CENTRAL INDIANA AEROMODELLERS

CIA INFORMER

FREE FLIGHT NEWS OF THE MIDWEST

** The Weather **
Cut wood in the light of the moon
It will burn well & stay bright!

- Editor -
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CIA Annual Banquet - January 27, 2001 - by MJW

Another great turnout for the yearly bash at Welliver's! Again, nearly 60 hungries showed for the festivities. Good thing there weren't more, cause this time they packed us into a small upstairs room!

Again, Prexy Phil Sullivan did a stellar job of emcee'ing the event, with his opening theme being "we are family". We then remembered the past year's losses: AMA's Greg Chartrand and Bob Vojslavic; Bob ('the bear') Reardon, a Chicago area distributor; and SAM photographer Harold Johnson. In addition, Agent Dick Hall lost his wife to cancer this year.

But Phil has a tasty way of transitioning from the serious with an appropriate joke to set us up perfectly for the festivities to follow. He then dug into the club milestones for the past year. Would you believe a steady 12-15 bodies at *every* Klub Meeting?? A new record! These meetings also spawned some great sho'n tells, from C/L Mouse racers thru Jimmie Allen & Sparky small rubber stuff, thru a very old Comet Mercury, to Zeek 'family' presentations! Phil also handed out many thanks to the CDs and their assistants for our smooth-running contests this past year, then gave us a sneak-peek at some things to come during the 2001 season.

After the feedbag came Raffle Time! The highlight of the traditional giveaway this year was the very generous donation of 5 engines and accessories by Phyllis Murphy! Other donations from club members and area hobby shops insured that there was "something for everybody" in the crowd.

Phil then introduced Bob Perkins - founder & implementer of the National Cup series. Bob gave a wrap-up of the 1st year's activities. "It was BIG - *Really* Big"! "More than I ever dreamed possible". Bob give a big pat on the back to assistant Joe Mekina for all his hard work and support. Over *700* contestants had scores that had to be accounted for! (And 300 more who weren't tracked...!) Bob also stated that the next area of the NC to be worked out is the treatment of the Junior categories.

Dave Thomson then gave his traditional pitch for the Indoor spectacular down at Johnson City, TN,

(Cont'd p.4)



MUNCIE FREE FLIGHT GAS FLYERS NON-COMPETITIVE IN NATIONAL CUP COMPETITION FOR 2001.

What a shame! A beautiful flying field, generous free flight schedule, and lots of competitors, but little or no opportunity to be competitive in the Nostalgia or AMA Gas National Cup categories. Probably not the Rubber category either, but since I don't fly rubber I will let those folks speak for themselves.

Why are B/C Nostalgia Gas events always combined? There are almost no C Nos Gas ships in this local contest drawing area and the guys that do have them are NC competitors and do not want combined events. B Nos Gas would draw the same amount of contestants and give everyone a NC event to fly. Having ABCD AMA Gas combined which is common across the entire US is even more of a bad situation. A Gas draws on 1/2 A ships with .051 engines, while B Gas is still the most competitive and largest draw of the large gas events. Again, only the most competitive contestants fly C & D Gas and they want National Cup events not meaningless combined events. Why not have A Gas, or B Gas, or for something really different B Gas & D Gas? If the events continue to be combined contestants will build aircraft to the least common denominator like A or B Nos Gas ships and 1/2A Gas AMA ships with a .051 for ABCD Gas.

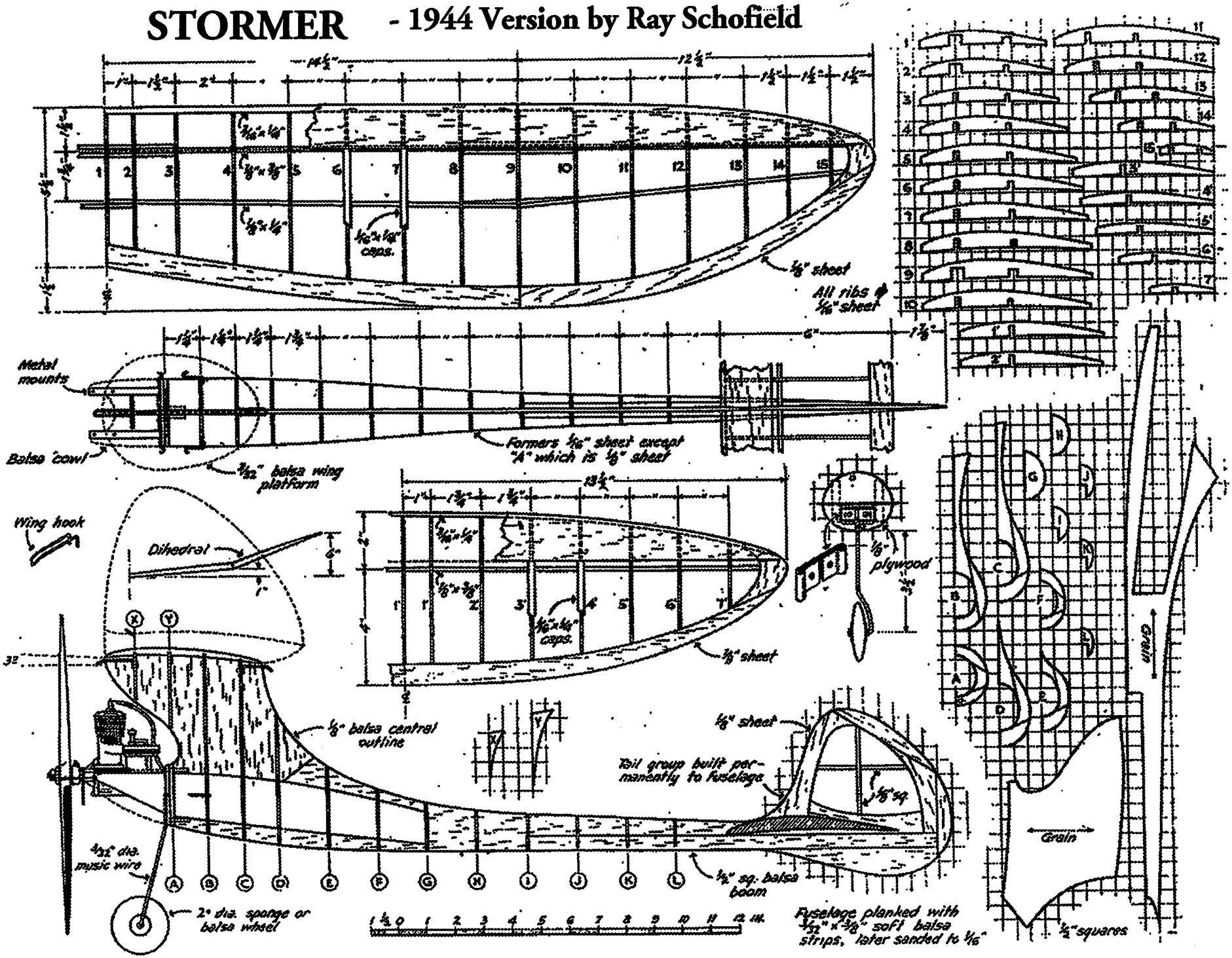
For a free flight contest site (ala Muncie) to be a competitive "home field" for National Cup competition all the events in a National cup category need to be offered six times. For Nostalgia and AMA gas only 1/2A will be offered six times at Muncie in 2001. There will be three contests in 2001 at Muncie in which all Nostalgia Gas events will be flown, and only two contests (hopefully three if a Monday/Tuesday contest date is approved) in which all AMA Gas events are offered. Please note that the Glider NC category is well covered at Muncie and produced a NC category winner in 2000. Congratulations Tom Jones.

Why is it that Americas Cup events are never combined? Answer: Because no one would fly in them; they wouldn't be Americas Cup events. Perhaps National Cup free flight gas event competitors should not support contests that combine events just because it has been done that way in the past. The paradigm has changed. A local free flight contest is not just local anymore with National Cup competition. Please CDs take note of this.

Dick Covalt
National Cup wannabe competitor
(Article submitted for CIA Informer 2/26/2001)



STORMER - 1944 Version by Ray Schofield



(*Banquet* - cont'd from p.1)
May 30th thru June 3rd. Dave also brought us up to date on his impressions of the recent F1D World Championships in the Slanic, Romania Salt Mine. The internal illumination in the mine is the equivalent of a moonlit night! So these trans-parent models had to be tracked with a spotlight - and you had to bring your own batteries! Dave ran the light, and mentions it was a really rough job! (I guess! Those things stay in the air for over 50 minutes!)

Next, Les Hallgarth presented the CIA Category Awards. The winners were as follows:

AMA Power
1) Keith Fulmer
2) Gil Morris
3) Bucky Servaites & Jack Marsh

AMA Non-Power
1) Jon Reuter (Jr)
2) Ed Konefes
3) Tom Jones

Nostalgia Gas
1) Keith Fulmer
2) Gene Wicks
3) Bill Hale/Jack Marsh

Old Time Gas
1) Ted Dock
2) Dan Harshman
3) Elmer Jordan

Old Time Non-Gas
1) Ed Konefes
2) Walt Tomasch
3) Joe Williams

Open Hi-Points
1) Ed Konefes
2) Keith Fulmer
3) Elmer Jordan

Jr/Sr Hi-Points
1) Jon Reuter
2) Mike Avallone
3) Keith Barnett

Now, on to the dreaded *Crash & Burn* Award..... This year there were 4 candidates: **Jack Marsh**, trying to prove that green airplanes can fly, had his big D job (a SWAT, maybe) make a magnificent loop into the ground! Green pieces were in the air for 2 hours afterwards.... Then there was AMA's **Steve Kaluf**, who forgot to get bumper stickers for the NATS..... And from the Banquet floor came the nomination of **Steve Frazier**, by Joe Mekina. Joe had a nice plaque which encased Steve's AMA# (on a piece of Monokote) that Joe found scattered in the Muncie field. Steve also ran over one of his own planes while he was chasing a model on Gib's 4-wheeler..... And how about **Les Hallgarth**, who was losing his T'bird, but had a good bead on it with his Walston. The signal led him faithfully to the transmitter in the center of a burned-out circle in the grass! The model might not have crashed, but it sure as hell burned!

To The Man Who Burned - **Les Hallgarth***!!!*

Next in the program were the *CIA Outstanding Achievement Awards.* The recipients were:

* **Jim Richmond** - for just missing an F1D win at the World/Championships by 6 seconds!
* **Bucky Servaites** - for setting a new National Record in Cat III 1/2A Gas.
* **Austin Gunder** - for becoming Junior F1J Champ!

Finally, the *CIA Service Awards* were distributed . The recipients were:

* **George** and **Patty Emmelman** - for running the im-mensly popular Bean Feed during the Fall Scramble.
* **Lee Campbell** - for continuing to be a force in the model kit business.
* **Dick Covalt** - for his ongoing technical contribu-tions to the FF game.
* **Bob Perkins** - for creating and administering the 1st NFFS National Cup competition for 2000.
* **Moe Whittemore** for his tribulations with the CIA Informer.
* **Beth Krush** and **Howard Hill** - for their many years of artwork contributions to the CIA Informer.

Appropriately, Phil closed the Banquet with Bob Hatschek's 1962 poem "Free Flight". *".....you created it. Vicariously, you soar with it....."* That's all folks! And a big hand for **Phil Sullivan**! - MJW

Some Subjective Stuff & Observations – While Testing Model Planes - by Mo

Take your typical 8% thick, flat-bottomed 'foil. Then observing model glide behavior as changes are made……

- Adding a turbulator (a device between 0.1% & 0.8% thick @ the proper chord location) ***makes the model fly nose-heavy*** – whereas it was perfectly trimmed, before! ***The center of lift has moved rearward.*** This leaves one with a couple of good choices: 1) Move the wing forward, taking advantage of the beneficial short nose moment (reduction of the moment of inertia) or; 2) "Add lightness" to the model's front end.

Now, add a trailing edge "fence" to the wing…..

- Adding a fence (Gurney flap – or 'kicker') to the T.E. on <u>half</u> of the wing causes the model to turn ***away*** from the change (left turn for flap on right panel). This might suggest that the flap has reduced the drag on the right panel, or maybe increasing the lift a bit – the Gurney flap's claim to fame on full-size stuff. I suggest that the primary effect on the model is ***the flap shifts the center-of-lift forward***, the turn being induced by a wing-skew effect caused by this C.L. shift (on the ½ wing).
- Testing with flaps installed on both wing halves find an otherwise well-trimmed model flying tail-heavy after the addition of the flaps – further reinforcing the forward-C.L suggestion! When the model was re-trimmed, the glide speed was noticeably slower than that of the non-flapped version, suggesting an increase of CL! Food for thought…..
- ***A fence that's big enough to improve the glide of a Hand-Launch glider will kill the climb!*** Much too draggy!!!

My rubber models have very short nose moments, compared to more conventional models. As a result…..

- ***They have a very strong right tendency under power.*** I believe this is primarily due to the close proximity of the prop to the wing. Its wash 'lifts' the bottom of the left panel (increases attack angle), and shoves down the top of the right panel (decreases attack angle). The higher the prop pitch, the stronger the effect! This wash effect is apparently great enough to overcome the "torque-left" tendency seen in traditional, longer-nosed models. (I'd love comments on this!!)
- Only my long-nose version of an otherwise identical Coupe flew left under power!

And a bit of Indoor…..

- My short-nose indoor models fly hard-right until the power burns off, before grooving left. (Where have I heard this before??) More propwash effect?
- ***The amount of thrust offset used to combat this right tendency on indoor models must be highly wasteful of energy***!

C'mon, you guys! Submit an article or two! Otherwise I'll keep regurgitating my old model test notes!! - MJW

For what it's worth…. For the 1/23/82 CIA Banquet, adults paid $8.00!

2001 C.I.A. AREA FREEFLIGHT CONTEST CALENDAR

JAN	13,14	SOUTHWEST REGIONAL FF Champs	ELOY, AZ
JAN	20	C.I.A. ANNUAL BANQUET	HAGERSTOWN, IN
MAR	15	COFFC ANNUAL BANQUET	COLUMBUS, OHIO
APR	6,7,8	R/C EXPO (COLLECTO SAT)	TOLEDO, OH
MAY	12,13	FFAMS ANNUAL FF CONTEST	AMA FLYING SITE - MUNCIE, IN
MAY	13	MOTHER'S DAY	
MAY	28	MEMORIAL DAY	
MAY 30-JUN 3		**USIC/AMA INDOOR NATIONALS**	**JOHNSON CITY, TN**
JUN	2,3	CIA OT / NOS / CLASSIC GAS FF MEET (Featuring all National Cup Nostalgia Events)	AMA FLYING SITE - MUNCIE, IN
JUN	4,5 (Mon, Tues)	CIA National Cup Challenge (Featuring all – Open & Jr - AMA Gas, Glider, and Rubber National Cup Events)	AMA FLYING SITE – MUNCIE, IN
JUN	**8-10**	**AMA GRAND EVENT**	**AMA FLYING SITE - MUNCIE, IN**
JUN	16,17	M.A.M. OT FF MEET/RC ASSIST, Slag & Nos.	STURGIS, MI
JUN	23,24	52nd Annual INTER CITY FAI/NOS/AMA	AMA FLYING SITE - MUNCIE, IN
JUN 30, JUL 1		NOFFA FREE FLIGHT CONTEST (Featuring all Jr, & Op Glider, 3 Op AMA Gas, 3 Op Nos Gas, and 2 Op Rubber National Cup Events)	AMA FLYING SITE - MUNCIE, IN
JUN 30, JUL 1		FLORIDA STATE FF MEET	PALM BAY, FL
JUL 29-AUG 2		**NFFS/AMA FREE FLIGHT NATIONALS**	**MUNCIE, IN**
AUG	17-19	ANNUAL DOG SHOW	AMA FLYING SITE – MUNCIE, IN
AUG	18,19	DIXIE FF NATS	PALM BAY, FL
AUG	25,26	AERONUTS MIDWESTERN STATES CHAMPS	AMA FLYING SITE - MUNCIE, IN
SEP	1, 2	COFFC FREE FLIGHT CONTEST	AMA FLYING SITE – MUNCIE, IN
SEP	3	LABOR DAY	
SEP	7– 21	WORLD HELICOPTER CHAMPIONSHIPS	AMA FLYING SITE - MUNCIE, IN
SEP	22,23	FLYING ACES MIDWEST NATIONALS	AMA FLYING SITE - MUNCIE, IN
SEP	28,29,30	C.I.A. 29th Annual FF CONTEST (Featuring all Open & Jr National Cup Events)	AMA FLYING SITE - MUNCIE, IN
OCT	6,7,8	GATHERING OF EAGLES	PENSCOLA, FL

NOTE: The October CIA Fall Scramble will not be held in 2001 due the CIA 29th Annual being held later in September.

DEC	29-31	48TH KING ORANGE INTERNATIONAL	PALM BAY, FL

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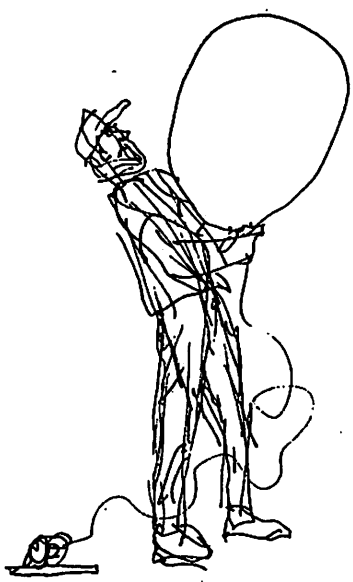
NOTICE!!!

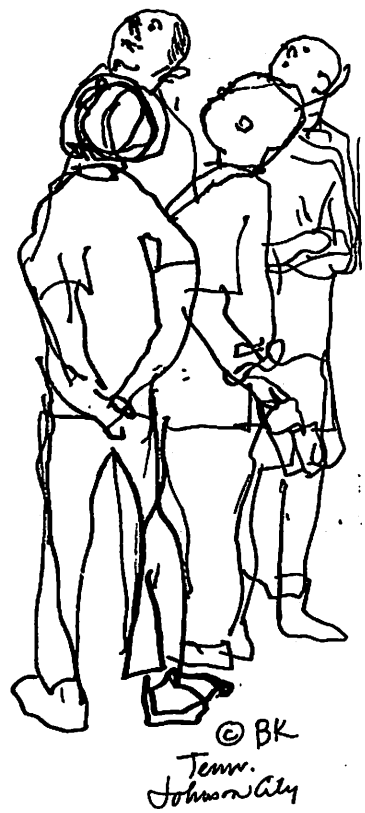
Now, about those points claim sheets..... I'd like to start this article by thanking the faithful few souls who religiously send in the record of their years' flying accomplishments - on the CIA Contest Points Claim forms. These sheets (furnished in the Informer end-of-year issues) were set up for the purpose of figuring out who has accumulated enough points from their various placings at area contests throughout the flying season. Those with enough accumulated points (relative to other flyers) are eligible for various Hi-Point Category trophies - awarded at the CIA Annual Banquet.

Due to a lack of interest, forgetfulness - or whatever - our contest flyers gradually got out of the habit of filling out these contest points claims sheets. It got bad enough that in order to keep the award tradition going, first Harry Murphy, then Les Hallgarth would scour the years' contest results from various newsletters and publications. Then they'd tally the names of possible contenders, figure out the points, then select the various award recipients. This resulted in a great amount of work on their part. Often, the award recipient wouldn't even be aware that he/she was eligible for the goodie giveaway at the CIA Banquet - being totally surprised when their name was called to come forward!!

Alas! All good things must come to an end. The system changes this year. No more freebies. ***Only those who fill out and turn in the Contest Points Claims Sheets will be considered for these category awards.*** If nobody cares enough to send in their claim sheets, the award will go begging. In fact, only once in the last 10 years has the 'CIA Indoor Champ' trophy been awarded. It's to the point that we're considering dropping this award Category. Prove us wrong!

I'm including the Contest Points Claim sheet on page 11 of this Informer issue. Copy it a few times! Then fill 'em out and send 'em in! You can send them to me (address on the front of the Informer) or to Les Hallgarth, 847 Glen Echo Dr., Anderson IN 46012. Maybe in the near future, you can submit your points online, now that the CIA website's just (re)opened. - MJW



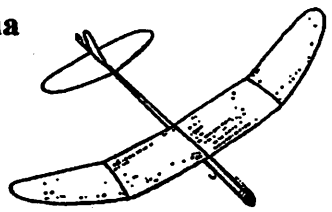




Free Flight AeroModeler's Society

Annual Free Flight Contest

AMA National Flying Site - Muncie, Indiana
AMA Sanctioned - Category III

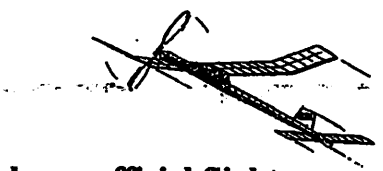


May 12-13, 2001

Revised event schedule *

Saturday (9:00 am to 5:00 pm local time)	Sunday (8:00 am to 4:00 pm local time)
Hand Launched Glider (JS) (O)	Catapult Glider (JS) (O)
A Gas (JSO) *	1/2 A Gas (JSO)
BCD Gas (JSO) *	Jr/Sr Rubber (JS)
1/2 A Nostalgia (JSO)	P-30 (JSO)
A Nostalgia (JSO)	1/4 A Nostalgia / .020 OT Replica (JSO)
ABC OT Fuselage (JSO)	BC Nostalgia (JSO)
OT Rubber Stick combined (JSO)	ABC OT Pylon (JSO)
Baby Bee 40 (special rules)	OT Rubber Fuselage combined (JSO)
Pacific Ace Rubber (special rules)	Early 1/2A Nostalgia (JSO)
F1G (JSO)	F1H (JSO)
F1J (JSO)	

Entry Fees: Open $10 (includes all events) Juniors & Seniors FREE.



Awards: Plaques for FIRST.
Certificates through THIRD.
Merchandise awards for all contestants who enter and make an official flight.

AMA or MAAC membership required. Youth memberships available for Junior and Seniors for $1.00

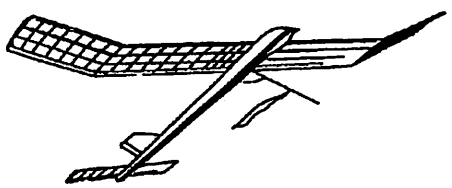
Event Rules: Current AMA, NFFS Nostalgia and SAM Old Time rules apply.

F1G, F1H, F1J will be flown in rounds. Five 1 and 1/2 hour rounds beginning at 9:00. Each round to start on the hour with 1/2 hour overlap. Flyoffs if necessary to begin at 3:00 pm

Baby Bee 40 and Pacific Ace Rubber will be flown to special rules, see page 2 of this flyer or contact CD's.

* previously published event schedule had ABCD Gas combined, event schedule revised to reflect A Gas as a separate event.

America's Cup Meet
for the FAI
Mini - Events
F1G, F1J, F1H



National Cup Meet
with events for the
4 National Cups:
AMA Power
AMA Rubber
AMA Glider
NFFS Nostalgia

Joe Mekina (Contest Director)

PO Box 33, Donnelsville, OH 45319
phone: 937-882-6775
email:joemek@aol.com

Lee Campbell (Assistant Contest Director)

PO Box 3104, Muncie, IN 47307
phone: 765-289-7753
email: souper30@gte.net

Central Indiana Aeromodellers

AMA Field
Muncie Ind.

22nd Annual

AMA
Sanctioned
Sam-Nffs

OLD TIMER
NOSTALGIA GAS
CLASSIC POWER
Regional Free Flight Champs

June 2nd & 3rd 2001

Sat June 2nd (9 - 5) EST

1/4 A Nos. Gas
B Nos Gas
A/B Fuselage OT Gas
Early 1/2 A Nos gas
Nos Gas Ignition
OT Gas (Glow) Pylon/Fuselage.
Small OT Rubber Stick
Classic Power .11cu.in. or more.
Jimmie Allan Rubber
Large OT Rubber Fuselage
C NOS gas

Sun June 3rd (8 - 4) EST

1/2 A Nos Gas
Commercial Rubber
A/B Pylon OT Gas
C Pylon/Fuse OT Gas
A Nos Gas
Small OT Rubber Fuselage
Large OT Rubber Stick
.020 Replica
Classic Power .10cu.in. or less
OT HLG

National Cup competition for Nostalgia Gas classes

(AWARDS) thru 3rd place in all events
(ENTRY FEE) $10 first event $15 Lets you fly everything, JR/SR FREE
(OLD TIMER] Sam rules except approved ignition engins only, No converts, Glow, or diesels)
(NOSTALGIA GAS) NFFS Rules, 9 sec. engine runs, Flyoffs are 6,6,6,6 etc.
(OLD TIMER GLOW) Any old timer model with any nostalgia legal engine (NOSTALGIA RULES WILL APPLY] EXCEPTIONS NO WEIGHT RULE and NO SCALING ALLOWED
[CLASSIC POWER] C.I.A. 1999 RULES

CD: Gib Robbins 1507 Patterson St Anderson Ind. 46012 (765) 644 2046
Alternate CD: Merideth Chamberlain 5810 S. Madison Av. (765) 643 1885

C.I.A. ANNUAL HI-POINT AWARD SYSTEM

The C.I.A. shall provide an Annual Overall Hi-Point Award to the deserving Open and Jr./Sr. member at the Annual Banquet each year as well as awards in six categories of free flight competition. These categories are; Power, Non-Gas, O.T. Gas, O.T. Non-Gas, Nostalgia Gas, and Indoor. These awards are to be presented to the members who accumulate the most points based on the following point system:

A. Fifty (50) points shall be given for each National Record confirmed by the AMA. (Points to be applied to the Overall Hi-Point Awards only.)

B. Points shall be given for performance in individual events at contests per the following:

AA, C, or AAA Sanctions	AAAA or AAAAA Sanctions
*Sanctioned Area Contests	*Official AMA/NFFS Events at: U.S. Indoor Champs U.S. Outdoor Champs AMA FF NATS (Indoor & Outdoor) SAM Champs
*Unofficial AMA/NFFS/SAM Events at: U.S. Indoor Champs U.S. Outdoor Champs AMA FF NATS (Indoor & Outdoor) SAM Champs	*FAI Finals
* Area FAI Semi-Finals	*World Champs = Points x 2.5 (i.e., 100 x 2.5 = 250 points)
Generally "Official Events" are basic rule book events	
1st Place - 50 Points	1st Place - 100 Points
2nd Place - 30 Points	2nd Place - 60 Points
3rd Place - 20 Points	3rd Place - 40 Points

C. Point Claims:

1. The Secretary/Treasurer shall make available to all members ample C.I.A. Club Point Claim Sheets on which he may claim appropriate points.

2. C.I.A. Club Point Claim Sheets are to be completed as to; Date, Contest Name, Contest Location, Contest Class, Event, Model Design, Place, and Points claimed.

3. All Claim Sheets shall be returned to the Secretary/Treasurer by December 31 of each year and any claims received after this date shall be declared null and void. (All points accrued after December 31 shall be valid for the ensuing year.)

D. Eligibility:

1. Award eligibility shall require points accumulated from a minimum of (4) AA, C, or larger sanctioned free flight contests at WPAFB-Dayton, OH, Lawrenceville, IL; Sturgis, MI; or the AMA Muncie site. Points accrued from any other contests are invalid for these purposes unless the contest is officially designated as USIC, USOC, AMA FF NATS, FAI Semi-Finals, FAI Team Selection Finals, SAM Champs, NFFS Nos Gas National Champs, or the FAI World Champs.

CIA Club Point Claim Sheet - (See CIA Rule Book for details)

_____ Pg ___

Member_____ Open____ or Jr/Sr____ (under 19 by 7/1)

Date	Contest	Location	Class	Events	Model Design	Place	Points

The **INFORMER**

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