CENTRAL INDIANA AEROMODELLERS

INFORMER

FREE FLIGHT NEWS OF THE MIDWEST

** The Weather **
Awake
to flakes.

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

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... and Another One is History!! - MJW

The CIA Awards Banquet of January 23, 1993 has come and gone. Seems like just yesterday we did the last one. (And it won't be too long before the next one!) Keeps getting bigger, too. At least 72 bodies this year, surpassing the old record of 66! Welliver's basement facility seems to be getting smaller and smaller.

This one was special in that it was our 20th Anniversary bash, so a special emcee was recruited. **Phil Sullivan** was the man of the hour - most appropriate, if you consider that he's just gotten back into the sport after a 20 year hiatus.

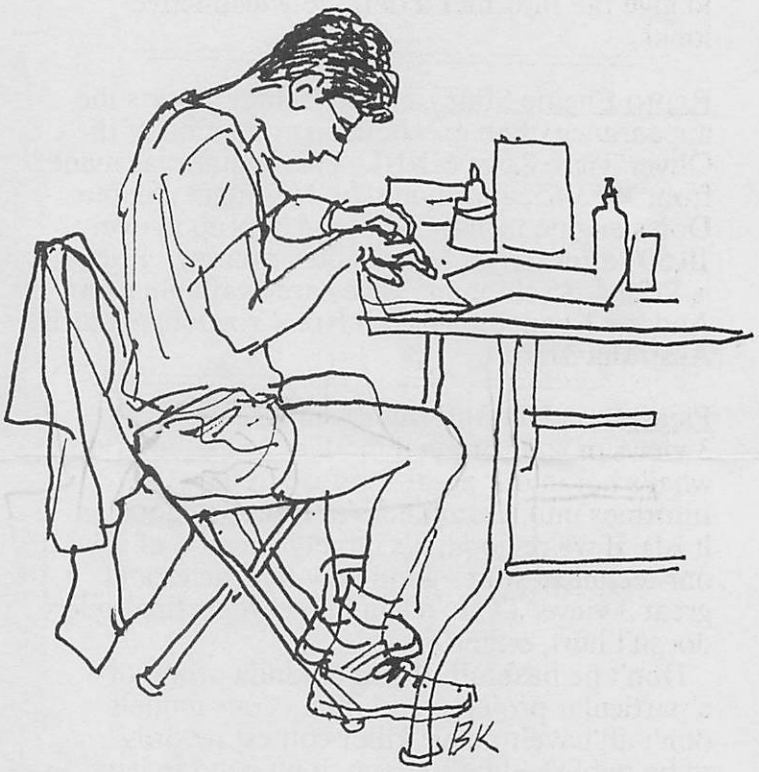
And the jokes would not quit! Phil couldn't get over Bill Hutchins in shirt and tie - thought he only owned shorts & sneakers ... The same for Elmer Jordan. Phil never saw him in anything other than his red jumpsuit. He then revealed Guy Scott's thoughts on Jockey shorts; "I wear a 34, but 36 feels good, so I buy a 38"! Phil finished the Agent Roast by challenging Rudy Kluiber to come over sometime in a clean T-shirt.

... Vince Mankowski to Harry Murphy on Jim Haught being hired as an AMA editor "yeah, we got him. And we'll pass the savings on to the membership!".

Gotta thank Les Hallgarth for his efforts in coming up with a passel of neat door prizes. (I'm sure gonna put my new needlenose pliers to good use.) And congrats to Mrs. Lou Petrascu (Mariana Richmond's mom) who took the "farthest out" honors, having come to the banquet while on vacation. She lives in Romania!

This is supposed to be an Awards banquet; a recognition of various modeling-related achievements by our Agents. But it's getting harder and harder to get people to send in their contest point claims, so we'll (Harry'll) know who's-got-what coming in the various categories! Of our 200+ members, only 8 turned in claims points, so Harry had to again research the area contest results to get a reasonable semblance of who had the points! C'mon, people! For the first time in club history the Indoor

(cont'd p 4)



Everybody's Modelin' Planes .... by HSM

This month's human interest story goes like this: in December, a girlfriend of my wife's came to our home for an afternoon visit. In the course of the day, she stuck her head out into my shop and stated that a young fellow in her neighborhood flies R/C model planes and that he was recently at a flying session in Indy when a guy driving a real luxuriously finished van parked beside him and began unloading his plane.

The guy was a pleasant bloke, and during ensuing conversations the kid complimented him on his van, since it was so unique. The guy thanked him and sheepishly commented that he had won it as a prize for winning an auto race. What auto race, asked the kid? "Excuse me", said the polite fellow with the van. "My name is Rick Mears"!

Say Hi!! Let's give a big Welcome Aboard to new Agents **Joe Clawson** from Falls Church, VA, and **Francis Sibley** of Powell, OH.

If you like the Informer artwork, you're admiring the handiwork of artist/Agents **Beth & Joe Krush** of Wayne, PA and **Howard Hill** of Chicago, IL. In case their names or initials don't always appear on the drawings, Beth&Joe do the more abstract indoor-oriented sketches, while Howard handles the outdoor-power style drawings. Many thanks to Beth, Joe and Howard for helping to give the Informer a definitely distinctive look!

Repro Engine Stuff .... Don Belote reports the appearance of an excellent reproduction of the Oliver Tigre 2.5cc MKIII. This engine was made from 1953-65, and should be Nostalgia eligible. Don's engine turns a 9-5 Rev-Up prop at over 10,500 after only a few minutes running. Price is $120 + $5 shipping. They are available from Andrew Kennedy, 79 Hull Rd., Croydon, Victoria, Australia 3136.

Please!! .... The Informer is in dire need of 3-views of your original models. Let's show 'em what's hot in our area! I refuse to turn the Informer into a sampled Vol Libre (as good as it is!). If we're good, it's largely because of our technical stuff - good how-to articles and great 3-views. (The 'down home' reporting style doesn't hurt, either!)

Don't be bashful! If you're kinda proud of a particular project, send it in. Your models don't all have to have killer contest records to be published here! You don't need to have "camera ready" artwork, either. I can touch up your quickie drawings on my computer, so send 'em in regardless of your style. Thanks. - MJW

Those Texas Timers .... Jim Summersett has added a 1/2A size timer and a squeeze-off type timer to his arsenal. Both the larger ABC timer and the 1/2A Texas timers feature the remote fuel cutoff and quick DT or auto stab, with thumb start tripper. At 360deg the timer will run for about 30 sec, making it suitable for NosGas & O.T. FF events. They are claimed to be lightweight units.

The ABC and 1/2A Texas timer is $27.50. The cutoff is $4.50 + shipping. The squeezeoff timer is $18.95 + shipping. Jim Summersett; Rt 4, Bx 365K, Canyon Lake, Texas 78133: (512) 899-4804.

Jetex Jim Sez .... "Come One & All to the first ever Jetex Rally to be held in the US!" The event is tentatively scheduled to be held at AMA HQ in Muncie, IN on Saturday, July 17, 1993. A symposium, as well as flying sessions are being planned.

For more info, contact: Roger Wathen, 3242 N. DeQuincy St. Indpls, IN 46218. (317) 547-5963.

Potential Words of Wisdom? Agent **Keith Hoover** suggests that a *variety of events* at contests *fosters participation*. The number of fliers per event may be less important. (This seems to be counter to present trends of event-cutting at local contests!) I tend to agree. The variety theory worked for us back in my gun club days! You didn't cut the ladies events because of low event entries! If you did, eventually the husbands wouldn't come either, and nobody shot anything! Something to think about .... - MJW

From the WNYFFS .. 'Double Agent' **Don Yokel** sez they've added an unofficial Diesel Fun Event for plain bearing diesels in any size airplane from any era, to their Aug. 14-15 meet. (Here's your chance, Meredith!) Don will put up 3 trophies and provide traditional, 3-part fuel (ether, K2 kerosene, castor oil and a dab of amyl nitrate). Fuse DT only. Engine run? Probably 12 sec.

Don's building a Dixielander with a .15 or .19 PAW. Get your favorite oily rag broken in!

From the NFFS .... I had the chance to see the new model video produced by the NFFS, "The Joy of Flying Free". It's a good one! This VHS format, 42 minute presentation follows the technical and artistic aspects of the sport, covering everything from simple gliders thru hi-power equipment. The narration and music are very well done.

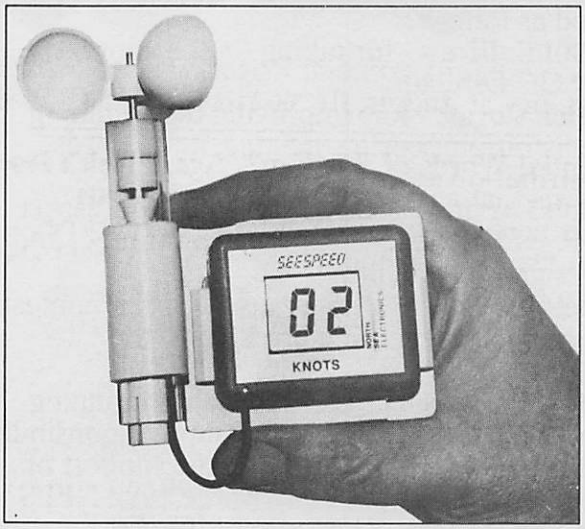
This video would be a great promotional tool, or icebreaker when FF clubs are making presentations to owners of potential flying sites. Interested? Send $25 + $3 per copy to: NFFS, 1655 Revere Drive, Brookfield, WI 53045.

The CD/Manager of the coming IndoorNats/USIC at Johnson City, TN is Tom Iacobellis, 198 Manhattan Ave, Hawthorne, NY 10532: (914) 747-9038.

The CD/Manager of the Nats/USOC at Muncie, IN will be Jim Kutkuhn, RR 5, Box 430, Augusta, KS 67010: (316) 733-0979.



WINDSPEED ANEMOMETER



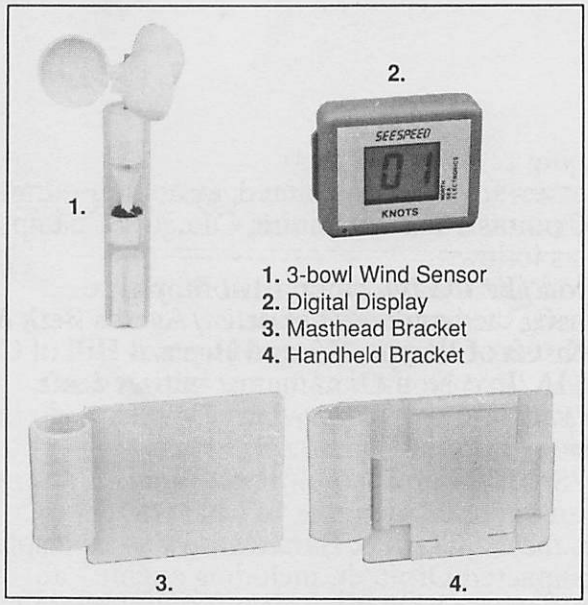
ACCURATE WIND VELOCITY

- **Handheld (vessel or field)**
- **Mount at Sailboat Masthead**
- **Mount on Power Boat**
- **Install at Landbased Weather Station**

EASY TO USE • INEXPENSIVE

Make weather forecasting more accurate, vessel operation safer. Know your wind speed. A single, fiber optic cable connects a small, rugged ABS, 3-bowl rotor which turns on a stainless steel shaft at a speed proportional to the velocity of the wind. This information registers in knots on a digital readout in vessel cockpit/cabin or at weather station.

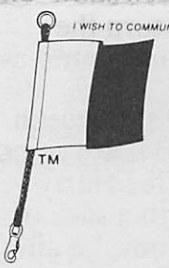
A unique rotating light valve on the shaft with the 3-bowl rotor pulses ambient daylight or artificial light, derived from the spinning rotor, into the fiber optic connector cable. A small lithium-battery-powered digital readout (may be located any convenient distance from the rotor) counts the pulses governed by the wind acting on the rotor, showing wind velocity. Readout will display to 99 knots!



1. 3-bowl Wind Sensor
2. Digital Display
3. Masthead Bracket
4. Handheld Bracket

SPECIFICATIONS

Model	WINDSPEED
Windmeter	Molded ABS, stainless shaft
Display	LCD - 1/2-inch numerals
Power	Lithium battery - #2032, 3.0V
Battery Life	Approximately 1 year
Cable	Fiber optic - specify length
Dimensions	Windmeter, 4.0" x 2.25"
	Display, 2.25" x 1.75" x 0.5"
	Mounting Plates, 3.5" x 2.25" x 0.75"
Weight	Windmeter, 0.75 oz., w/o plate
	Display, 1.25 oz., w/battery
	Mounting Plates, 0.75 oz.
	Total of handheld unit, 2.75 oz.
Seal	O-ring on battery compartment



KILO MARINE
A CALIFORNIA CORPORATION
Post Office Box 520
El Toro, CA 92630
714/837-1149 (Headquarters)
717/776-4725 (Eastern Office)

AUTHORIZED DEALER

Herb Sessums
P.O. Box 754
Bishop, CA 93515
619-873-6436

I came across this item recently. Looks like a neat piece of gear, for those who can afford it! The following info doesn't show in the ad: the cost is $89.50+$2 shipping; 2 or more, no shipping charge. If you don't like the anemometer after 10 days, send it back in new condition for a refund.

The windspeed is indicated in knots, the lowest reading being one knot.

The sending unit can be easily separated from the digital readout with fiber optic cable which is available through any local Radio Shack outlet. Herb Sessums, P.O. Box 754, Bishop, CA 93515, is distributor for the units. Ph: (619) 873-6436.

(Banquet ..... cont'd)
Champ award went unclaimed, as nobody admitted to 100 points! The remaining Category Champs were as follows:

* AMA/FAI Gas Champ - **Gil Morris.**
* NosGas Champ - **Bill Hale.**
* O.T. Gas Champ - **Harry Murphy.**
* AMA/FAI Non-Gas Champ - **Roger Lane.**
* O.T. Non-Gas Champ - **Larry Willis.**
* Open Hi-Point Champ - **Bill Hale.**
* Jr/Sr Hi-Point Champ - **Ryan Bane.**

As an ominous reminder of what was yet to come, the 1st Crash & Burn award was on display - a compacted Orbiteer, including engine - all inside a mug! Candidates included Phil himself, who sheared some wings while relearning the model process after his 20 year layoff; Marty Richardson, who broke his arm at the Sierra Cup; Vince Mankowski & Pete Waters; Gib Robbins with his power model quick-dt'ing right out of his hand; and Bob Perkins, whose model retreival system kept him heading backwards to the vicinity of his car, where a 2nd model had its transmitter left on! But the top 4 candidates were as follows:

* Harry Murphy, who crashed many models, one after another at a Dayton meet!
* Harry Murphy, who forgot to pick up his 1/2A Zeek after a 50 yd test hop, and just went home!
* At Lawrenceville, Guido Speedy's grandson Cody was told to watch Harry and learn something about flying. Pretty soon after Harry came back from the flight line with a sack of model pieces, Cody told Guido, "boy, he ain't so damn good"!
* While on a model retrieval mission at Muncie, Harry found his model, but lost his wallet - $250 cash, cards, the whole bit! Harry even went searching with a metal detector, as the wallet had a key in it. No help.

You guessed right. The '92 Crash & Burn Award goes to **Harry Murphy!** He sensed he'd get it as far back as September 1st. His wife and daughter gave him a model locator for Christmas, and suggested he put it in his wallet!

Next came the Merit Awards; those given for outstanding individual achievement. They were:

* **Jack Greene** - for being the "Father of Hi-Thrust".
* **Chris Matsuno** - for his many years as District VI Contest Board member, and making this year's F1B squad.
* **VanArsdale Enterprises** - for their development of the Shuriken engine family.

The Service Awards, are those given because of sacrifice and efforts to make the game more enjoyable for the rest of us! They were distributed as follows:

* **Phil Sullivan** - for taking on the chores of USOC Director.
* **Dick Covalt** - for simplifying the system of registration, scoring, posting, and awards distribution at the USOC.
* **Bob Larsh** - for his efforts as SAM District VP, NFFS NosGas Review Committee, and general Design Policeman!
* **Betty & Moe Whittemore** - For their contest volunteer work and editorship of the CIA Informer.
* **Don & Sue Sachtjen** - for their continuing SAM 57 and area SAM Champs responsibilities.
* **Keith Hoover** - for his longtime support of free flight and editorship of the 1992 NFFS Power Models - The State of the Art.

Then, for kicking toolboxes; for turning the air Corsair Blue at the USOC SAM O.T. ROG launch pad when his model refused to cooperate; kicking a chair during a fit, which sent it flying thru the air hitting a lady nearby: but most dastardly, for kicking his defenseless model, **Elmer Jordan** was awarded the special Horzezazz Trophy - and he still denies he kicked the chair at the lady!

As you all know, Phil Sullivan has been a professional golfer/teacher, but for all his exposure has never hit a hole-in-one. Duffer Harry Murphy happened to hit one years ago, then quit playing because there was nothing more to achieve! Phil has always admired Harry's hole in one award, complete with the cut-up ball he did it with, fondling it every chance he got. Phil was really crushed when part-time golfer Les Hallgarth admitted to <u>three</u> of these rarities! So Harry & Les got together and presented Phil with a "Complimentary Hole-In-One" award in front of his friends. Nice.

... call him Dirty Harry, call him Shaky; just don't call him on the phone! But the biggest Special Award went to **Harry Murphy** - the "Mr. CIA Award" - from the good ole boys of the CIA!

In closing the formal part of the show Phil Sullivan said "when somebody says 'I love to build models', they really mean 'I *like* to build models, but *love* the people that do'!"

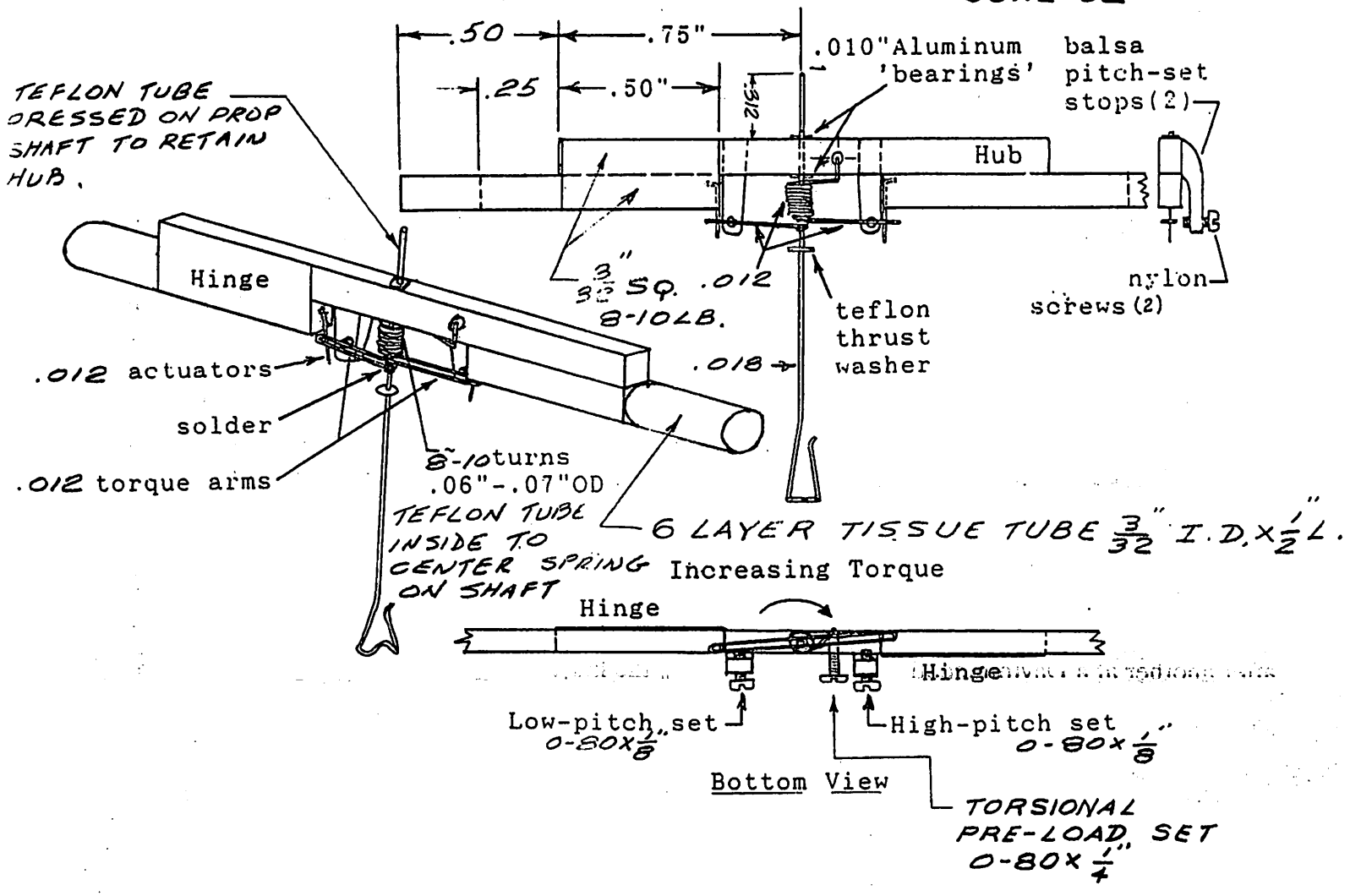
A reminder. Look out for **Bill Burgess** and **Dick Covalt** this flying season! They're back in the hunt again, after taking a breather from the game for a while.

Then **Gib Robbins** put us all in a mellow mood with a slide show that covered his modelling odyssey from 1974 on! Really weird to see all that long hair, small guts, and flares (pants) on the flyers!

Til next time ..... - MJW.

ADJUSTABLE VARIABLE PITCH PROP
by Cezar Banks
July'90

V.P. PROP MODIFIED FOR P.P.
BY JIM CLEM
JUNE '92

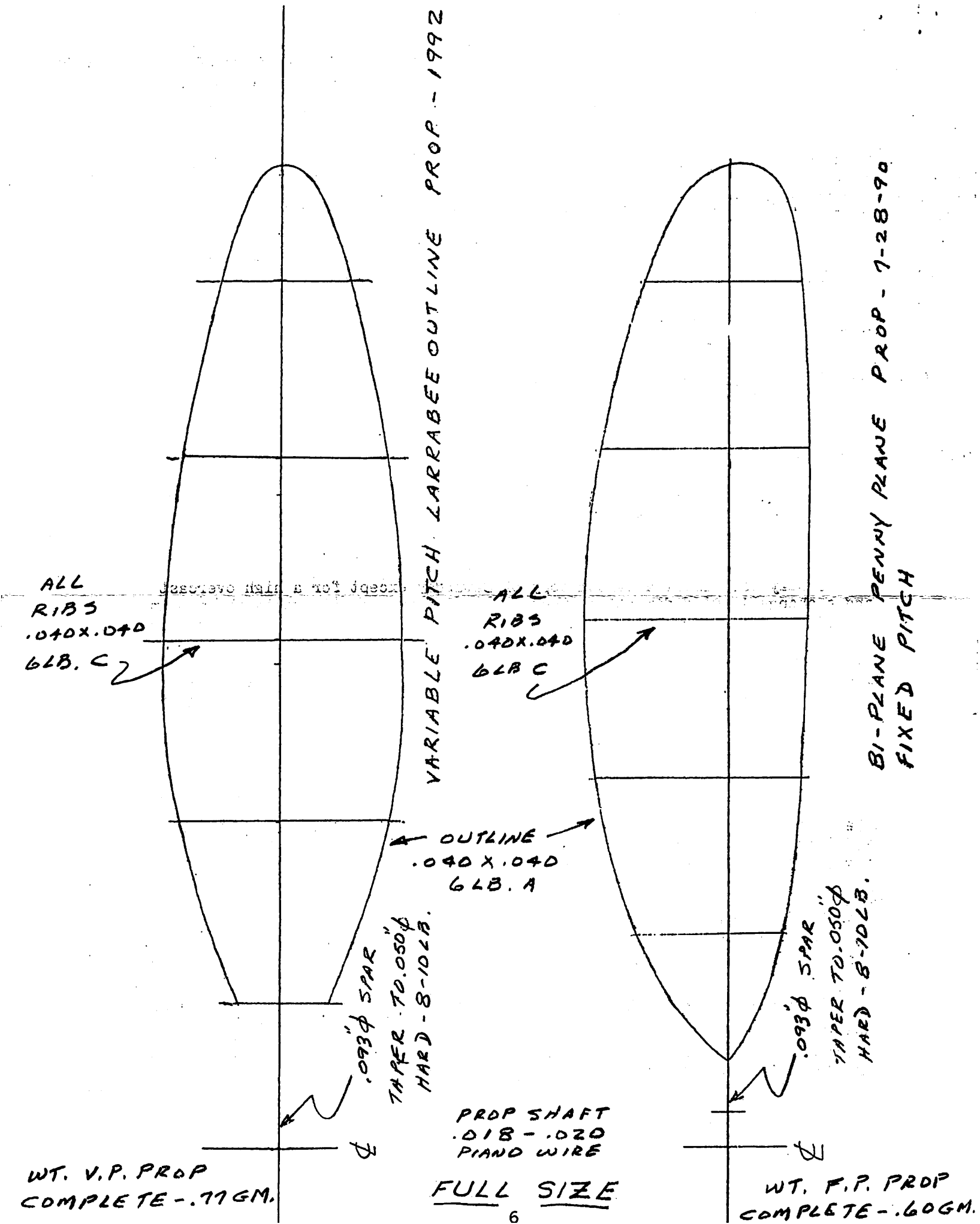


Jim sez that this hub/prop combo yields consistent 9-10 minute no touch in their Cat I site, and has done one 11:25 against an 11:31 record - so it has possibilities! The model used was a bipe PennyPlane.

Notes:

Hinges are iron-on Mokokote or Micafilm. Ends of nylon screws act as adjustable stops to rotation of torque arms. Threads in balsa are 'cast' out of cyano using 0-80 steel machine screw as a mold. Force screw it out when cyano has set.

Torsional pre-load on spring determines when 'switchover' starts. I try for 2 1/2 - 4 minute mark. To adjust, bend free end of spring or add shims where spring end is glued to hub. Transition time to reach low pitch stop is determined by number of coils and coil diameter. Be sure to review Bob Randolph's article "TopCat 90L-1" in the September '91 MA.


VARIABLE PITCH LARRABEE OUTLINE PROP - 1992
ALL RIBS .040X.040 6LB. C
OUTLINE .040 X .040 6LB. A
.093"ϕ SPAR TAPER TO .050"ϕ HARD - 8-10LB.
PROP SHAFT .018 - .020 PIANO WIRE
WT. V.P. PROP COMPLETE - .77GM.
BI-PLANE PENNY PLANE PROP - 7-28-90
FIXED PITCH
ALL RIBS .040X.040 6LB C
.093"ϕ SPAR TAPER TO .050"ϕ HARD - 8-10LB.
WT. F.P. PROP COMPLETE - .60GM.

FULL SIZE

Lawrenceville,Il. Oct 3 & 4. If you missed this traditional end of the season meet you missed a "good un".Altho attendance was down about 10-15% the flying was great.

Two nearly perfect days with temperatures in the low to mid 70's and wind generaly under 5 knots greated competitors.

Saturday was sunny with 58 flyers puting in 372 offical flights.

Mulvihill	H.L.G.	Coupe	Pre 37 Wake
1 Joseph Williams	1 Bill Schlarb	1 Walter Mumper	1 Larry willis
2 Bud Brown	2 Phil Sullivan	2 R. Zabellca	2 Ed Konefes
Orval Stewart	3 John Schifko	3 Moe Whittemore	

½a Texaco scale	½a Texaco	Catapult Glider	"A" Gas
1 Harold Erickson	1 Fred Williams	1 Ralph Schlarb	1 Bill Neighbors jr.
2 Bill Kleinhaus	2 John Schifko	2 Bob Rother	2 Robert Johannes
3 John Schifko	3 Gene Wicks	3 Bill Schlarb	3 (tie) Richard Covalt, Bob Perkins

O.T. Rubber Stick	Nostalgia gas	"B" Gas
1 Ed Konefes	1 Tom Kirsch	1 Bill Schlarb
2 Larry Willis	2 Keith Fulmer	2 Richard Covalt
3 Bob Watson	3 Steve Staples	3 Tom Kirsch

Sunday was almost a carbon copy of Saturday except for a high overcast and a change in wind direction. There were 57 entrys in 11 events who put up 359 officals highlighted by Ed Konefes' 7 min (420) flight in O.T.Rubber cabin.

A.M.A. Rubber Scale	Peanut Scale	A1/A2 Glider	.020 Replica
1 Jim Miller	1 Jim Miller	1 Bill Schlarb	1 Matt Basta
2 Dorothy Odum	2 Ted Dock	2 Bob Clipp	2 Steve Staples
3 Ted Dock	3 Dorothy Odum	3 C.A.Suchuchmann	3 Tony Italiano

Pee Wee30	O.T. Gas	"C" Gas	Wakefield
1 Gene Bowers	1 Robert Johannes	1 Bob Perkins	1 Chris Matsuno
2 Elmer Jordan	2 Matt Basta	2 Dick Bloomquist	2 Ed Konefes
3 Randall Hopkins	3 Gene Bowers	3 Robert Johannes	3 Marvin Bashaw

O.T. Rubber cabin	P-30	½a Gas
1 Ed Konefes	1 R.Zabelka	1 Keith Fulmer
2 Joe Macay	2 Marvin Bashaw	2 Bob Watson
3 Lewis Odum	3 Eric Helper	3 Bill Schlarb

Awards were given out at the end of each day were wood and brass plaques for the top three places in each event.Sunday's awards also included a plaque/ desk stand with brass & black inscription and clock, one each for open and jr./Sr. high point. These were won by; Bill Schlarb in oprn and Mark Richmond in jr./sr.

This contest is tentatively set for the same time frame next year. . . .
. . .BE THERE . . .

C.I.A. CLUB POINT SYSTEM REVISITED

Some proposed revisions were reviewed and subsequently approved at our last club meeting in January. Therefore, we are including a completely new C.I.A. Point System sheet for 1993 in this issue. This sheet is dated 2-1-93 thereby making all previous sheets invalid. The Point Claim Form as it accompanied the 2-1-92 Point System sheet in last issue remains unchanged, so we did not reissue it to save a page in this issue to explain the motion and to include other current info in the space remaining.

The primary revision was in item "D. Eligibility" for which basic award eligibility must include points accrued from a minimum of 4 out of 12 currently scheduled area contests at WPAFB-Dayton (7), Muncie (2), Sturgis (2), and Lawrenceville (1) in 1993. This expands the basic contests from the 3 of 8 restrictions we declared in 1992. However, additional valid point accumulations have been restricted to only those championship affairs as listed.

The reasons for tailoring point accumulations for the purposes of any yearend award affair are the same for all clubs who do such things. Primary intended purposes are to promote participation in area contests during the contest season, and to have some excuse to stage a yearend banquet in the following winter, plus Awards Banquets are much more interesting and inexpensive if the majority of the award recipients are in attendance at the banquet and the sponsors do not have the added expense of packing and shipping awards out by UPS or US Mail. In our instance, our yearend bash depletes the club sock of over $300 to purchase awards, door prizes, and other stuff. These monies must be made up from other profitable projects during the rest of the year.

Finally, "Why the apparent restrictions as to the number of contests and the sites selected?" (You were going to ask that question, right?) A very simple explanation follows:

Out of (200) plus C.I.A. club members, your club Sec./Treas. received only (8) point claim forms in return for 1992. Therefore, the names of all members and the contest results from the (8) basic contests were charted out on a spread sheet to attempt to set the proper point accumulations and confirm contest participation minimums for each member. Also, point accumulations were added for other contests as well such as for USOC, SAM Champs, the AMA NATS, etc. for which the results were rather readily available sooner or later in newsletters and magazines.

Therefore, since it appears this whole bookkeeping ordeal is going to be laid onto your Sec./Treas. each year right at Christmas time, he is going to make it easy for himself by limiting the number of contests for which he has to scrounge up results which also gives eligible members an equal chance at the awards whether or not they send in a Point Claim form at the end of the year. This way the bottom line result may be that we can get rid of those (8) trophies our club By-Laws say we must provide at our annual Winter Bash whether or not over 192 (200 minus 8) of our Agents don't care to play-the-game. Oh well, the food and fellowship are always "just great," right?

See you there in '94!

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.

SPECIAL EVENT RULES - a synopsis

Early 1/2A Nostalgia Gas

Same rules as NFFS 1/2A Nos Gas except:

1. Scaling of designs is prohibited.
2. Only the following NFFS Nos Gas eligible 1/2A engines of .045 to .050 cu. in. displ. are permitted: WASP, SPITZY, SPITFIRE, OK CUB, K&B TORPEDO.

1/2A Antique (Free Flight)

Any design approved for S.A.M 30 Sec. Antique event except scaling is permitted, plus:

1. Engines are to be Cox reed valve types with a maximum displacement of .050 cu. in. No Diesels.
2. Model must weigh a minimum of 12 ounces. Model size is unrestricted, but construction to follow that of the original design with wood sizes scaled accordingly.
3. All launches shall be R.O.G. with 6 attempts permitted to make 3 official flights. Any Flight over 40 seconds is an official flight.
4. The following Engine Runs/ Maxes are suggested:
   Cat I = 30 secs/5 min.
   Cat II = 25 secs/3 min.
   Cat III = 20 secs/2 min.
5. The final score shall be the sum total of all official flights. Engine runs shall be cut in 5 second increments should flyoff flights be required.

Slag Engine

Any S.A.M. approved model design except:

1. Engine shall be one of the original slag aluminum types which incorporates a cast aluminum piston and cylinder with neither having plated surfaces. Examples are: THOR, ROGERS, GENIE, JUDCO, BUZZ, etc.

Moffett (Rubber Endurance)

1. The total projected flight surface area of wing and stab shall not exceed 202 sq. in.
2. The distance between the prop thrust bearing and far edge of the stab, fin, or fuselage shall not exceed the projected span of the wing.
3. The fuselage cross-section at the point of maximum area shall be at least the length of the fuselage (Item 2) squared divided by 150.
4. The airframe shall be at least 1.75 ounces (50 grams) per 100 sq. in. of projected wing area.
5. No limit to weight of rubber used.
6. Model must stand unassisted on 3 points.
7. All Championship or record flights shall be R.O.G. with no pushing.

Hand Held Catapult Glider

See AMA Rule Book, page 17, sec. 4.2.

Embryo Endurance

1. Any rubber model design with a max. wing area of 50 sq. in. for monoplanes (70 sq. in. for bi-planes - 45 sq. in. max. in larger wing). Stab not to exceed 50% of wing area.
2. Fuselage volume to enclose a space of 1-1/4 x 1-1/2 x 3 in. or larger.
3. Wing(s) and tail to be built-up, tissue covered on both sides. No films permitted.
4. No folding props.
5. Model must R.O.G. from a card table top unassisted from a 3-point rest.
6. Landing Gear legs must have 3/4 in. dia. wheels or larger.
7. Four attempts are permitted to make 3 official rise-above-table-top-level-flights.
8. Highest flight total plus bonus wins. Fly off to break any ties.
9. A bonus for the following details shall be given:
   5 seconds - for a raised cabin or windscreen with open hole and headrest.
   3 seconds - for 3-dimensional wheel pants.
   1 second - for 3-dimensional exhaust pipes.

Now you can't say that you couldn't find the rules for those "Mickey Mouse" fun events. Build for one or more this winter.!

CENTRAL INDIANA
AEROMODELLERS
14TH ANNUAL

AMA
Sanctioned
SAM
NFFS

Wright Field
Dayton, OH

OLD TIMER

Two BIG Days! AND July 24th & 25th, 1993

NOSTALGIA GAS

Regional Free Flight Champs

Saturday, July, 24th (9 - 4 EDST)

- 1/4A Nos Gas
- B/C Nos Gas
- A/B Fuselage O.T. Gas
- Early 1/2A Nos Gas
- Nos Gas Ignition
- Small O.T. Rubber Stick (150"in. max.)
- O.T. HLG

Saturday Eve (4 - 6pm EDST)

- 1/2A FF Antique Gas
- Slag Engine

Sunday, July, 25th (9 - 4 EDST)

- 1/2A Nos Gas / 1/2A O.T. Gas
- .020 Replica Gas (Old Timer)
- A/B Pylon O.T. Gas
- C Pylon/Fuselage O.T. Gas
- A Nos Gas
- O.T. Rubber Fuselage Comb.-ROG
- Large O.T. Rubber Stick (150-300"in.)

Rules: (2 minute maxes)

Old Timer - SAM rules except approved ignition engines to be used only. No converts, glow, or diesels.

Nost. Gas - NFFS rules with 9 second engine runs. Flyoffs are 7, 7, 5, 5, 5, etc.

Trophies thru 3rd place in all events. Entry Fees are $10 for first event, $2 for each additional event - $20 max! Jr/Sr Free!

WPAFB Rules: Enter via Gate 19B atop hill on east side of complex off National Road. Seat belts to be on to enter and remain fastened as you drive on the base. Stay away from mid-field installations and vehicles. Chase bikes permitted, but helmets and reflective vests are enforced by the Air Force. Fines are possible.

CD: Meredith Chamberlain, 5810 Madison Ave., Anderson, IN 46013
(317) 642-6794

1993 AREA CONTEST CALENDAR

Apr	2-4	Toledo, OH	Toledo R/C Expo
May	2	Columbus, OH	MECA Collecto
	23/24	WPAFB, OH	Jim&Dale's All-Gas FF Meet
	30	Bong, WI	Aeronuts Spring OT Meet
Jun	3-6	Johnson City, TN	NFFS USIC/AMA Indoor NATS
	5/6	WPAFB, OH	COFFC Spring FF Meet
	12/13	Sturgis, MI	MAM OT FF Meet
	20	WPAFB, OH	FFMAS FF Meet
	26/27	Bong, WI	FAI International FF Meet
Jul	10/11	Muncie, IN	Intra-City FAI Meet
	17-26	Lawrenceville, IL	AMA RC & UC Nats
	24/25	WPAFB, OH	CIA OT & NosGas Meet
Aug	1	Bong WI	Bong Eagles FF Meet
	7/8	WPAFB OH	NOFFA FF Meet
	15	Bong WI	Midwestern States FF Meet
	21/22	WPAFB OH	COFFC Fall FF Meet
	29	Bong WI	Aeronuts Fall & OT Meet
Sep	1-5	Muncie, IN	NFFS USOC/AMA FF Nats/FAC
			NFFS NosGas Champs/SAM 57
	12	Sturgis, MI	Mich State FF Meet
	18/19	Muncie, IN	CIA Annual Regional FF Meet
Oct	2/3	Lawrenceville, IL	TCAC Club Meet
	11-15	Taft, CA	'93 SAM Champs
	16/17	WPAFB OH	Fall Practice Sessions
Nov	7	Columbus OH	MECA Collecto

The INFORMER

2348S, 700W
New Palestine, IN
46163

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Steve Frazier

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Phil Sullivan

Sec'y/Treasurer
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