CENTRAL INDIANA AEROMODELLERS

CIA INFORMER

FREE FLIGHT NEWS OF THE MIDWEST

** The Weather **
Snowdrifts face North?
Spring will arrive early!

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Issue #1/03 | January/February | Price $7.50/yr.

CIA Annual Banquet – Jan 18, 2003. - by MJW

Yet again, this year's banquet moved to a new location – the *Cardinal Restaurant* in Muncie, IN. A great choice! Plenty of room to roam about and jaw, plus plenty of space to set up show n'tells.

There were many neat displays to awe the crowd (about 60). And for whatever reason, we had our 1st real 'banquet snow' in years – and it was centered only in the Muncie area! The snow started during happy hour and quit just about the time the festivities were over, leaving a couple more inches for us to slip and slide around in!

For the first time in quite a while, the outgoing president did the emcee duties, with agent **Lee Campbell** doing a great job of keeping the program moving along. And many thanks to Denise Sullivan for her efforts in putting together the neat gift packets that were given out to the ladies in attendance!

Lee's opening remarks included a tribute to Agents lost in '02: **Ted Dock**, **Steve Frazier** and **Roger Lane**. All were sadly missed and fondly remembered throughout last season. For this season, tho, you'll find a new addition to the contest schedule: the *Ted Dock Memorial Meet.* Most appropriately, it's an FAC contest – CIA's first ever! And 'engine freak' Steve-o will be remembered with the *Steve Frazier Howlin' Engines Trophy* to be awarded for high time in 1/2A Gas, at the fall CIA Annual. In addition, both **Dick Covalt** and **Bruce Barnett** had to say goodbye to their fathers…..

Lee then made mention of the all-important, twice-a-month CIA meetings where new and old rules were discussed, much tech info was exchanged and contests were set up. And **George Emmelman** continued to divulge jokes & stories that we'll not soon forget!!

(cont'd, p.4)



Check this out!!! Tom Higgs (410-778-3933) would like us to know that he & Lydia are planning a buffet supper for the modelers & families on Saturday evening, after the flying ends. Beer, wine, soda & mixers will be provided. B.Y.O.B. Let them know by April 15th if you plan to attend. See the **Eastern US Free Flight Championship's** flyer near the back of this issue for the 'rest of the story'.....

And since we're on the subject of food, Phil Sullivan is again having a cookout at his place during the June 16 CIA meeting. Y'all come!!

Lonnie Kinder recently assumed the CIA President's role, sternly proclaiming *"I Am In Charge!"*. (Where have we heard that one before?) His first official duty was to demand a list of Show 'n Tell guinea pigs! They are:

- Mar 17 Phil Sullivan
- Apr 7 Gib Robbins
- Apr 21 Moe Whittemore
- May 5 Bob Abernathy
- May 19 Guy Scott

I'm not good at doing obituaries. And it seems that the need for doing them is coming with greater frequency as our group 'ages out'. Since the last issue we've lost **Marty Hallgarth** on February 26th, after a long battle with cancer. Agent **Keith Hoover** died unexpectedly on January 16th (his new *Power Book* was nearly ready for publication). And the *"Great Speckled Bird(man)"* **George Perryman** is gone! I'll miss seeing this southern gentleman chase his models in the old Cadillac! Ex-agent and friend **Jim Pulley** left us in February. Jim's the guy that answered my questions and offered supplies when I was getting back into free flight, in the late 70s. He also introduced me to the CIA, taking me to some meetings early in the game. Jim was also one of the founders of the IFFF/IMAC club. He specialized in Indoor and small-field Outdoor FF.

Everybody who knew these special people will miss them - for a long time to come.....

I tho't our readers might be interested in this tidbit about our artists **Beth & Joe Krush**. It comes from Agent & MM editor **Jack O'Leary**:

"Beth Krush, as I live & breathe (as my sainted mother used to say)! Well, there's more to this story. As you know, Joe Krush did an occasional cover for INAV, when the St. Louie lads published the rag. Splendid drawings!"

"One of our club members, Bob Oppegard passed away about two years ago. Bob designed and sold the rubber stripper, as you probably know. In Bob's honor, our club had a perpetual trophy made which was to given to the high time winner in Pennyplane each year at the Johnson City Nats ."

"I did the trophy design work and contacted Joe Krush - who did a gorgeous line drawing of a flyer launching a Pennyplane which was etched into a thick plexiglass slab. A somewhat reluctant Steve Kaluf took on the responsibility to get the trophy down to J.City each year. But, in the move in Muncie from the old Ad bldg. to the new headquarters *our trophy disappeared!* It was to be first awarded in the year 2000. The best laid plans of man & mouse gang aft aglae, or something like that. Anyho, this experience gave me the opportunity to visit with Joe Krush (in his 80s, I believe) and both he and his bride were still teaching community ed. art classes. Remarkable!" - Jack

...And here's a neat item from Agent **Norm Poti**....
"Fellow Modelers,

The New Year Holiday is a time for reflecting on the past and looking forward to the future. The past decade has seen tremendous advances in Free-Flight. The specialized FAI events have brought us: FIA zoom bunt ~~electronic timers, FIB delayed variable pitch props, and~~ FIC geared motors. Carbon fiber and taco shell technology has migrated from FAI venues into the AMA classes. A power model without bunt is considered a thing of the past. Some individuals revere FAI flyers as they push new technology limits, while others relish the bygone days of stick and tissue models. We dedicate many hours to our beloved events trying to keep up with the latest technology trend or panic, and often fail to explore modeling outside our free flight universe."

"However, many engineers and scientists are pushing the limits of modeling technology in fascinating areas. Their efforts humble the most advanced free flight technology. Large scale models with 100 ft wingspans, weighing 25,000 lbs are being used for long term aerial surveillance. Battery powered, GPS guided micro models, with 6 inch wingspans, are being developed to traverse inside building, delivering numbing agents to the enemy. Most research in this area is sponsored by various government agencies and is not widely publicized for obvious reasons. However; sometimes the public is given a glimpse into intriguing applications for models *(see attached NASA slide on facing page)*."
"I wonder if Carl Goldberg, when reflecting upon his first *Sailplane* flight, could have ever envisioned what is being accomplished today by the model airplane."

LANGLEY RESEARCH CENTER - SUAVELab TEAM

INTEGRATION AND SYNERGY

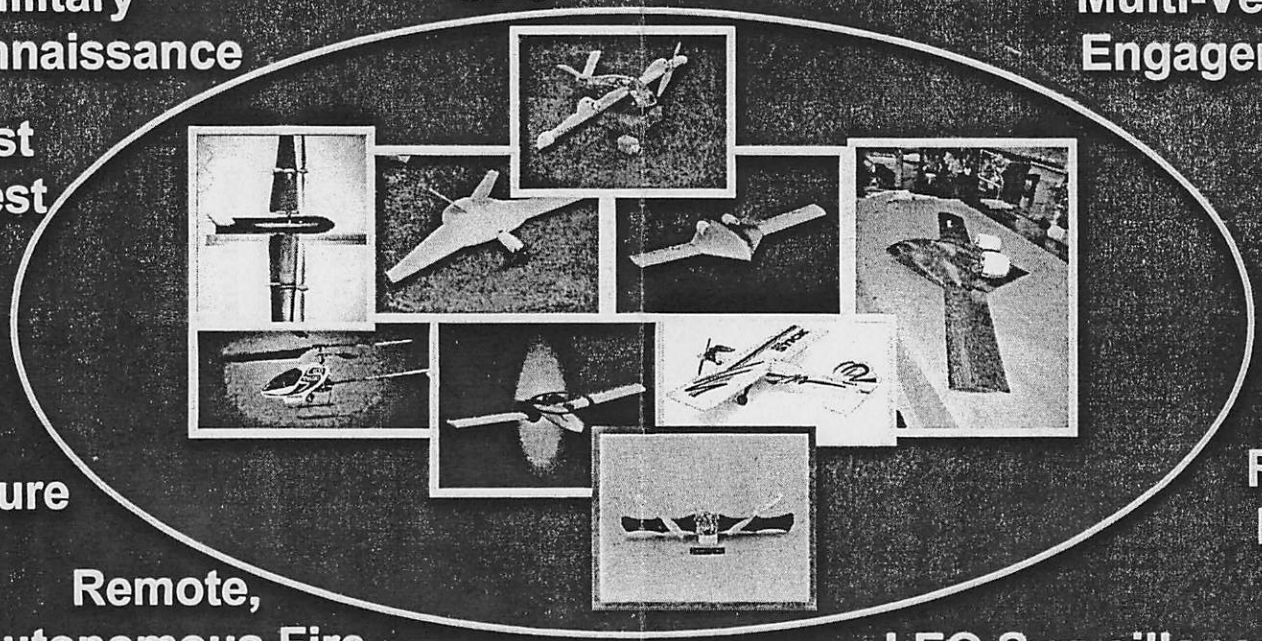
Sensor Delivery/Special OPS

Soldier Enhancement

Military Reconnaissance

Multi-Vehicle Engagement

Low Cost Flight Test



Precision Sabotage

News

Search. Rescue, and Firefighting

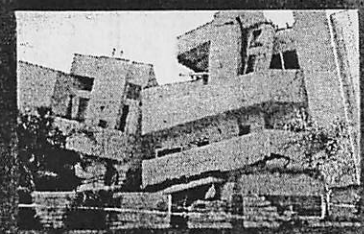
Agriculture

Remote, Autonomous Fire Detection

LEO Surveillance

Small Payload Delivery





SMALL UAV APPLICATION MATRIX

(CIA Banquet, cont'd.....)

Among Agents' accomplishments last season were **Jim Richmond**'s winning of the F1D World Championships – *again*; **Jack Marsh**'s setting a national record in 1/2A Classic Power; and **Gil Morris** making the US F1C team – *again*! On the *National Cup* scene, we had **Bob Mattes**, **Gene Wicks** and **Jack Marsh** finishing 2nd, 3rd and 4th respectively in NosGas: Dick Covalt was 4th in AMA Power: Jack Marsh finished 2nd in Classic Power: **Dave Sechrist** was 4th and **Joe Williams** 5th in AMA Rubber: **O.C. Stewart** finished 3rd and Joe Williams 4th in Nostalgia Rubber. In addition, **Adam Marsh** won the *Jr. National Cup* – hard to do, as there's usually a small number of competitors which keeps the total point tally small.

The *CIA Category Hi-Point Awards* were as follows:

- Old-Timer Non-Gas — O.C. Stewart
- Old-Timer Gas — Elmer Jordan
- CIA Power — Jack Marsh
- AMA Rubber — Joe Williams
- NosGas — Bob Mattes
- Glider — Tom Jones
- Hi-Point, Jr/Sr — Adam Marsh
- Hi-Point, Open — Jack Marsh

Next, Phil Sullivan presided over the Special Awards giveaways. Jim Richmond earned the *CIA Merit Award* for his F1D World Champs win, and George Emmelman garnered the '02 *CIA Service Award* for his participation in virtually all of our club functions (meetings included!) over the past few years – despite having to haul along an oxygen bottle!

The 'Mother Of All Awards' – the *Crash & Burn trophy* – was won by Bill Hutchins, in absentia. Out in Las Vegas last summer, Bill meticulously prepped his big Satellite 1000. Test runs on the ground found everything operating flawlessly. When launched, the big ship howled skyward behind it's Rossi .61. Then something went wrong! It then howled straight downward, shedding it's extremities as it crunched it's way thru a 50' tree! What he brought back to the flight line looked like a ball bat! And Agents that were present witnessed the whole thing. We have eyes everywhere.....

Incoming president **Lonnie Kinder** then addressed the group, finishing up with these words of wisdom – *"Buy a kid a model plane. And show 'em what to do with it!"*. The banquet then was officially adjourned with – what else? - a George Emmelman joke!! - MJW



Agent **Dave Thomson** furnished the following article about an F1B front-end technique recently used by the Swiss team. Sketches of the hardware used are on the facing page.....

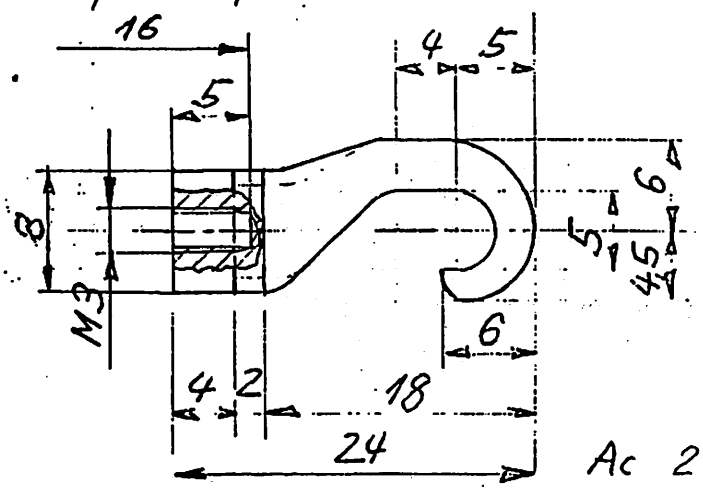
"Walter Eggimann of the Swiss F1B team was kind enough to provide a copy of the 'propellorkopf' (propellor head) winding hook & spool."

"Spool is used at both ends of the motor and secured in the winding tube with pins (or nails). The rear end of the winding tube is fitted with a slot to fit 5.5mm hub/bobbin. The 3.7mm bore is used with a 3.7mm tube to fix the spool at the rear of the motor tube."

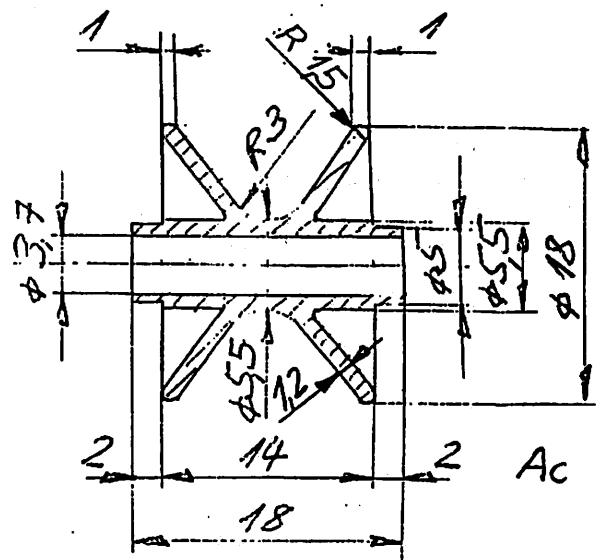
"I saw Dieter Siebenmann break a motor, remove it, install a new motor and return to winding in less than 30 seconds! This arrangement can easily be used to wind *outside* the model. Some flyers are now winding in a channel outside the model. Furthermore, channel winding eliminates the winder extension rod."

Dave also advises that Radio Shack is now selling a battery operated bubble machine. It's part # is **42-3081**. Requires 2 AA batteries.

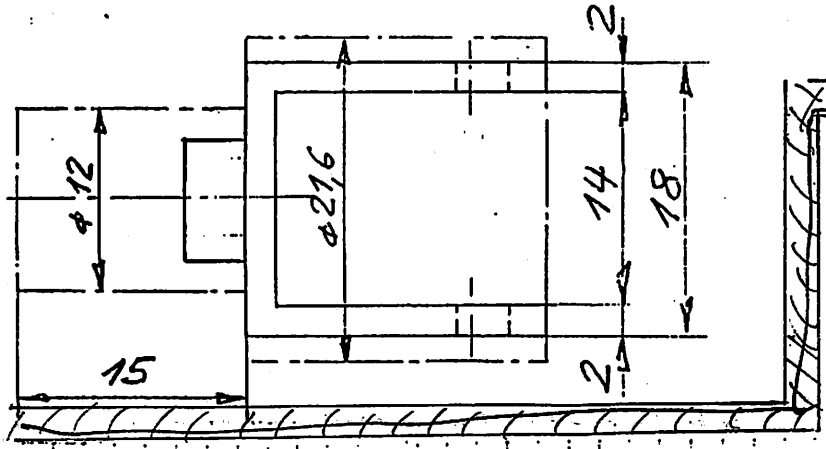
Propellerkopf 3



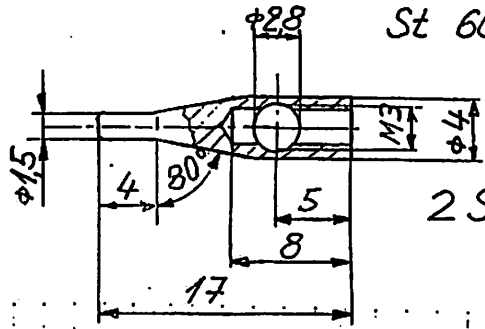
Ac 2:1



Ac 2:1



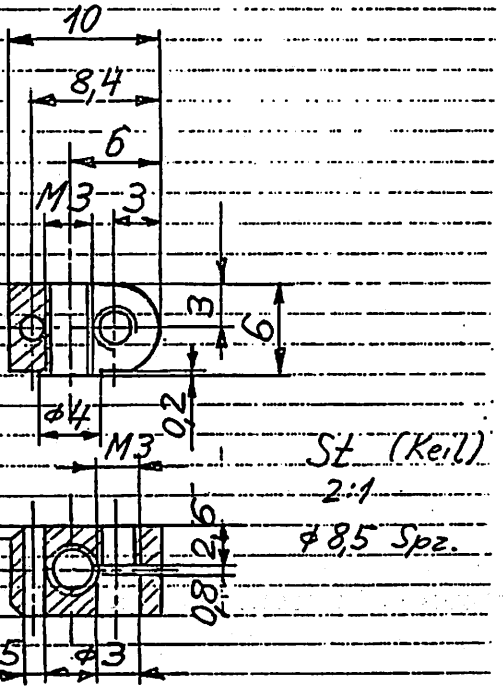
St 60 2:1



2 Stk.

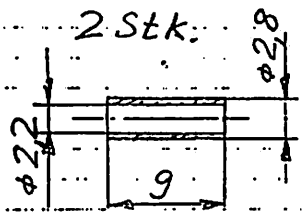
Bz 2:1

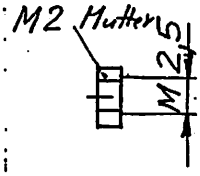
2 Stk.



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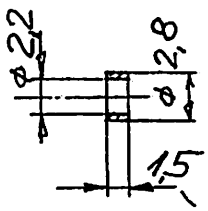
ø8,5 Spz.

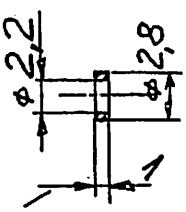




St 2Stk.

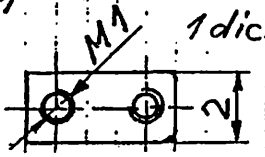
SW



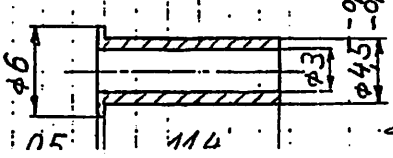


Ac 2 Stk

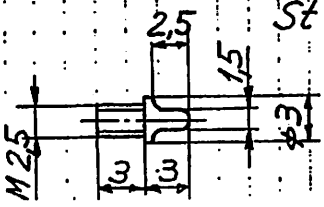
Ac 4:1



Ac 2:1



St 60 2:1



2 Stk.

Tower Hobbies Mini-Tach Replacement Batteries by Dick Covalt



If you are still using the older Tower Hobbies tachometer, shown above that initially specified using (4) SR44 button cell batteries, it probably irks you to have to pay $12 for a replacement set of batteries. The SR44 button cell is a silver dioxide type and goes for $2.99 each at Radio Shack, although there are lower cost sources. The alkaline equivalent which goes by such numbers as 357A, A76, CR44, LR44, etc., sell for $1.99 each at Radio Shack with other sources that are dramatically less costly.

The SR44 and LR44 are very common batteries used in cameras with the LR44 now being made by independent manufacturers in low cost Asian countries resulting in prices of less than twenty cents each when purchased in quantities of 50.

The Tower Mini-Tach has a current drain of approximately 8 milliamps. The SR44 silver dioxide battery has a capacity of 160 milliamp-hours giving an operating life of 20 hours. Name brand LR44 alkaline batteries typically have a capacity of 105 milliamp-hours giving an operating life of about 13 hours. So if you use the tach first thing in the morning at a contest, and forget to turn it off, the batteries will be dead by the next day in either case. This is when the question quickly comes to mind, will these low cost alkaline batteries give satisfactory performance and be much less costly?

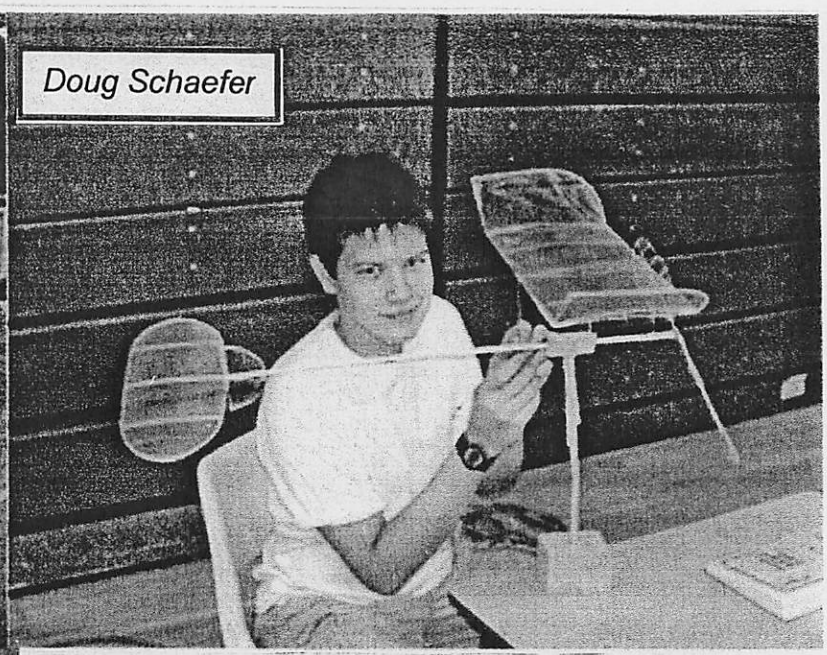
Alkaline batteries have essentially the same voltage output as silver dioxide, but the discharge curve is not as "flat". This means the voltage decrease is greater as the battery is discharged. This could possibly have an adverse effect on the accuracy of the tach or cause it to quit prematurely without utilizing the entire battery capacity. So, after having left our Tower Mini-Tach turned on over night, discharging the expensive silver dioxide batteries we decided to check the effect of voltage on the tach operation.

To make a long story short this tachometer operates from 6.2 volts (4 SR44s = 6.2 volts new & 4 LR44s = 6.0 volts new) down to 3.5 volts or less with absolutely no measurable variation in the RPM accuracy or display readability. Somewhere between 3 and 3.5 volts the display will blank-out indicating the batteries are shot.

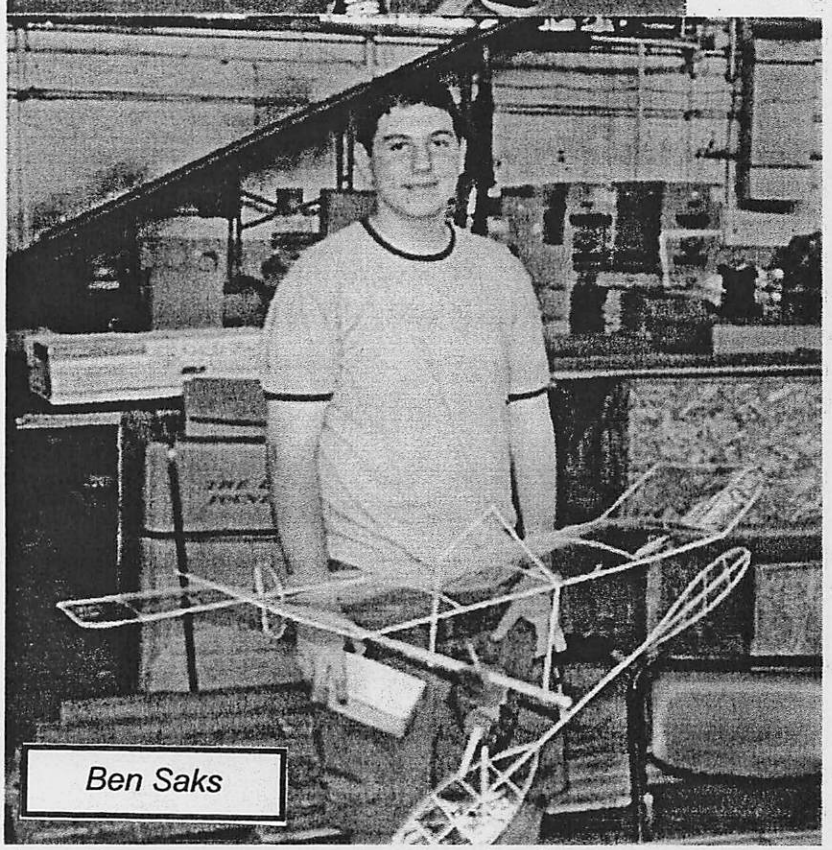
Conclusion: Use the cheapest alkaline equivalent of the SR44 you can find and expect the tach to perform just as well as with the silver oxide type. We found one notation that the amp-hour capacity of the low-cost Asian LR44 is only about 80 milliamp-hours, yielding an operating life of 10 hours. Never-the-less, still a great bargain for less than a dollar for 4 batteries. Type "LR44 battery" into the ebay search engine and you will find the low cost Asian sources.



Mathew Chalker



Doug Schaefer



Ben Saks

The Future of Indoor FF.... The following article excerpts Agent **Joe Mekina**'s correspondence with a writer for the *Dayton* (OH) *Daily News*. The article described the progress and success of 3 Junior/Senior Indoorsmen from Ohio. (The ultimate outcome of their efforts were covered in the #5/02 issue of the Informer.) The Junior F1D was an Ohio sweep. The participants were Doug Schaefer, Ben Saks and Mathew Chalker.

"All three of these boys had roots in school-sponsored *Science Olympiad* competitions, where they began by flying less delicate planes in the "Wright Stuff" event. (The models weigh a minimum of 10g, with a maximum 2g of rubber.) Flight times with these models often were only in the 2-3 minute range. As they progressed and began building F1D models which weigh 1.2g and fly with a maximum of 0.6g of rubber, their respective flight times increased to the 30 minute level! What excitement these kids must've experienced seeing their hand-made creations fly for over a half-hour with a simple rubber band for power!"

"One thing's for certain. They're not afraid to learn the techniques needed to build these micro-light flying machines! They've incorporated many of their own technological features in these models that have contributed to their competition successes. These are sharp kids that have applied themselves doing what needed to be done to excel in this event."

"One of the reasons that our Ohio kids have fared so well in national competition is that there are two groups – one in the Dayton area, the other in Cleveland – that have provided the opportunity *(flying sites! – ed.)* for these kids to fly, and have mentored them from the beginning. I feel any publicity that you give them will also go a long way in making modeling a memorable experience for all the kids involved!" - *JoeMekina/mjw*

National Cup Contest List 2003 - Release 1

Updated 1/11/03

Reconfirm dates and events before travel with CD. Report changes to: Bob Mattes 636-447-9580, rmattes@wans.net Be especially careful relying on any info shaded yellow.

Status Column - Scheduled indicates contest has been coordinated to some degree with National Cup. Caryovers from 2002 are noted and may change

Red Contest Name or * Indicates Junior Events

ID #	Start Date	End Date	Contest	Status	Sponsor	Site	National Cup Events Offered at Contest - Confirm Events Before Travel with CD																												
							Sr/Open																								Junior					
							Nos Power						AMA Power					Classic Power		AMA Rubber			Nos Rubber			Glider									
							1/4 A	1/2 A	A	B	C	E1/2 A	1/2 A (101)	A (102)	B (103)	C (104)	D (105)	1/2 A	A/B	P-30 (124)	Mod (123)	Mini (120)	Rub	Wak	RubWak	OHLG (140)	CLG (142)	1/2 A (101)	P-30 (124)	OHLG (140)	CLG (142)	1/2A Classic
1	1/18/03	1/19/03	SW Regional	Scheduled	SWRMA, Inc.	Eloy		X	X	X	X		X	X	X	X	X			X		X				X	X							
2	2/8/03	2/9/03	Misery Meet*	Scheduled	STRAT-O-BATS	Harts Lake		X										X		X	X	X			X	X	X							
3	2/16/03	2/16/03	Presidents Cup*	Scheduled	PMAC / TMAC	Eloy	X	X	X				X			X	X			X			X			X	X	X	X	X	X	X	X	X	X
4	3/1/03	3/2/03	Spring Opener*	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
5	3/2/03	3/2/03	Stockton GMA Meet	2002 Caryover	SGMA	Waegell							X							X		X				X	X								
6	3/8/03	3/9/03	SCAT Annual	Scheduled	SCAT	Lost Hills																				X	X				X	X			
7	3/23/03	3/23/03	Spring Break*	Scheduled	PMAC / TMAC	Eloy		X		X	X		X	X	X			X	X	X					X		X	X	X			X	X		
8	4/6/03	4/6/03	Sierra Champs*	Scheduled	SE/SGMA/OCD	Waegell		X	X				X			X				X	X	X					X	X				X			
9	4/12/03	4/13/03	April Fool's Contest*	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
10	4/12/03	4/13/03	San Valcors Annual*	Scheduled	San Valcors	Lost Hills		X					X	X	X	X	X			X						X	X			X	X	X			
11	4/26/03	4/27/03	Eastern US FF Champs*	2002 Caryover	East USFF Conf	Ingleside, MD (Higgs Farm)		X					X	X	X	X				X	X						X	X	X	X	X	X			
12	4/26/03	4/27/03	I-10 Challenge*	Scheduled	PMAC / TMAC	Eloy	X	X	X	X	X		X	X	X	X	X			X		X	X	X		X	X	X	X	X	X	X	X	X	X
13	5/3/03	5/4/03	NCFF Champs* (Exempt)	Scheduled	Oakland Cloud Dusters	Wagcell	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
14	5/3/03	5/4/03	NEWG Contest	2002 Caryover	NEWG	Charlestown, NH														X							X								
15	5/3/03	5/4/03	Semi-Annual Meet*	2002 Caryover	San Diego Orbiters	Otay Mesa			X	X	X	X	X							X							X			X					
16	5/10/03	5/11/03	RAGG Meet	2002 Caryover	STRAT-O-BATS	Harts Lake			X	X	X	X		X	X	X	X		X	X		X	X	X		X	X	X							
17	5/17/03	5/18/03	FFAMS Contest*	Scheduled	FFAMS	Muncie			X	X				X	X					X		X					X	X	X	X	X	X	X		
18	5/17/03	5/18/03	Heart of Dixie*	2002 Caryover	MAC Huntsville	Pensacola	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
19	5/17/03	5/18/03	Skyscrapers Challenge*	2002 Caryover	Skyscrapers	Wawayanda, NY		X	X	X	X		X	X	X	X		X	X	X	X					X	X	X	X	X	X	X			
20	5/17/03	5/18/03	Spring Contest	2002 Caryover	Brainbusters	Dinwiddie	X	X	X	X	X	X						X	X	X	X		X				X	X							
21	5/18/03	5/18/03	Gone West Meet	2002 Caryover	Minneapolis MAC	N Branch, MN	X	X					X	X						X	X	X						X							
22	5/18/03	5/18/03	Hot Stuff*	Scheduled	PMAC / TMAC	Eloy		X		X	X		X	X	X					X		X				X		X	X	X		X	X		
23	5/24/03	5/25/03	Black Sheep Champs*	Scheduled	Black Sheep	Taft	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
24	5/24/03	5/25/03	Rimert Rebel Rally*	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
25	5/31/03	6/1/03	Annual FF Contest	2002 Caryover	Tri-City FF Team	Seguin		X	X				X	X					X	X	X						X								
26	5/31/03	6/1/03	OT-Nostalgia FF Champs*	Scheduled	CIA	Muncie	X	X	X	X	X	X						X	X																X
27	5/31/03	6/1/03	Spring Meet/Mini FAI	2002 Caryover	Minneapolis MAC	N Branch, MN	X						X	X	X			X	X	X	X	X	X				X								
28	6/2/03	6/3/03	CIA National Cup Challenge*	Scheduled	CIA	Muncie							X	X	X	X	X				X	X	X	X	X		X	X	X	X	X	X	X		
29	6/6/03	6/8/03	Western State Champs*	Scheduled	SE/SGMA/OCD	Wagcell		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X		
30	6/14/03	6/15/03	Fiesta of 5 Flags*	2002 Caryover	Pensacola FF Team	Pensacola		X	X	X	X		X	X	X	X		X	X	X	X	X	X				X	X	X	X	X				
31	6/14/03	6/15/03	Heart of America Annual*	2002 Caryover	Heart of Amer FF Assoc	KC Speedway	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
32	6/21/03	6/22/03	Annual Inter-City Meet*	Scheduled	Detroit Balsa Bugs	Muncie		X					X							X	X	X		X			X	X	X	X	X	X			
33	6/21/03	6/22/03	NEWG 2003*	2002 Caryover	NEWG	Falmouth, MA	X													X							X		X		X				
34	6/28/03	6/29/03	Regional FF Champs*	2002 Caryover	Texas Cld Climbers	Grandview, TX		X	X				X	X	X			X	X	X		X					X	X				X	X		
35	7/5/03	7/6/03	Dixie Nationals*	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
36	7/6/03	7/6/03	IMAC Annual FF	2002 Caryover	IMAC	Bong Field							X	X						X	X	X						X							
37	7/13/03	7/13/03	Summer Meet	2002 Caryover	Minneapolis MAC	N Branch, MN		X					X	X						X	X	X						X							
38	7/20/03	7/20/03	SAM-7 Summer OT FF Rally	Scheduled	SAM 7	Rocky Hills, CT														X							X	X		X	X	X			
39	7/28/03	8/1/03	NATS / USOC* (Exempt)	Scheduled	AMA / NFFS	Muncie	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
40	8/8/03	8/10/03	Summer FF Contest*	Scheduled	NOFFA	Muncie		X	X	X	X		X	X		X		X	X	X	X	X	X			X	X	X	X	X	X	X			
41	8/10/03	8/10/03	Almost Silent Contest	2002 Caryover	Minneapolis MAC	N Branch, MN	X	X												X	X	X	X				X								
42	8/10/03	8/10/03	Annual Outdoor FF*	2002 Caryover	Bong Eagles	Bong Field							X							X		X					X	X		X	X				
43	8/10/03	8/10/03	NEWG Contest*	2002 Caryover	NEWG	Falmouth, MA						X	X							X							X	X							
44	8/15/03	8/17/03	Empire State Champs*	2002 Caryover	WNYFFS	Geneseo, NY		X	X			X						X	X	X	X	X	X		X				X		X				
45	8/16/03	8/17/03	Northwest FF Champs*	2002 Caryover	Willamette MAC	Tangent, OR		X	X			X	X	X						X		X				X	X		X	X					
46	8/16/03	8/17/03	Rocky Mt Champs*	2002 Caryover	MMM	Denver							X	X	X	X	X	X	X	X		X				X	X		X	X	X				
47	8/16/03	8/17/03	SAM 7 East Coast Champs*	Scheduled	SAM 7	Rocky Hills, CT														X						X	X		X	X	X				
48	8/17/03	8/17/03	Silent Contest*	2002 Caryover	Bong Eagles	Bong Field														X		X						X		X		X			
49	8/23/03	8/24/03	Fall OT & MidWest Champs*	Scheduled	Chicago Acronuts	Muncie			X	X	X			X		X		X		X	X	X		X			X	X	X	X		X			
50	8/25/03	8/30/03	SAM Champs*	Scheduled	SAM	Claremore, OK	X	X	X	X	X	X											X	X												X
51	8/30/03	8/31/03	Annual FF Meet*	Scheduled	Central Ohio FFC	Muncie	X	X	X	X			X	X	X			X	X	X	X	X	X	X	X		X	X	X	X	X	X			
52	8/30/03	8/31/03	Bi-Club Annual*	Scheduled	SDO/FGMC/SCAMPS	Lost Hills	X	X	X	X	X	X	X	X	X	X	X			X		X					X	X	X	X	X	X			
53	8/30/03	8/31/03	Florida State Champs*	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
54	9/6/03	9/7/03	Fall Meet (Exempt)	2002 Caryover	Minneapolis MAC	N Branch, MN							X	X				X	X	X	X	X	X					X							
55	9/13/03	9/14/03	Silents Please-OT Champs*	2002 Caryover	Willamette MAC	Tangent, OR			X	X			X								X		X			X	X	X		X	X				
56	9/13/03	9/14/03	Tulsa Glue Dobbers Champs	2002 Caryover	Tulsa Glue Dobbers	Perry, OK								X					X	X	X	X		X				X	X						
57	9/14/03	9/14/03	NEWG Contest*	2002 Caryover	NEWG	Falmouth, MA															X							X	X		X	X			
58	9/14/03	9/14/03	Stockton OT Combo*	Scheduled	Stockton Gas MA	Wagcell			X	X	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
59	9/19/03	9/21/03	Annual FF Champs*	Scheduled	CIA	Muncie	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
60	9/20/03	9/21/03	Brainbusters Fall Annual*	2002 Caryover	Brainbusters	Dinwiddie												X	X	X	X		X				X	X							
61	9/21/03	9/21/03	Fall Kick-Off*	Scheduled	Tucson FF Club	Eloy			X		X	X		X	X	X					X		X		X				X	X	X		X	X	
62	9/27/03	9/28/03	District 5 Champs*	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
63	9/27/03	9/28/03	US FF Champs*	Scheduled	CUFFMAC	Lost Hills	X	X	X	X	X		X	X	X	X	X				X		X				X	X		X	X	X				
64	10/4/03	10/5/03	Fall Ann Recycle Trophy*	2002 Caryover	Willamette MAC	Tangent, OR	X	X	X		X	X	X							X	X	X					X	X		X	X				
65	10/4/03	10/5/03	Mid America FF Champs	2002 Caryover	Tri-County Aero C	Lawrenceville, IL		X	X	X	X		X	X	X	X				X	X	X					X	X							
66	10/11/03	10/12/03	Autumn Thrash*	2002 Caryover	STRAT-O-BATS	Harts Lake		X	X	X	X		X	X	X	X	X	X	X	X	X	X					X	X		X	X	X	X	X	X	X
67	10/11/03	10/12/03	Gathering of the Turkeys*	2002 Caryover	Pensacola FF Team	Pensacola	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	X	X	X
68	10/12/03	10/12/03	CIA FAC Contest	Scheduled	CIA	Muncie																					X	X		X						
69	10/12/03	10/12/03	NEWG Contest*	2002 Caryover	NEWG	Charlestown, NH														X								X		X						
70	10/12/03	10/12/03	Octoberflug	2002 Caryover	Minneapolis MAC	N Branch, MN	X	X					X	X	X					X	X	X	X				X									
71	10/18/03	10/19/03	Nostalgia Annual	Scheduled	San Valcors	Taft	X	X	X	X	X	X														X										
72	10/18/03	10/19/03	Skyscrapers Annual*	2002 Caryover	Skyscrapers	Wawayanda,NY							X	X	X	X				X							X	X								
73	10/19/03	10/19/03	Ghost Riders*	Scheduled	PMAC/TFFC	Eloy	X	X	X			X	X			X	X			X	X		X					X	X	X			X	X		
74	10/19/03	10/19/03	NEWG Contest*	2002 Caryover	NEWG	Falmouth, MA														X							X	X		X	X				
75	10/25/03	10/26/03	George Jamieson Memorial*	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
76	11/2/03	11/2/03	Fall Contest	2002 Caryover	SGMA	Wagcel							X	X	X	X	X			X	X	X					X	X		X		X			
77	11/23/03	11/23/03	Turkey Shoot*	Scheduled	Tucson FF Club	Eloy		X	X	X	X		X	X	X					X						X	X	X	X	X	X	X	X		
78	11/29/03	11/30/03	Arizona FF Champs*	2002 Caryover	PMAC/TFFC	Eloy	X	X	X	X	X		X	X	X	X	X			X		X	X	X			X	X	X	X	X	X	X	X		
79	12/29/03	12/31/03	King Orange Inter.* (Exempt)	Scheduled	FMA	Palm Bay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			

2003 FREE FLIGHT SCHEDULE

April 4, 5, 6	*Toledo Trade Show*	Toledo, Ohio
May 3, 4	*Eastern FF Championships* (Joe Wagner, jwagnerF1C@aol.com)	Higgs Farm, MD
May 17, 18	*FFMAS Contest* (O.C. Stewart, 765-288-0071)	AMA Site
May 17, 18	?Skyscraper International Challenge	Wawayanda, NY
May 28-June 1	*USIC Indoor National Championships*	Johnson City, TN
May 31-June 1	*CIA OT/Nostalgia FF Contest* (Gilbert Robbins, 765-644-2046)	AMA Site
June 2, 3	*CIA National Cup Challenge* (Robert Mattes, rmattes@mail.win.org)	AMA Site
June 6, 7, 8	*AMA Grand Event*	AMA Site
June 14, 15	Michigan Antique Modelers Contest (FF and RC) Bob Pattison	Sturgis, MI
June 14, 15	?Kansas City FF Contest	Kansas City, KS
June 21, 22	*Inter-City FAI/Nos/AMA Contest*	AMA Site
July 6	IMAC Annual	Bong, WI
July 13	Pelican Old Timer	Bong, WI
July 20	Aeronuts Old Timer	Bong, WI
July 28 – Aug. 1	*USOC/AMA National Championships*	AMA Site
Aug. 10	Bong Eagles Annual	Bong, WI
Aug. 9, 10	*NOFFA Contest* (Charles Jones, charlesj@us.ibm.com)	AMA Site
Aug. 15, 16, 17	?Empire State FF Championship (John Carls, 814-362-7789)	Geneseo, NY
Aug. 17	Bong Eagles Silent	Bong, WI
Aug. 23, 24	*Aeronuts Midwestern States FF Championship*	AMA Site
August 25-29	*SAM CHAMPS*	Claremore, OK
Aug. 30, 31	*COFFC Contest*	AMA Site
Sept. 6, 7, 8	*Flying Aces Midwest Nats*	AMA Site
Sept. 19, 20, 21	*CIA Regional FF Championships* (Phil Sullivan, ciasilk@aol.com)	AMA Site
October 4, 5	*Tri County Aero Contest*	Lawrenceville, IL
October 11, 12	*CIA FAC Contest* (Lee Campbell, 765-289-7753)	AMA Site
Dec. 29, 30, 31	*King Orange International*	Palm Bay, FL

Italicized and underlined dates have been officially approved.

Rev. 1-19-03

EASTERN U.S. FREE FLIGHT CHAMPIONSHIP EVENTS

Saturday — May 3rd — 9:00 A.M. to 6:00 P.M.

1/2A FF GAS – Cat. III, 7 sec. eng., 2 min. max (SR/OPEN).....Awards to 3rd
1/2A FF GAS – Cat. III, 7 sec. eng., 2 min. max (JR).....Awards to 3rd
FAI POWER – F1C, 7 flts, 5 sec. eng., 3 min. max (JR/SR/OPEN).....Awards to 3rd
WAKEFIELD – F1B, 7 flts, 3 min. max (JR/SR/OPEN).....Awards to 3rd
ABC NOSTALGIA GAS COMBINED – 9 sec. eng., 2 min. max, hand launch,
Rules as published in NFFS (JR/SR/OPEN).....Awards to 3rd
A-1 TOWLINE – F1H, 5 flts, 2 min. max, 220 gms. (JR/SR/OPEN).....Awards to 3rd
PEEWEE 30 – (JR/SR/OPEN).....Awards to 3rd
CAT. GLIDER – hand held, 9" loop, 1/4"rubber, max 1-1/2oz. 6 flts (JR)..Awds to 3rd
CAT. GLIDER – hand held, 9" loop, same as above (SR/OPEN).....Awards to 3rd
B FF GAS –Cat III, 7 sec. eng., 2 min. max (JR/SR/OPEN.....Awards to 3rd
PAYLOAD GAS – (JR/SR/OPEN) .....Awards to 3rd
MULVIHILL – (JR/SR/OPEN).....Awards to 3rd
FAC EVENTS for SAT -
Mass Launch WWI, WWII, RACERS, WW II NOCAL FIGHTERS (6" Plastic Prop)
Timed and Judged FAC RUBBER SCALE, JIMMY ALLEN...18 trophies..Awds to 3rd

F1A,B,C, 1 hr rds starting at 9:00 AM Saturday and 8:00 AM Sunday - 7 rds
3:00-3:30 for flyoffs if needed. If weather dictates we will overlap 1-1/2 hr. rds.
CHECK ROUND TIMES AND REQUIRED MAXES POSTED AT CD'S TABLE!
All FAI events flown from a flightline in rounds per America's Cup rules

DAKOTA SPECIAL EVENT - can be flown either Saturday OR Sunday
DAKOTA Target Time - 30 sec min. flight time, 3 flts.....Awards to 3rd
Model must meet original design specifications.

Sunday — May 4th — 8:00 A.M. to 4:00 P.M.

DAWN UNLIMITED – 7 A.M./ONE FLIGHT NO TIME LIMIT
Special Joe Farrell Perpetual Trophy for 1st (JR/SR/OPEN).....Awards to 3rd
COUPE d'HIVER – F1G, 5 flts, 2 min. max (JR/SR/OPEN)..... Awards to 3rd
SMALL FAI POWER – F1J – 7 sec. eng., 2 min. max., 5 flts.....Awards to 3rd
.020 REPLICA – 9 sec. eng., 2 min. max (JR/SR/OPEN).....Awards to 3rd
A FF GAS – Cat. III, 7 sec. eng., 2 min. max. (JR/SR/OPEN).....Awards to 3rd
C FF GAS – Cat. III, 7 sec. eng., 2 min. max. (JR/SR/OPEN).....Awards to 3rd
1/2 A Nostalgia - 9 sec. eng., 2 min. max, hand launch.....Awards to 3rd
MOFFETT – New Rules (JR/SR/OPEN).....Awards to 3rd
A-2 TOWLINE – F1A, 7 flts, 3 min. max (JR/SR/OPEN).....Awards to 3rd
P-30 – 2 min. max (SR/OPEN).....Awards to 3rd
P-30 – 2 min. max (JR)..... Awards to 3rd
HLG – (SR/OPEN).....Awards to 3rd
HLG – (JR).....Awards to 3rd
1/2A CLASSIC FF – (JR/SR/OPEN).....Awards to 3rd
AB CLASSIC FF – (JR/SR/OPEN).....Awards to 3rd
FAC EVENTS for SUN - TmdJugd POWER SCALE, EMBREYO, FAC GRAND CHAMP
Mass launch GOLDEN AGE(Mod Civ), PEANUT, DIME SCALE..18 trophies..... to 3rd

Where it applies combined events will be recorded as individual for National Cup Points
TROPHIES WILL BE AWARDED AT THE END OF EACH DAYS EVENTS

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A RAFFLE WILL BE HELD ON THE FIELD – TICKETS WILL BE SOLD BOTH DAYS – DRAWING ON SUNDAY!!!

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OPEN — $20.00 includes 1st event
$5 for 1 additional event – $25.00 Maximum for 2 or more events
SENIOR — $5.00 for all events
JUNIOR — N/C for all events

REGISTRATION WILL CLOSE AT 1:00 P.M. BOTH DAYS!!!!

($1.00 WILL BE DONATED FROM EACH CONTESTANTS FEE TOWARDS FIELD MAINTENANCE.)

CONTEST DIR.: Joe Wagner, Tom Kerr & FAC Events-Russ Sandusky
JW - 25804 JOHN HANSON RD, CHESTERTOWN, MD (410) 778-3933
TK - 7733 AIRY HILL ROAD, CHESTERTOWN, MD (410) 778-4939
emails-ekerr@hpiug.org, jwagnerf1c@aol.com, sandusky@enter.net

★★

THE HIGGS BROTHERS & FAMILY, OWNERS OF THE FARM HAVE BEEN KIND ENOUGH TO AGAIN LET US USE THIS FACILITY. THE ADJOINING FARMS ARE NEIGHBORS AND FRIENDS. WE ARE ALLOWED TO USE BIKES FOR CHASING ONLY ON THE ROADWAYS, PATHS, AND THE FIELDS PLANTED IN RYE GRASS. ***WE ARE NOT ALLOWED TO RIDE BIKES INTO THE WINTER WHEAT OR CROPS. RETRIEVAL IN THOSE AREAS MUST BE ON FOOT.*** *WE WOULD APPRECIATE YOUR ABIDING BY THESE RULES TO MAINTAIN A GOOD RELATIONSHIP WITH THESE FARMERS AND TOM HIGGS FOR THEIR KINDNESS.*

★★

Convenient Motels:
Comfort Suites - AAA disc. Rooms can sleep up to 5.
160 Scheeler Road - ph:(410)810-0555
Driftwood Inn (Formerly Foxley or Inn at Black Eyed Susan) - rooms with 2 doubles - 1 double & 1 twin,1 double - 1 king are available ph:(410)778-3200
609 Washington Ave. Black Eyed Susan restaurant breakfast, lunch, dinner
Court Yard Inn - rooms with 2 doubles, 2 twins are available
6336 Church Hill Road (Rt213) - ph:(410)778-2755
All are located in Chestertown, MD 21620 - approx. 18 miles from field.
• If you have a problem getting rooms at the above three, there are other motels located on Rt 50 south of the Rt 301 junction about 25+ miles, and on Rt 213 north of Chestertown. Campgrounds available also.
Directions: From Washington-Baltimore: take 301 north to Hyden Clark Road East (Welcome Center), becomes Murphy Road, Dead ends on Ingleside Road, make left to Carter Road, make right to Ell Down Road, you are at site - 13 miles from 301.
From Pennsylvania - NJ: take 301 south to Route 19 (Roberts Station Road), East to Carter Road, make right to Ell Down Road, make left, you are at site.
Return route to Chestertown: Carter Road north to Route 19 (Roberts Station Road) West and cross 301 to Churchill, north on Route 213 to Chestertown. Approximately 18 miles. Follow map on rear page for all directions.

TOM HIGGS WILL BE PROVIDING THE USUAL FOOD AND DRINKS

GREAT GRAPE GATHERING (Since 1971)

Geneseo, NY, 1941 HAG Airfield

June 27, 28 & 29, 2003 — **Sponsored by SAM 86 and WNYFFS**

NAME: _____ MAAC/AMA No. _____

STREET: _____ CITY: _____

PROVINCE/STATE: _____ POSTAL/ZIP: _____ SAM No._____

ENTRY FEES: $10 for 1st event; $8 for next ones to $25 max. **ENTRY FEE PAID: $_____**

BARBECUE: At HAG Airfield $9 in advance, $10 at the field **BARBECUE FEE PAID: $_____**

Contest Director: Brooks Goodnow, WNYFFS

FF Event Director	RC Event Director	CM	Embryo Judge
Jim Moseley	Roy Bourke	Jim Anderson	
19 Banner Crescent	56 Clareville Crescent	135 Margaret Place	FAC Events
Ajax, Ontario, L1S 3S8	Toronto, Ontario M2J 2C1	Brockville, Ontario K6V 6Y6	
905-683-3014	416-493-0111	613-342-5613	Registrar
jjmoseley@look.ca	roybourke@look.ca	anderson@superaje.com	

FREE FLIGHT EVENTS		Contestant	
Fri., June 27 8:00 to 5:00	**Aircraft**	**Engine**	
1/2A Nostalgia (1)			
0.020 Replica/1/4A NOS			
P30			
Cloud Tramp (6)			
HL/CL Glider combined (2)			
FAC Embryo Endurance			
Sat., June 28 8:00 to 5:00			
FAC OT Gas Replica Electric (5)			
Bob Gordon Trophy (3)			
ABC Nostalgia Gas (1)			
SAM Commercial Rubber		**MIMI may be flown on any day.. Rules page 2**	
Small Rubber Fuselage up to150 sq. in.		**Co-sponsored by Dave Larkin & Richard Barlow**	
Large Rubber Stick >150 sq.in.		**DAKOTA may be flown on any day Rules page 2**	
HL/CL Glider combined (2)		**Sponsored by Don Myers**	
Sun., June 29 8:00 to 4:00		**Engine**	
Slow Power Gas up to 0.15 (7)			
Small Rubber Stick up to 150 sq.in.		**LADIES CLOUD TRAMP MASS LAUNCH**	
Large Rubber Fuselage > 150 sq.in.		**Co-sponsored by Dave Larkin & Richard Barlow**	
FAC Golden Age Civil Scale (4)		**Time to be announced**	
Open Rubber			

R/C EVENTS		Contestant			
Fri.,June 27 8:00 to 5:00	**Aircraft**	**Engine/Motor**	**Area**	**Weight**	**Frequency**
Electric 1/2A Scale Duration (1)					
Electric Texaco (2)					
Sat., June 28 8:00 to 5:00					
Electric 1/2A Texaco (1)					
Electric LMR (2)					
1/2A Scale Duration, any 1/2A eng. (3)					
Sun.,June 29 8:00 to 4:00					
1/2A Texaco, any 1/2A engine (3)					
B-C Glow L.E.R.					

The **INFORMER**

2348S, 700W
New Palestine,
IN
46163

2003 President
Lonnie Kinder

Vice President
Bob Abernathy

Sec'y/Treasurer
Meredith Chamberlain

Issue No. 1 - 03

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