



The THUMB PRINT
Thermal Thumbers Of Metro Atlanta

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July-Aug., 2014

HEADS UP

Welcome to the July issue. I tried to get it out before the Nats, but that didn't happen. The upshot of that bit of misfortune is you've plenty of Nats coverage in this issue, including both the Kibbie USIC and Muncie USOC. The details follow. We've a ton of local contest coverage, too, with the June contests. Along the way, Karl Hube provides some very helpful health advice about summer heat and dehydration. Josh Finn has been working on a re-dressing of our state indoor records and provides the fruit of that labor at the end of this newsletter. You'll, no doubt, notice and swell with some proud over how many of our state indoor records are also those of the USA and the world.

Not all the news is merry. We relay the passing of our old friend Clarence Purdy, for those that haven't heard. (I hereby call a moratorium on the slipping the surly bonds for a while, my friends.)

The outdoor season is about half done, but there's plenty more to do under the Cathedral of the Big Blue Sky at the North GA Sod Farm. We're still flying every month at St. Lukes, behind closed doors. So, glue some sticks together and shop up somewhere!

It's time for me to get out of the way. Ciao, y'all!

REST IN PEACE, CLARENCE

Our old friend Clarence Purdy passed away last June from the last of his long battle with cancer. It took ten long years, but it finally killed him. Personally, I've never seen a man who remained so quietly brave and steadfastly optimistic as he did. He stared down the long barrel of that monster for a decade and never flinched. He didn't come to Perry this year, and I figured things had taken a turn for the worst.

I'm guessing the last few months were rough, and it was a good time to go. I spoke with his daughter Marsha, and she said it was his time, and he was looking forward to being united with his soulmate Yvonne. I hope so. I've never seen two people more meant for each other than those two.

I went back with the Purdy's a long way. They always treated me like family, and I'm going to miss him. Good bye, old friend.

NEVER TOO LATE

There are still some of our friends out there who haven't renewed their club memberships. Frankly, I don't see why not, but it is what it is. As is our custom, we are offering one-half off membership renewals past mid-year. The amended membership form follows. You know who you are. Do it!

THINGS TO DO, PLACES TO BE AND PEOPLE TO SEE

We're still in the middle of it, a little past midway in the outdoor season and an indoor session every month. There's no shortage of times and places to fly model airplanes. The year's remaining dates follow. Glue some sticks together and show up somewhere.

Aug. 16 Indoor, St. Lukes, Nick Ray CD
Aug. 17 Pop Purdy's, Outdoor, Sod Farm, Graham Selick, CD
Sept. 20 Indoor, St. Lukes, Dohrman Crawford CD
Sept. 27 Sept FAC, Outdoor, Sod Farm, Jim Altenbern CD
Sept. 28 Summer's Swan Song, Outdoor, Sod Farm, David Mills, CD
Oct. 11-13 Gathering of Turkeys, Pensacola
Oct. 18 Indoor, St. Lukes, Bill Gowen CD
Oct. 26 Last Fling til Spring, Outdoor, Sod Farm, David Barfield CD
Nov. 2 Turkey Shoot, Outdoor, Sod Farm, Gary Baughman CD
Nov. 15 Indoor, St. Lukes, Nick Ray CD
Dec. 13 Indoor, St. Lukes, Dohrman Crawford CD

THUMBS ON THE MARCH

This just in from Bill Gowen on the recent USIC at the Kibbie Dome: "The Thumbs did pretty well at the big show. Nick took first in Ministick, third in F1D and third in HLS. I got firsts in LPP and A6. I lost my F1M to the scoreboard before I could make any official flights. The event was very sparsely attended, but it was good to see old friends and West Coast friends who don't usually get to our part of the country."

Well done, sirs. Pity Bill lost his F1M so early in the contest; he's a threat to go all the way in the event. Also, we should note his victory in Limited Pennyplane is the third time in a row, following two second places in a row previously. That's some serious bragging rights, buddreau. (If Bill doesn't just slap own LPP, I don't know who does.)

Nick continues to be a national force in F1D and Ministick. Photos in *NatsNews* indicate he flew his fin-less F1D, no doubt causing a stir or two along the way. He and Bob Romash had a good shootout in Ministick, as usual, but this time Nick came out on top. All the daily action and some very good photography can be seen at *NatsNews* off the AMA website. Check it out.

THUMBS ON THE MARCH II: 2014 MUNCIE NATS

The Thumbs did pretty well at the Nats. The good flying conditions (save Monday) brought out the best in us, and numerous podium finishes followed. A good group of Thumbs and our friends attended: Dohrman Crawford, Graham Selick, Robert and Tom Marier and their friend Claiburne Wilson, John Yost, Dean McGinnis, Frank Perkins, Ed Hardin, Andy and young Larson Ringlein, Jim Jennings, Big Jim Lewis, Graham Webster and Scott Lapriak. But, the star of the week was young Hayden Ashworth, Graham Selick's grandson.

Young Hayden had one heck of a week. He did very well in the Junior events and gave the adults are run for their money in a few others, like in winning 1/4A NosGas outright and scoring second in both Electric A and B (and one slot ahead of his granddaddy!). He did as well against his peers, scoring second in 1/2A Classic and third in Catapult Glider and Coupe. In addition to helping his grandson, Graham Selick had a good week. He scored third in Electric B and flew in E-36 and A Electric. (Much of his time was spent helping his grandson; I've never seen him have more fun at the Nats. Good choice, Graham.)

Young Larson Ringlein had another good week. (He and his daddy Andy are old club friends and Camp David alumni, so we claim them.) He scored first in Junior Catapult Glider and Junior HLG, scored sixth in a field of nineteen, grown men in OT Catapult Glider and flew well in Small Mulvihill. Ed Hardin gave him a used carbon Coupe, and we'll see how well he does in Coupe next year. (His father Andy was heard to murmur, "Oh, no, carbon!") Father Andy had a good week. When he wasn't making sure young Larson was pointed in the right direction, he flew a few events. He scored a sixth in Embryo and OT Rubber Stick and a seventh in OT Catapult Glider (right behind Larson!)

The not-so-young Robert Marier had an excellent week. He won Senior 1/2A Gas, Senior Mulvihill, Senior Catapult Glider and Senior P-30. He scored second in Small NosRub and 1/2A

Classic, fourth in Dawn Unlimited and put up the good fight in flew in Moffett. He set a national record, too, adding nine minutes to the Senior Mulvihill record on Tuesday!

Among the adults, either Frank Perkins, Ed Hardin or Scott Lapriak, had the best week. (You decide.) Ed won Small NosRub outright, scored second in Large NosRub and OT Rubber Cabin, third in Moffett and flew well in P-30, Mulvihill and OT Rubber Stick. Frank scored second in Small Mulvihill and P-30 and fifth in OT Catapult Glider and flew well in Catapult Glider. Scott won E-36 (against 28 actual fliers), scored sixth in B Gas and B NosGas and flew well in A NosGas, AB Classic, 1/2A Classic and 1/2A NosGas.

Your editor had a busy week and had enjoyed some success. I paired up with Don DeLoach and did *NatsNews* again. I won Jimmy Allen with my Skokie, scored third in P-30, Small NosRub and Embryo and suffered with my peers in Moffett, Dime Scale and Coupe. (I won the unofficial mass launch in Small Mulvihill, but in doing so, ruined the model for the official event the next day. I remain philosophical about it. The twenty-five dollar prize did spend well.)

Rounding out our merry band, John Yost flew mainly in the glider events and made some noise. He scored third in OT Catapult Glider and flew well in Catapult Glider and HLG. Big Jim Lewis didn't have his typical year, finishing off the podium all week. Regardless, he flew with gusto in OT Catapult Glider, Catapult Glider and HLG. Dohrman Crawford flung models skyward with vigor all week, but in the end, had little to show for it. Likewise, Dean McGinnis. Both commensurated mightily with their peers in B and C NosGas, OT Rubber Cabin, 1 Design Combo, E-36, Catapult Glider, 1/2A Classic, HLG, P-30 and Embryo. (Hey, I told you they were busy.) Gary was only in town for a couple of days, but he flew E-36, scoring twelve. He also gave a stirring talk at the banquet about the Hall of Fame inductees and touched on what our hobby and sport really means. Jim Jennings flew and trimmed all week and scored an eighth in Mulvihill.

At the banquet, Dean McGinnis said a delightful grace before we chowed down like field hands. (Yes, we do love the food at the Delaware Country Club.) I bring this up because I can't recall a time when more people have laughed so much during the saying of grace, and did it so appropriately. A masterful job, Dean!

THUMBS IN PRINT

The 2014 NFFS Symposium is out and highly recommended. Three Thumbs had parts to play therein. First, Frank Perkins has a fine paper on the electronic bits on his catapult glider. It's a product of several years' research and field-testing. It's a marvel, really, once you gaze into its innards. The paper is a fine example of technical writing and provides a first-rate description along with very good photography.

Secondly, Nick Ray has another fine technical paper on indoor propellers. He researched several types of construction employed in indoor propellers, using some very cool, virtual wind tunnel software. His findings are very interesting and point to more research. The graphics are pretty cool.

Lastly, Gary Baughman served as Chairman of the Hall of Fame Committee, and as such, provided a fine slate of HOF inductees. He announced at the banquet this was his last year, having served many years. He deserves a wide round of thanks for his service in this regard. His leadership made a difference.

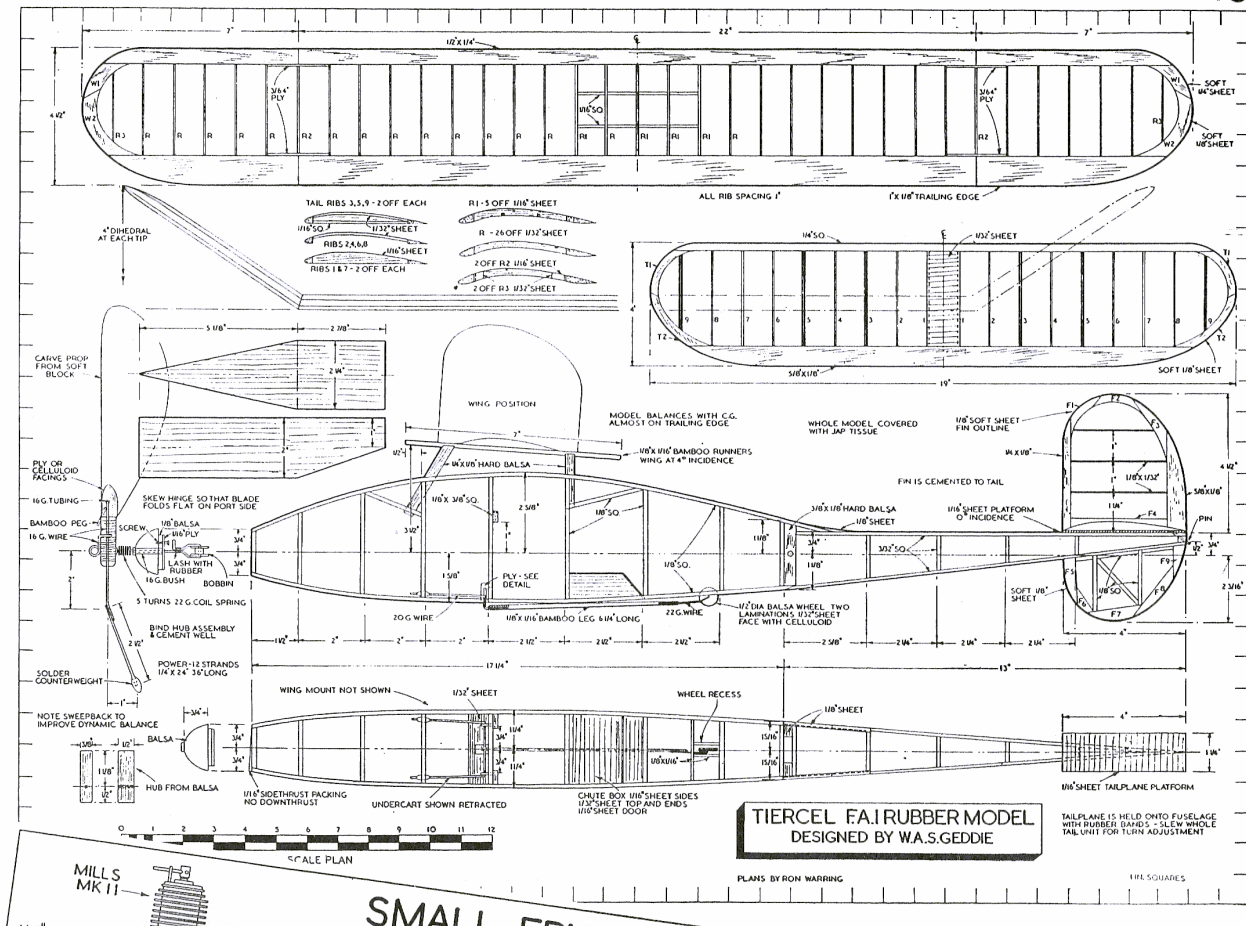
THE HITS KEEP COMING

Many moons ago, Bob Thoren mentioned to me that he flew a British vintage era (pre-1951) model called the *Tiercel* by Geddie a while back and had some contest success and lot of enjoyment. I filed the name away and kept an eye out for it in my meanderings about the Free Flight info-sphere. Imagine my delight when I ran across a great full page plan in one of Frank Hodson's books. It looks like a flier to me. (And Bob's example can be seen in a photo collage that follows.)

Back in his salad days, Bob flew it in Coupe and as a backup Mulvihill with more rubber. He mentioned he was going to build one for the club's British Lightweight EOY this year, and he had it

out and flying at the July contest. It didn't disappoint, in spite of the odd (and typical) wing airfoil. On numerous loops of modern rubber, it really scoots. And if the end-cap rule for SAM is changed to December 31, 1950, it might have a great future in OT Small Rubber Fuselage, assuming its ample cross-section is adequate (probably), and the projected wing area seems around 140 sq. in., measuring off the old Dell cathode ray tube, quick and dirty. If the rules don't change, it might raise a scare in Small NosRub. (I'd suggest a rearward CG—the stab is close to 50% of projected wing area, by my cipherin'.) A scan follows. Enjoy.

1948-50



MAKING A LIST AND CHECKING IT THRICE

Here are the high point totals through June. Let's call it halfway done for the year. There's still plenty of time to either gain or lose ground, depending on your inclination. Was it not ever thus?

Gary Baughman 29
 David Mills 26
 Karl Hube 16
 Richard Schneider 14
 Jim Altenbern 11
 Gary Morton 8
 Nick Ray 7

David Barfield 7
 Frank Perkins 7
 Dohrman Crawford 7
 Joe Ryan 4
 Bill Gowen 3
 Joe Ryan 3

WISDOM LEARNED

The dispersal of Frank Hodson's vast modeling estate continues. We're down to a few select groups of items and the nooks and crannies at this point. We managed to put several thousand dollars into Thelma's hands, and a lot of us have more cool stuff.

A few things were learned along the way. One being, yesterday's treasure can be today's junk. Time passes, and technology marches forward. The best example offered by Frank's stuff was his impressive cache of Astro Flight cobalt electric motors with gearboxes, along with spare parts and other paraphernalia. Not too long ago, these motors and gearboxes were the best on the market and widely used in all kinds of FAI categories. They're marvelous bits of engineering, finely machined bits of aluminum and steel, artfully anodized and quite lovely to look at. In their heyday, each one was worth a pretty good steak dinner and a couple of drinks. Now, still in the box and never used, you can't give them away. So far, about twenty guys have walked past them, picked them up and put them down. You can't give them away—no takers at this point. Presently, they sit in majestic repose on my TV table, free for the asking. Anybody want one?

NEXT ISSUE

Look for something early in October, after the two-day contest in September. Hopefully, we'll have the Turkey Shoot Flyer and other items of interest.

It's time to lower the curtain on this one. As always, I beseech the multitudes for contributions in the way of articles, plans, photos, rants and raves. Ciao, y'all!

2014 MID-YEAR TTOMA MEMBERSHIP FORM

Name _____ AMA # _____

Address _____

State and Zip Code _____

Other Family Members and AMA # _____

Telephone _____ E-Mail _____

\$12.50/yr. adults, plus \$1.00/yr. for all juniors and for additional family members in same household. Good up to 12/31/2014. Send check, payable to TTOMA, to: Karl "Karats" Hube/104 Smith Forest Ln./Alpharetta, GA 30004/770-886-0104. .

June FAC Contest Part 1

This is just a note to thank everyone who came to the FAC contest on the 21st. Those who came so far to be here deserve special thanks. We were beset by a breeze that blew in the wrong direction and dual sprinklers that worked against us. However, there were a lot of models and some really well done entries. The following picture is particularly gratifying. These guys did a great job, and it was fun to hear their chatter going as they were really into their work.

I offer an apology to everyone who attended because I had to leave just after noon. This is another story that follows in Part 2.



FAC Judges: left to right, J. Altenbern, G. Morton, O. Benton and R. Schneider

June FAC Contest Results

Rubber Scale

Gary Baughman	Cessna CR3	121
Ollie Benton	Lockheed Orion	80

Peanut Scale

Gary Baughman	Lacey M-10	114
Ollie Benton	Chambermaid	80
David Mills	Lacey M-10	63

Dime Scale

Gary Baughman	Waterman Racer	89
Ollie Benton	Farman 400	34

SCat Jet

Gary Morton	Bell P-59	82
Jack Coyle	F3D Skyknight	77

Embryo

Gary Baughman	Gonzo	167
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No-Cal Scale

David Mills	Lacey M-10	301
Gary Morton	Extra 400	170
Gary Baughman	Wildcat	91

Simplified Scale

Ollie Benton	Dornier Faulke	43
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Phantom Flash
Matthew Canady (J) 273

Earl Stahl Scale
Gary Baughman L-4

Racer Mass Launch
Gary Baughman Cessna CR3
Gary Morton Chambermaid
Jack Coyle Mr. Smoothie
Ollie Benton Chambermaid

Two Bit + 1
Jack Coyle FA Moth 100

WW II Mass Launch
Matthew Canady (Jr) P-51 Mustang
Jack Coyle Wildcat
David Mills Wildcat
Ollie Benton Barracuda
Gary Morton Kharkov R-10

Jimmie Allen
Ollie Benton Skokie 50
David Mills Skokie 43

Part 2

An Old Man and the Sun: A Cautionary Tale

I arrived at the sod farm at 8:00 AM. It was cool, and there was a very light drift from the south. We started the activity at 9:00 AM, and the breeze was still OK as the temperature began to rise. David Mills put up a couple of No-Cal flights that showed the drift swinging toward the river. Meanwhile, a moving-arm sprinkler unit was coming our way and another over near the lower entry gate started to come to life and roll across that area. So, we walked about a hundred yards away from the vehicles and shade tents to launch the 11:00 AM Racers Mass Launch.

The first round went well. As the flyers were retrieving their models, I began to feel a bit dizzy. I had on the appropriate big hat, a wet towel was around my neck and I had been gulping down water steadily, but something was wrong. It was obvious to me that it wouldn't be long, and I was going to do a face plant in the sod if I didn't do something. I handed the paperwork to Jim Altenbern and started the hundred-yard walk back to my vehicle. That was a long, slow journey. Air conditioning in the car and more water helped a little, but not enough. After about thirty minutes, I decided I could drive, and I headed home. Over the last five years or so, I have had a few issues with heat on the field, but nothing like Saturday. I made the two hour trip home safely and it took until Monday to finally feel normal. What had happened, and why didn't anyone else have the same problem?

In the past, I have asked my doctors if my health and/or medications made me more vulnerable to heat, and the answer was "Everyone is different." More to the point, they say most of us are conditioned to living in controlled environments that make us all vulnerable to heat effects.

However, my reading has led me to the conclusion that there are several health and medication issues that make me much more vulnerable to heat effects than most folks. In addition, information I found suggests that when the heat index hits 90°F things are getting tough! There are no hard and fast guidelines for dealing with the heat, but consider the following data.

As I left the farm and got out on Black Dirt Road, the temperature measured 88 °F. The field is often hotter than the road area, but I don't have a good field data point. If you check the weather measuring stations in the farm area, it is common to see humidity levels around 70% at mid-day and early afternoon. The white circle on the table below shows about where I think we were at 1:00 PM Saturday. We really don't know what the humidity is on the farm, but the sprinklers ran Friday and Saturday, and it rained both days. And don't forget the Chattahoochee River at the edge of the field—the place is covered up with moisture! Apparently, most folks can beat the heat in this example with water and Gatorade. Shade and a breeze can help, but we don't know how much, and you have to ask if a hot breeze does much good?

Frank Perkins and Dohrman Crawford sent me an overview of Sunday's conditions and the word "hot" appeared in both stories. Frank said his vehicle showed 92°F when he got ready to leave, and if you apply that data to the Heat Index chart, look at the results.

NOAA's National Weather Service

Heat Index Temperature (°F)

	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	110	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

Caution
 Extreme Caution
 Danger
 Extreme Danger

In this table, I have added a green circle delineating what conditions might have existed when everyone was leaving the field. The temperature tends to peak at about 4:00PM every day and this might be a possible scenario. Sunday afternoon, I saw heat index numbers for the area at 97 ~ 98°F, so the example above may be a bit high, but it is still plausible.

None of this is particularly definitive, but it shows what we might actually be facing at the farm. As you can see, when we walk on the farm in the morning, we are already in the edge of the "Caution" zone, and things move from there. I was clearly hit with heat exhaustion that came on really fast, and I thought I was prepared for the day. The stuff is dangerous!

Thanks to Jim Altenbern for stepping in to help me get in the car (hard to do on your own when you're staggering around) and to take over the paperwork for the day. Good man! Take care, evaluate your own possible heat issues and stay safe. Yours in the shade, Karl.

June 22 Outdoor Contest Report

It is probably to be expected that turn out would be light the day after a major contest. However, it can be said that those who were here on Sunday had a good time. Wind direction was a bit of a concern at times but never really caused us much trouble. A note of interest was the completion of the first 3 (as a minimum) participant Earl Stahl event since we began preparing for it last year. A Taylorcraft O-57, Wildcat and Skyfarer battled it out, and I am happy to report that my Skyfarer came out on top, although

not that far ahead of the Wildcat. See all results below and the photos of the day should be shown elsewhere in the newsletter. David Barfield, CD, reporting.

P-30

Frank Perkins E-Pirate 360
Joe Ryan Sparrowhawk 308
Jimmy Jordan NJAPF 277
Jim Altenbern Airshark 100

Old Goat Smack Down

Dohrman Crawford 262
Jim Altenbern 227
Matthew Canady (Jr) 184

OT Rubber

Jim Altenbern Miss Canada Sr. 17

Phantom Flash

David Mills 6

Catapult Glider

Jim Altenbern Straight Up 273
David Mills Straight Up 208
David Barfield S. Fried Buzzard 72

HLG

Dohrman Crawford Meercat 38 282
Jim Altenbern ?????? 87

Earl Stahl

David Barfield Skyfarer 148
David Mills Wildcat 138
Dohrman Crawford T-craft O-57 64

Jimmie Allen

David Mills Skokie 105

April Meeting Minutes

President David Barfield called the April 27, 2014 TTOMA meeting to order at 12:28 pm at the North Georgia Turf Farm. Six members were present.

Treasurer's Report

Karl Hube reported that the starting balance for the period was \$X,XXX.XX. Since that time, a deposit of \$787.00 was made which consisted of both entrance fees from the winter indoor contests and the early season membership renewals. Expenses during the period were \$1,847.91. The expenses were: donations to St Lukes, NFFS Education Fund, and a charitable donation on behalf of the sod farm owner (\$500/donation), \$102.27 for banquet awards, and \$150.00 for the 2014 club AMA Charter and \$95.64 for the sod farm Christmas baskets. David Mills made a motion to accept the report, and Dohrman Crawford gave a second. Members voted unanimously to accept the motion.

Secretary's Report

Karl Hube read the minutes from the October, 2013 meeting. No corrections or additions were recommended. David Mills made a motion to accept the minutes as read, and Dohrman Crawford made a second. Members voted unanimously to support the motion.

Old Business

David Mills reminded everyone of the estate sale of Frank Hodson's modeling estate to be held May 3 at the Hodson home.

New Business

A discussion took place regarding the club web site. It is difficult for anyone to receive bits and pieces of information from several club members and then fit the information into the web site, plus do all maintenance on a timely basis. Currently, Stephanie Brown has volunteered to do the job, but she lives a busy life which may make the web site maintenance a burden. More thought has to go into this part of the club promotion.

David Mills pointed out that new FAI rules for F1D are being considered. The rules increase airframe weight and reduce rubber motor weight for an overall performance reduction.

There being no further business to conduct, the meeting was adjourned at 12:30 pm. Respectfully submitted by Karl Hube, secretary.

May Meeting Minutes

President David Barfield called the May 18, TTOMA meeting to order at 12:00 noon at the North Georgia Turf Farm. Six members were present.

Treasurer's Report

Karl Hube reported that the starting balance for the period was \$X,XXX.XX. Since that time, a deposit of \$95.00 was made which consisted of both entrance fees from the April indoor contest (\$30), April outdoor contest (\$40) and one membership renewal (\$25). The one expense during the period was \$400.00 for all the 2014 sanctions leading to a final balance of \$X,XXX.XX. Dohrman Crawford made a motion to accept the report, and David Mills gave a second. Members voted unanimously accept the motion.

Secretary's Report

Karl Hube read the minutes from the April, 2014 meeting. No corrections or additions were recommended. David Mills made a motion to accept the minutes as read, and Dohrman Crawford made a second. Members voted unanimously to support the motion.

Old Business

At the last meeting in April, a short discussion about how to work with our club web site took place. David Barfield offered an interesting way to make changes. He suggested that all static data about the club be posted on the web site, which would then need little ongoing maintenance. This would involve things like what we do and where we fly as well as the current year's scheduled contests. Dynamic data like fresh photographs, contest scores, etc., could be posted to our Facebook page. Readers do not have to join Facebook to see all the page information. This idea will be studied in more detail.

New Business

David Mills gave a report on the participation of TTOMA in a STEM School (Science, Technology, Engineering, and Mathematics) event in Marietta which has been spearheaded by Gary Baughman. David said the event was impressive and well attended. Models were flown overhead, and a lot of questions were asked by visitors. Dohrman and David pointed out that the club was at a disadvantage because of the lack of printed material to hand out. Items like contact information and flying locations are needed. David Barfield indicated that he knew a way to print such information, and this will have to be added to our plans. The STEM and indoor flying programs are a major way we can contribute to creating technical interest among young people.

David Mills reminded of the Estate Sale Part 2 at the Hodson home on May 24.

There being no further business to conduct, the meeting was adjourned at 12:30 pm. Respectfully submitted by Karl Hube, secretary.

June Meeting Minutes

Club President David Barfield called the meeting to order at 12:22 pm, June 22. Seven members were present. The Secretary/Treasurer did not attend the meeting (due to illness), so there was no financial report or May minutes available.

Old Business

Jim Altenbern asked how the website was working. Jimmy Jordan stated that he had trouble finding out when the FAC meet was to be held. Frank Perkins stated that all the dates were on the Facebook page, and Jimmy stated that the website was important since a lot of modelers are not on Facebook. David Barfield said that the website is back up and that Stephanie Brown has made all the changes requested. No further discussion was made.

Dohrman Crawford said all sanction problems with AMA should now be fixed and that he would say "Thank you" to Jamie Korn for all her work and help.

New Business

David Mills made a count of TTOMA members who will be going to the Nationals. David also inquired about Jim Walston and his business. David said that several people across the USA had asked him about the business and Jim's health. No one had any definitive information.

There being no further business, a motion to end the meeting was made by Dohrman Crawford, seconded by David Mills and approved by unanimous vote. The meeting ended at 12:40 pm. Respectfully submitted by Jim Altenbern, VP.

THUMBS AT THE NATS



JULY AND JULY OUTDOOR SCENES



Georgia State Indoor Records - FAI Classes

Last Updated 07/19/2014

Event	Ceiling Category	Record Type	Endurance	Date	Name	Location	National Record?
F1D (1.2 g)	Cat I	Single Flight	28:18.0	5/10/2014	Ray, Nick	St. Luke's	yes
	Cat II	Single Flight	15:10.0	4/14/2007	Ray, Nick	North Cobb	-
F1D (1.4 g)	Cat I	Single Flight					-
	Cat II	Single Flight					-
F1L	Cat I	Single Flight	14:18.0	6/15/2013	Gowen, Bill	St. Luke's	-
	Cat II	Single Flight	13:04.0	1/20/2007	Gowen, Bill	North Cobb	-
F1M	Cat I	Single Flight	15:21.0	3/15/2014	Gowen, Bill	St. Luke's	yes
	Cat II	Single Flight	10:07.0	4/16/2005	Gowen, Bill	-	-
F1R/35CM	Cat I	Single Flight	21:44.0	8/25/2012	Finn, Joshua	St. Luke's	-
	Cat II	Single Flight	-	-	-	-	-

Georgia State Indoor Records - AMA Classes

Last Updated 07/19/2014

Event	Ceiling Category	Record Type	Endurance	Date	Name	Location	National Record?
EZB	Cat I	Single Flight	21:04.0	12/8/2012	Lee, Yuan Kang	St. Luke's	-
	Cat II	Single Flight	12:35.0	5/17/2003	Gowen, Bill	-	-
ROG Cabin	Cat I	Single Flight	-	-	-	-	-
	Cat II	Single Flight	-	-	-	-	-
Intermediate Stick	Cat I	Single Flight	13:26.0	3/17/2012	Finn, Joshua	St. Luke's	-
	Cat II	Single Flight	10:56.0	10/21/2000	Barker, John	-	-
HLS	Cat I	Single Flight	28:18.0	5/10/2014	Ray, Nick	St. Luke's	-
	Cat II	Single Flight	15:10.0	4/14/2007	Ray, Nick	North Cobb	-
A-6	Cat I	Single Flight	07:53.0	6/15/2013	Gowen, Bill	St. Luke's	yes
	Cat II	Single Flight	05:07.0	3/18/2000	Lavender, Tim	-	-

AROG	Cat I	Single Flight	-	-	-	-	-
	Cat II	Single Flight	-	-	-	-	-
LPP	Cat I	Single Flight	10:25.0	4/21/2012	Gowen, Bill	St. Luke's	-
	Cat II	Single Flight	10:27.0	3/22/1987	Klemetsen, Howard	-	-
OPP	Cat I	Single Flight	12:17.0	9/10/2005	Gowen, Bill	Chamblee	-
	Cat II	Single Flight	11:08.0	4/16/2005	Gowen, Bill	North Cobb	-
Ministick	Cat I	Single Flight	09:19.0	7/19/2014	Finn, Joshua	St. Luke's	-
	Cat II	Single Flight	06:52.0	5/19/2001	Downs, Sandy	-	-
Helicopter	Cat I	Single Flight	06:09.0	11/19/2011	Finn, Joshua	St. Luke's	-
	Cat II	Single Flight	01:46.0	10/30/1999	Perryman, George	-	-
Ornithopter	Cat I	Single Flight	02:13.0	?	Singer, Len	-	-
	Cat II	Single Flight	02:34.0	4/22/2002	Goins, Chris	-	-
Std CLG	Cat I	Best 2 of 9	01:35.9	1/11/2013	Gowen, Bill	St. Luke's	yes
	Cat II	Best 2 of 9	01:33.7	3/4/2006	Gowen, Bill	North Cobb	-
Uldt CLG	Cat I	Best 2 of 9	01:35.9	1/11/2013	Gowen, Bill	St. Luke's	yes
	Cat II	Best 2 of 9	01:24.5	3/17/2007	Gowen, Bill	North Cobb	-
HLG	Cat I	Best 2 of 9	01:20.4	11/19/2005	Gowen, Bill	Chamblee	-
	Cat II	Best 2 of 9	01:20.1	3/4/2006	Gowen, Bill	North Cobb	-
Bostonian	Cat I	Best 2 of 6	04:39.0	4/24/1999	Lavender, Tim	-	-
	Cat II	Best 2 of 6	05:35.0	10/21/2000	Barker, John	-	-

Georgia State Indoor Records - FAC Events

Last Updated 07/19/2014

Event	Ceiling Category	Record Type	Endurance	Date	Name	Location	National Record?
10 g FAC Embryo	Cat I	Total of 3	06:02.0	3/13/2004	Dixon, Brook	Chamblee	-
	Cat II	Total of 3	05:42.0	4/22/2000	Barker, John	North Cobb	-
FAC Nocal	Cat I	Total of 3	08:07.0	2/21/1998	Perryman, George	-	-
	Cat II	Total of 3	08:44.0	4/14/2001	Perryman, George	-	-
FAC Dimescale	Cat I	Total of 3	03:57.0	2/1/1997	Barker, John	-	-
	Cat II	Total of 3	03:04.0	9/22/2001	Barker, John	-	-
FAC Phantom Flash	Cat I	Total of 3	05:39.0	6/28/2014	Finn, Hope	St. Luke's	-
	Cat II	Total of 3	-	-	-	-	-

Georgia State Indoor Records - TTOMA Special Events

Last Updated 07/19/2014

Event	Ceiling Category	Record Type	Endurance	Date	Name	Location	National Record?
SAM Phantom Flash	Cat I	Single Flight	04:25.0	4/5/1997	Perryman, George	-	-
	Cat II	Single Flight	03:05.0	4/22/1989	Perryman, George	-	-
Hangar Rat	Cat I	Best 2 of 6	06:03.0	9/26/2009	Finn, Joshua	Ward Rec.	-
	Cat II	Best 2 of 6	07:51.0	5/18/2002	Perryman, George	-	-
Chattahoochee Challenge	Cat I	Single Flight	03:19.0	12/11/1999	Perryman, George	-	-
	Cat II	Single Flight	05:44.0	10/30/1999	Perryman, George	-	-
Butterfly	Cat I	Single Flight	01:54.0	12/7/2002	Perryman, George	-	-
	Cat II	Single Flight	02:13.0	4/22/2000	Brock, Wayne	-	-
P-24	Cat I	Single Flight	-	-	-	-	-
	Cat II	Single Flight	02:00.0	9/1/2000	Bakay, Carl	-	-
TSA	Cat I	Single Flight	02:00.0	3/13/2004	Ray, Nick	Chamblee	-
	Cat II	Single Flight	-	-	-	-	-
Science Olympiad 8 g ROG	Cat I	Single Flight	04:00.0	4/25/2003	Goins, Chris	-	-
	Cat II	Single Flight	04:39.0	4/5/2003	Goins, Chris	-	-
Science Olympiad 8 g 2004 "C" Division	Cat I	Single Flight	04:30.0	11/22/2003	Goins, Chris	-	-
	Cat II	Single Flight	-	-	-	-	-
Science Olympiad 8 g 2004 "C" Division w/ribbon drop	Cat I	Single Flight	04:42.0	10/25/2003	Goins, Chris	-	-
	Cat II	Single Flight	04:59.0	3/27/2004	Goins, Chris	-	-

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