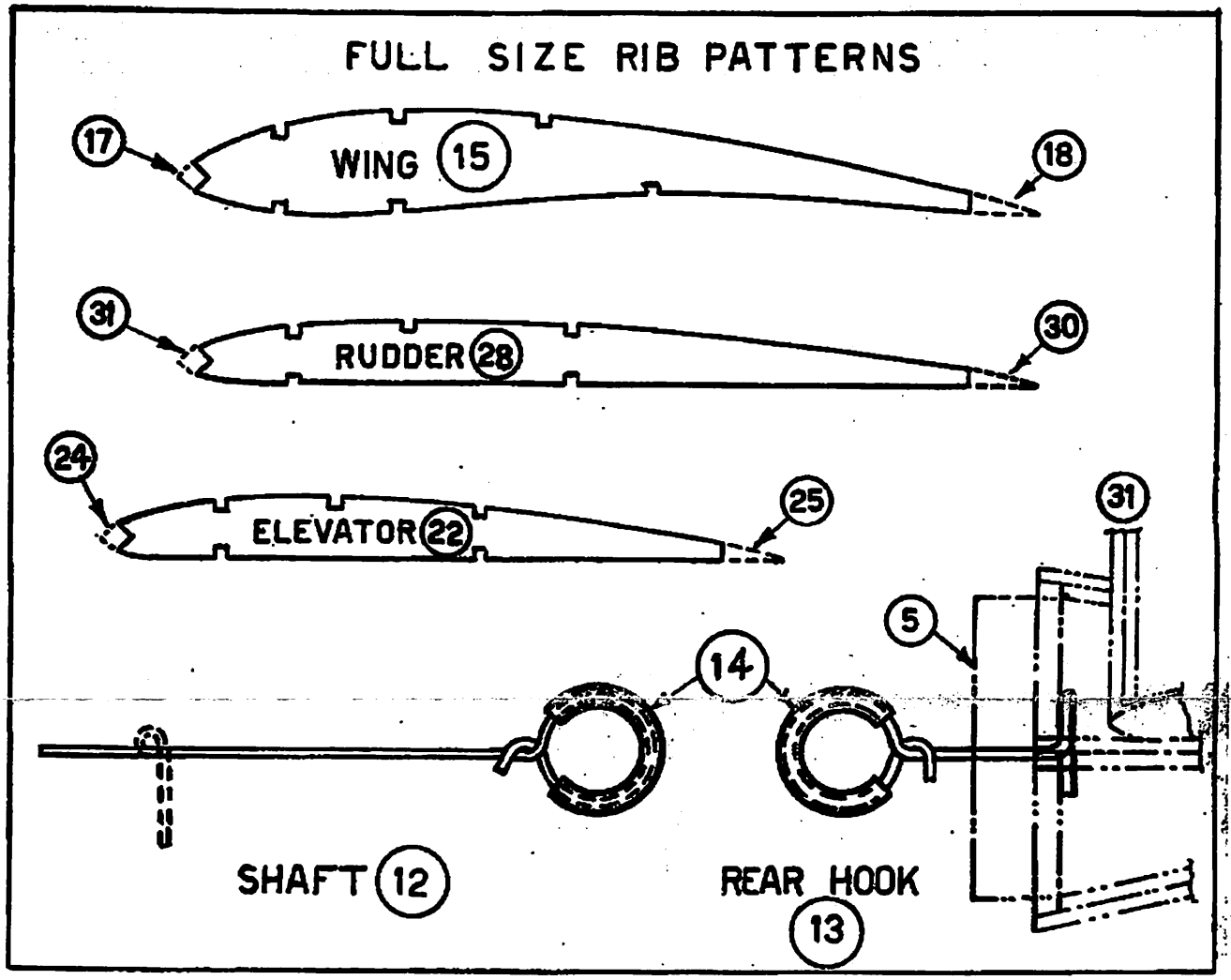
The plan on facing page - is *The Akron Favorite,* lifted from the June 1939 Air Trails mag. It was the '38 class winner at Detroit..... Wing area is about 200 sq.in. Thought you guys might like a peek!

Be lookin' for some changes - in our Fall contest format next year. Prexy **Phil Sullivan** is proposing the following:

* To include all National Cup events.
* Delete Payload (too few participants!)
* Reduce maximum entry fee to $20.
* Reduce the number of **trophies** from 57 to 52 - to accommodate all 16 Cup Events. This is a reduction from 3 to 2 places in all events. 4 hi-point trophies shall be presented in each of the 4 categories. Special consideration should be given to a nice 3rd place award.
* Change starting times both days to 8AM.

What do y'all think???


THE AKRON FAVORITE
A CONTEST-WINNING STICK MODEL
10 M. SIZE DETROIT HIGH WEST
SCALE IN INCHES
0 1 2 3 4 5 6 7 8 9 10 11 12
(SEE TEXT FOR SIZE AND MATERIAL OF NUMBERED PCS.)
PROPELLER
(½ INDICATED SCALE)
FREE WHEELER
(NOT TO SCALE)
FUSELAGE WIDTHS
ON EDGE OF SQUARE
SQUARES
WIND DOWN
WIND UP



(*...more scale stuff, cont'd...*)
how obscure you think it is - is documented in Jane's "*All The World's Aircraft*". Especially if it's a warbird or a "transitional" military subject. And don't forget AMA's Research Service - it's very good! That's where I originally got the 3-views for the subject I'm currently working on. (The copies were a tad bit distorted, due to the usual "Xerox-a-page-from-a-book" phenomena, but it was a start!) And AMA even told me where I could find a surviving prototype!

Needless to say, the next trip to a FF contest in the subject's area had me shooting up a couple rolls of film on the plane - as no color documentation for my particular variant was available at the time.

The internet is a fabulous source for aircraft description & documentation. I found plenty of supplementary drawings and data about my subject - *including airfoil data*! But if you'd like to use the prototype airfoil section and you have nothing to go on other than a NACA number, check out the **Selig** site on the i'net (thru the NFFS list). Chances are he'll have the section listed with

all it's coordinates! So much info was available online about my supposed 'rare-bird' that conflicting data also appeared, making validation of my final configuration choice a bit difficult!

Years after the initial research (the small 3-views, color shots of the proto, etc.), I'm finally getting off my tail and starting to build a couple of these models. Here's how I turned those distorted, small 3-views into useable plans.....

You'll need access to a flatbed scanner (Office Depot, etc.) and a computer drafting package (Autocad, ACAD LT, etc.). Access to a drafting plotter is nice, but not mandatory, as you can "tile" the drawing using standard 8 ½ x 11 sheets, then stick 'em together for the big picture.

Forget about blowing up that original, somewhat distorted, 4" x 5" Xeroxed 3-view using a direct, optical method! What you'll wind up with are outlines that are nearly 1" wide or greater, by the time you've reached the desired scale! It'll be so wide that it's nearly impossible to tell where to "split the difference" on those fat outlines for true-scale dimensions. And those errors will kill you on high AR subjects! It's much easier and far more accurate to approximate the true outline of the prototype using the line generating abilities of your computer drafting package by proceeding as follows:

Scan your little 3-view at the highest resolution possible: 200dpi is useable; 300dpi is good; 600dpi - great! Save this file as an "***uncompressed TIFF***" file. Next, import the file into your p.c. drafting program, *putting it into its own layer* - and 'lock' it, so you don't inadvertently erase or modify it during later operations! You'll be surprised as to how small this TIFF image will appear, but don't fret. Just zoom in on it 'til you're comfortable with the view.

Open a new layer and begin tracing over this imported 3-view "guide". For starters, pick the biggest component, say, the wing - as you'll have the best chance at accuracy (bigger is better!) - until you get the hang of the tracing process.

When you're satisfied with the accuracy of the traced wing outline, pick it and "***Writeblock***" it out into it's own drawing file. *At this point, decide upon the final scale*, because you'll be working in full size (for your model) from this point on. In addition, *stating the scale is an AMA Scale requirement*! To determine this scale factor, you'll need to know the actual wingspan of the prototype. Next, (for AMA Scale) assume a few "common" scales (1/8, 1/12, 1/16, etc.) and divide into the span to see how your future model might fit into the "going size" of your competition class. If you're heading toward Peanut, Walnut, Cocoanut, etc., scale - just use the rule's span limit to set the scale.

Next, measure the span of your freshly-traced wing drawing and, using the drafting program's linear dimensioning utility, note the value - probably a few inches. Now, compute the "multiplier" (for blowing the traced postage-stamp up to full size plans). The formula is:

$$\text{MULT} = \frac{\text{Span In Desired Scale}}{\text{Span In Postage Stamp Scale}}$$

Write the value down! You'll need to use this multiplier each time you transfer (Writeblock) more traced items to the full-size plan file. Once you've got your outlines transferred to the full-size plan, draw in the l.e., t.e., ribs, spars, fillets, etc., until all the parts are in place.

When you're satisfied with the plan's completeness and "look", plot it out - and start building!

And there you have it!! - MJW


CAHILL, WAKEFIELD, AND MRL!

CHAMPIONS GO TOGETHER—USE MRL CHAMPION BROWN RUBBER FOR THAT CHAMPION PLANE OF YOURS!

Others copy, but ours is still the only GENUINE MRL Special Brown Rubber used by Champions in every part of the world!

IT COSTS NO MORE—USE THE BEST!

1/32"—35 ft. 5c—225 ft. 25c	⅛" —10 ft. 5c—225 ft. 70c
3/64"—25 ft. 5c—225 ft. 30c	9/64"—10 ft. 5c—225 ft. 75c
1/16"—20 ft. 5c—225 ft. 35c	5/32"—15 ft. 10c—225 ft. 85c
5/64"—20 ft. 5c—225 ft. 40c	11/64"—15 ft. 10c—225 ft. 90c
3/32"—15 ft. 5c—225 ft. 50c	3/16"—15 ft. 10c—225 ft. 95c
7/64"—15 ft. 5c—225 ft. 60c	¼"—10 ft. 10c—225 ft. $1.20

M. R. L. Rubber Lubricant—Tube 10c; 3 oz. 30c
M. R. L. Microfilm Solution—3 oz. 30c; ½ pt. 65c
M. R. L. Contest Cement—Large tube 10c; 3 oz. tube 30c

All prices postpaid!

NO ORDERS UNDER 50c ACCEPTED!

MODEL RESEARCH LABORATORY

3531-T North Western Ave. Chicago, Ill.

"Night Flight"

- by Roger Staton -

How many people do you know who would fly model planes at three in the morning??? Well! There are at least two! Roger Wathen and myself got together one night for an impromptu building session - knowing that the glider contest was the next day, and neither of us were prepared.

We started building at approximately 8pm, and built several gliders each. Every time one was completed, we would rush out to test fly. It's really true that trees and other things (that go "bump in the night") do jump out and snatch planes out of the sky!

If my neighbors had looked out of their windows at 3am and saw us trying to find the errant planes in the trees, they would have thought us crazy! But there was no wind - ideal for testing.

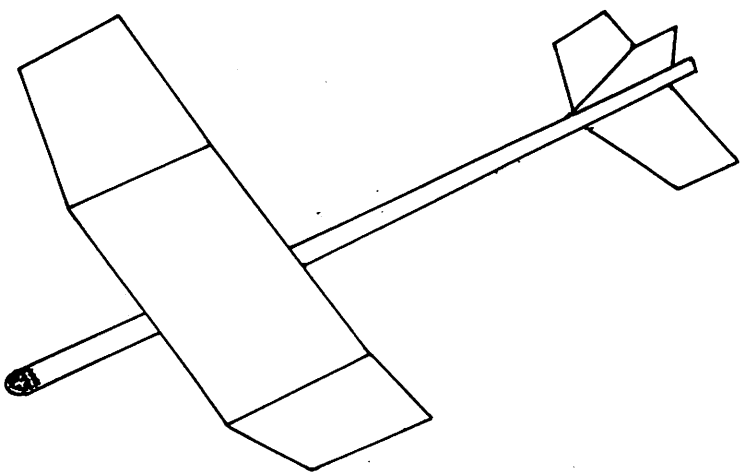
There has always been friendly competition between the "Rogers" (Lane, Wathen, Staton) in our club, and we don't care if the other wins.

.....just thought I would share this with other modelers - maybe to stimulate the building urge in them..... Roger Staton, I.M.A.C.



MINI CATAPULT GLIDER

CAM 352 2 pack



DESIGNED BY CHUCK MARKOS

CAMPBELL'S CUSTOM KITS

P.O. BOX 3104 Muncie. IN 47307

CIA 21st Annual Contest Results

OLD TIMER - NOSTALGIA - CLASSIC POWER

June 3-4, 2000 - AMA Flying Site, Muncie, IN

1/4A Nos. Gas (9 Fliers)

1.	Keith Fulmer	347
2.	Rudy Kluiber	345
3.	Roger Lane	340

B Nos. Gas (13 Fliers)

1.	Richard Covalt	914
2.	Bucky Servaites	677
3.	Norm Poti	463

A/B Fuse OT Gas (9 Fliers)

1.	Bob Edelstein	336
2.	Ted Dock	312
3.	Shel Myers	303

C Nos. Gas (6 Fliers)

1.	Hank Sperzel	898
2.	Elmer Jordan	480
3.	Gene Wicks	315

Jimmie Allen (7 Fliers)

1.	Frank Heeb	305
2.	Ed Konefes	301
3.	Bucky Servattes	285

Lg. OT Rubber Fuse (5 Fliers)

1.	Robert Walter	540
2.	Ed Konefes	507
3.	Ed Sneed	497

Sm. OT Rubber Stick (7 Fliers)

1.	Robert Walter	680
2.	O.C. Stewart	635
3.	Ed Sneed	518

Nos. Gas Ignition (6 Fliers)

1.	Dan Harshman	314
2.	W. Weisenbach	298
3.	Bill Hale	295

Early 1/2A Nos. Gas (13 Fliers)

1.	Rudy Kluiber	319
2.	Kenneth Smith	301
3.	Charlie Harper	284

Lg. Classic Power (9 Fliers)

1.	Richard Covalt	799
2.	Jack Marsh	714
3.	Gene Wicks	444

OT Gas (Glow) (4 fliers)

1.	Rudy Kluiber	324
2.	Elmer Jordan	268
3.	Bob Edelstein	181

C Pylon / Fuse. OT Gas (6 Fliers)

1.	Ted Dock	313
2.	W. C. Weisenbach	312
3.	Bill Burgess	293

A/B Pylon OT Gas (11 Fliers)

1.	Bill Hale	600
2.	Elmer Jordan	566
3.	W.C. Weisenbach	528

1/2A Nos. Gas (14 Fliers)

1.	Gene Wicks	1641
2.	Don Diggs	576
3.	Denny Dock	540

A Nos. Gas (12 Fliers)

1.	Richard Covalt	1152
2.	Jack Marsh	833
3.	Norm Poti	600

Sm. Classic Power (4 Fliers)

1.	Don Diggs	348
2.	Keith Barnett	280
3.	Charlie Harper	225

.020 Replica (6 Fliers)

1.	Jack Barker	332
2.	Rudy Kluiber	310
3.	Bill Barr	288

Lg. OT Rubber Stick (5 fliers)

1.	Walt Tomasch	840
2.	Ed. Sneed	790
3.	Joe Williams	698

Sm. OT Rubber Fuse (8 fliers)

1.	Joe Williams	671
2.	O.C. Stewart	618
3.	Ed Konefes	530

OT HLG (9 Fliers)

1.	Bob Larsh	327
2.	Denny Dock	316
3.	Rudy Kluiber	218

Commercial Rubber (6 Fliers)

1.	Ted Teach	474
2.	Ed Konefes	455
3.	Robert Walter	366

Gib Robbins 6/7/00

Northern Ohio Free Flight Association

Summer Free Flight Contest Results

AMA National Flying Site Muncie, Indiana, August 12-13, 2000

ABC Gas

N. Poti	1050
G. Morris	721
K. Fulmer	478
P. Sullivan	360
G. Scott	353
C. Harper	210
L. Campbell	210

PeeWee 30

C. Steinebach	2090
E. Jordan	2073
A. Avallone	2003
R. Lane	1967
B. Hale	1760
D. DeCook	1596
B. Barr	1352

ABC Oldtimer Fuselage

G. Morris	341
T. Dock	330
B. Burgess	301
B. Edelstein	292
K. Smith	256
E. Jordan	253

Oldtime Rubber

W. Tomasch	756
B. Jackson	690
R. Lane	453
D. DeCook	351
O. Stewart	297
B. Brewer	120

P-30/Coupe Combined

D. Sechrist	471
O. Stewart	325
V. Wicks	304
B. Barr	301
J. Tortorelli	249
B. Jackson	234
D. DeCook	232
B. Coverdill	216
A. Coverdill	110
R. Lane	80

Hand Held Catapult Glider Jr.

J. Tortorelli	190
M. Avallone	142
J. Poti	125
A. Avallone	94
K. Jones	78
A. Coverdill	67
S. Steinebach	26
K. Steinebach	22

.1/2A Nostalgia PAA Load

Bill Barr	190

.020 Payload

B. Hale	339
T. Dock	348
G. Bowers	293
E. Jordan	222
R. Lane	166

Nostalgia "Zeek"

B. Hale	343
J. Marsh	312
K. Smith	283
E. Jordan	307
B. Edelstein	274

Hand Held Catapult Glider

T. Jones	272
W. Tomasch	211
E. Avallone	103
J. Griner	99
E. Jordan	98
L. Campbell	65
C. Avallone	63

1/2A Nostalgia Gas

B. Burgess	428
K. Fulmer	359
J. Marsh	342
G. Bowers	314
E. Jordan	311
G. Robbins	309
P. Sullivan	304
C. Rowland	274
K. Smith	249
D. Harshman	226
B. Hale	213
B. Edelstein	209

1/2A Gas Power

N. Poti	1558
K. Fulmer	1447
J. Marsh	884
C. Rowland	311
G. Morris	308
G. Scott	230

.020 Old Timer/Nostalgia

R. Lane	334
G. Bowers	300
B. Hale	299
E. Jordan	270
B. Barr	224
B. Reuter	200
D. Harshman	101

Rubber Power Jr.

M. Avallone	291
J. Poti	286
K. Jones	242

Classic Open Towline Glider

O. Stewart	348
S. Johnson	330
W. Weisenbach	316
M. Avallone	243
A. Avallone	48

ABC Nostalgia Gas

B. Edelstein	1440
K. Fulmer	600
C. Harper	594
G. Robbins	480
J. Marsh	475
G. Bowers	469
E. Jordan	463
C. Rowland	338
L. Campbell	324
D. Harshman	113

ABC Old Timer Pylon

B. Burgess	600
D. Harshman	457
K. Smith	417
E. Jordan	307
B. Edelstein	274

Hand Launch Glider

T. Jones	300
B. Reuter	141
P. Sullivan	131
L.Campbell	98
J. Griner	16

Hand Launch Glider Jr.

J. Poti	68
M. Avallone	59
A. Avallone	54
C. Avallone	52
K. Jones	44

.010 Gas Power

B. Hale	339
B. Barr	305

Team Hand Held Catapult Challenge
Won by NOFFA team of R. Kluiber, C. Jones, T. Jones

High Point Champ – Elmer Jordan

Very nice weather both days. Thank you for your support and we hope to see all of you next year.

Central Indiana Aeromodellers

28th Annual Regional

FREE FLIGHT CONTEST

At the AMA Flying Site in Muncie, IN - September 16-17, 2000

This is an AMA "AAA" Sanction Contest - Category III #01525

Saturday, 9/16, 9:00 - 5:00 EST

- Classic Power
- A/B AMA Gas
- Mulvihill Rubber
- Hand-Held Catapult (J, SO)
- Pee Wee 30
- ½ A Nos Gas
- ABC Nos Gas
- .020 PayLoad
- Moffett/Korda Combo

Sunday, 9/17, 9:00 - 4:00 EST

- ½ A AMA Gas
- C/D AMA Gas
- P-30 Rubber
- Hand launch Glider (J, SO)
- ABC Old Timer Gas
- ¼ A Nos Gas/.020 Replica
- Jr. Rubber (Anything)

All events are Jr.-Sr.-Open combined unless otherwise noted above.

Entry Fee: $10.00 first event. $3 each additional event. ($25 Max) Juniors, $0

Awards: Trophies to third place in all events. Trophies and merchandise for Jr.

Rules: AMA events according to the 1999-2001 AMA Rule Book, Cat. III.
Old Timer events will be flown according to the Sam Rule Book.
Nostalgia events will be flown according to latest NFFS Nostalgia Book.

Pee Wee 30 according to Orbiteer Rules.

Classic Power: Any engine. Maximum aspect ratio, 8-1. No auto surfaces.

Bean Feed after the flying on Saturday!!

CD: Phil Sullivan
4536 Southern Ave
Anderson, IN
(765) 640-2921

CD: Moe Whittemore
2348 S, 700 West
New Palestine, IN 46163
(317) 861-4266

The NFFS National Cup Competition

MID-AMERICA F. F. CHAMPS !

MID-AMERICA AIR CENTER

LAWRENCEVILLE, IL . AMA Sanctioned . Sponsored by Tri County Aero
SEPTEMBER 23 & 24, 2000 . Saturday 9:00 AM-5:30 PM
Practice/testing, Friday . Sunday 9:00 AM-4:30 PM
ENTRY FEE $10 1ST EVENT-$3 ALL OTHERS JUNIORS $2 PER EVENT

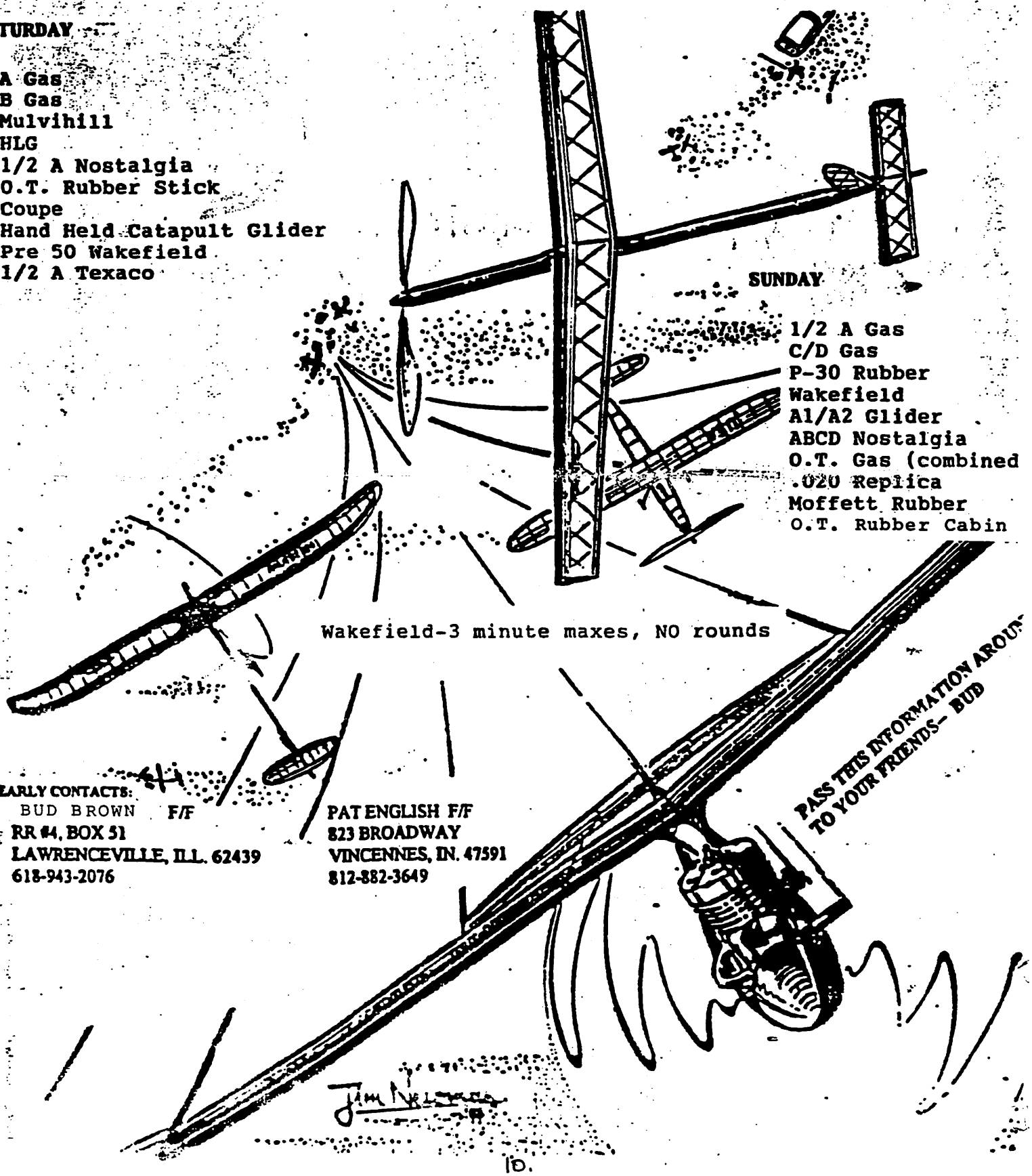
SATURDAY

A Gas
B Gas
Mulvihill
HLG
1/2 A Nostalgia
O.T. Rubber Stick
Coupe
Hand Held Catapult Glider
Pre 50 Wakefield
1/2 A Texaco

SUNDAY

1/2 A Gas
C/D Gas
P-30 Rubber
Wakefield
A1/A2 Glider
ABCD Nostalgia
O.T. Gas (combined
.020 Replica
Moffett Rubber
O.T. Rubber Cabin

Wakefield-3 minute maxes, NO rounds



PASS THIS INFORMATION AROUND TO YOUR FRIENDS- BUD

EARLY CONTACTS:

BUD BROWN F/F
RR #4, BOX 51
LAWRENCEVILLE, ILL. 62439
618-943-2076

PAT ENGLISH F/F
823 BROADWAY
VINCENNES, IN. 47591
812-882-3649

CIA FALL SCRAMBLE - FREEFLIGHT EXTRAVAGANZA

AMA & NFFS SANCTIONED FEATURING ALL NATIONAL CUP EVENTS

OCTOBER 14 & 15, 2000 -- INTERNATIONAL AEROMODELING CENTER - MUNCIE, INDIANA

9-5 EST SATURDAY - 8-4 EST SUNDAY

This is an outdoor free flight duration **Category Championship** and **Grand Championship** contest. Fly any multi-flight event either day but must start and finish the same day. No Reentries. Categories and events are as follows:

AMA NON-POWERED	AMA CO2, ROCKET & RUBBER POWERED	AMA ELECTRIC & GAS POWERED	NON-AMA EVENTS
HL GLIDER (140)	MULVIHILL(120)	1/2A GAS(101)	1/4A NOS GAS
CATAPULT GLIDER (142)	BIG E(121)	A GAS(102)	Early 1/2A NOS GAS
F1A - A2 GLIDER(150)	ORNITHOPTER(125)	B GAS(103)	1/2A NOS GAS
F1H - A1 GLIDER(154)	MOFFETT(128)	C GAS(104)	A NOS GAS
	BOSTONIAN(14gm.)	D GAS(105)	B NOS GAS
	F1B – WAKEFIELD(151)	PAYLOAD(106)	C NOS GAS
	F1G - COUPE d'HIVER(153)	F1C – POWER(152)	.020 PEE WEE 30
	*CO2(156,163,164 combined)	F1J - SMALL POWER(155)	1/2A CLASSIC POWER
	ROCKET(162)	*ELECTRIC(160,161 comb.)	ABCD CLASSIC POWER
	P-30(124)	SUPER "D"	30 SEC. ANTIQUE
	#DAWN UNLIMITED(122)		ABC OT CABIN
	AUTOGIRO(126)	*All classes combined	ABC OT PYLON
	HELICOPTER(127)	# Fly Sunday morning 7:30am	
	@OT RUBBER	@ Large & Small, Cabin & Stick combined	

-THIS WILL BE A CATEGORY III CONTEST FOR APPLICABLE EVENTS.
-LARGE FAI; (7) FLIGHTS, NO ROUNDS, (3) MIN. MAX WEATHER PERMITTING - SMALL FAI (5) FLIGHTS, NO ROUNDS, (2) MIN. MAX.
-CLASSIC POWER - (3) SEVEN SECOND ENGINE RUNS, THEN (5) SECONDS FOR ALL FLYOFFS - (2) MINUTE MAXES FOR ALL FLIGHTS (no engine restrictions; no movable surfaces or geometry changes during flight; aspect ratio limited to 8.0 or less; calculated aspect ratio displayed on top surface of wing.)
-NOS. GAS – 1999-2001 NFFS RULES - (3) NINE SEC. ENGINE RUNS, THEN (6) SEC. FOR ALL FLYOFF FLIGHTS; 2 MINUTE MAXES.
-OTHER EVENTS NOT LISTED WILL BE POSTED AT THE CONTEST AND WILL BE TYPICAL FOR THAT EVENT.
AWARDS: Merchandise award for the **HIGH TIME** in each event for Open & for Jr-Sr combined. Trophy award for each Category Champion (Jr-Sr-Op comb.) Category Champion determined by dividing the number of entries in an event by the place won in the event to determine a score and summing the best (3) event scores for a category. Trophy and merchandise award for Open Grand Champion & Jr-Sr Grand Champion. Grand Champions determined by summing the best event score from three of the four categories (must fly one event in three different categories to qualify).

ENTRY FEES: $5.00 first event - $5.00 2nd event. $10.00 MAX entry fee. Juniors and Seniors free.

CONTEST DIRECTOR: Richard Covalt, 2716 Catalina Drive, Anderson, IN 46012 Ph: (765) 643-2278 e-mail: RXCovalt@aol.com

2000 C.I.A. AREA FREEFLIGHT CONTEST CALENDAR

JUL	9	IMAC Annual	Bong, WI
	16	Pelican Old Timer	Bong, WI
	23	Aeronuts Old Timer	Bong, WI
JUL 30 - AUG 3		AMA/NFFS FREE FLIGHT NATIONALS	AMA Flying Site - Muncie, IN
AUG	6	Bong Eagles Annual FF Meet	Bong, WI
	12,13	NOFFA FF Contest	AMA Flying Site - Muncie, IN
	13	J. Noonan Memorial - Silent FF	Bong, WI
	18-20	Annual Dog Show	AMA Flying Site - Muncie, IN
	18-20	Empire States FF Champs	Geneseo, NY
	26,27	Aeronuts Midwestern States Champs	AMA Flying Site - Muncie, IN
	26,27	40th Annual Chicago Aeronuts FAI Invit.	AMA Flying Site - Muncie, IN
SEP	2,3	COFFC Free Flight Meet	AMA Flying Site - Muncie, IN
	4	Labor Day	
	16,17	CIA 28th Annual AAA FF Contest	AMA Flying Site - Muncie, IN
	16,17	Hoosier Cup (America's Cup FF Comp.)	AMA Flying Site - Muncie, IN
	23,24	Mid-America F.F. Champs	M-A Air Center - L'W'c'Ville, IL
OCT	6-13	SAM Champs	Pensacola, FL
	14,15	CIA Fall Scramble	AMA Flying Site - Muncie, IN
		(Featuring all National Cup events)	
DEC	29-31	47th King Orange International	Palm Bay, Fl

The **INFORMER**

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