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913-492-4830
Vice President: Mike Schmidt
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HEART OF AMERICA FREE FLIGHT ASSOCIATION

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DISPATCH AUGUST 2012

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Schedule of Flying Events

Date	Day	Location	Time	Notes
Aug. 6-10	Mon.-Fri.	Muncie, Indiana		Outdoor Free Flight Nationals
Aug. 21*	Tues.	School, 143rd & Black Bob	6:30PM	Outdoor
Sept. 11*	Tues.	School, 143rd & Black Bob	6:30PM	Outdoor
October 6-7*	Sat.-Sun.	**Marion, KS**		**HAFFA Annual Outdoor Contest**

***** indicates official HAFFA event/activity

HAFFA Indoor Site Locations:

Ozanam Gymnasium	Kansas City College & Bible School	Osawatomie City Auditorium
421 E. 137th St.	7401 Metcalf	425 Main St.
Kansas City, MO	Overland Park, KS	Osawatomie, KS

For Outdoor flying information contact Mike Basta (913-492-4830)
For Indoor flying information contact Emil Schutzel (913-341-7788)

1. Osawatomie reserves the right to cancel our reservation if they get a paying customer.

INDOOR FLYING SITE FEE UPDATE:
This is a reminder that our indoor flying fee is $10/person.

Misc. by the editor

This year Larry Coslick from St. Louis drove to Kansas City where he & Emil Schutzel packed all their flying paraphernalia into Emil's Subaru & drove to the Kibbie Dome in Moscow Idaho for a five day indoor free flight contest inside an enclosed football field.

Larry is one of the top indoor flyers in the country , holds many national records & has shared his techniques in Free Flight publications.

They both did very well at the contest as you can see from the results later in the newsletter. Worthy of special note are Emil's 13 Min. 11 Sec. Mini Stick time & Larry's 29 Min. 12 Sec. EZB time.

Emil was able to ask hundreds of free flight questions during the long trip both way & I am sure he will be trying some new things on us this year. We have unofficially adopted Larry & we hope he will come fly with us when the indoor season begins.

Emil is currently working on the indoor schedule & it should be published in the next newsletter.

Monthly meetings 7/17/2012 by Dana Field

The June flying meeting was blown out. Only Jeff Renz and Mike Basta showed up at the flying field to 20 – 30 mph sustained winds and 40 – 50 mph gusts. There were no flights, understandably.

July 17, Mike Basta, Lynn Chaffee, Jeff Renz, Dana Field, Ralph Carlson, and Abe Gallas showed up for the flying meeting, which proceeded a short business meeting held in the approaching darkness after spirited flying. Lynn Chaffee actually came early to trim his Half a Wake before competition, and managed to break out the front end before anyone else got there. He remains the only one with a completed kit, so again, there were no Half a Wake flights for championship points! Conditions were actually pretty good for flying. It was hot with a light breeze from the south. So drift was not too bad. Competition was again close, going down to the end, with the exception of Dana Field's 58.3 second CLG flight. Mike Basta beat out Jeff Renz by 0.7 seconds on his last flight for second in CLG. In HLG, Mike Basta put up some impressive flights with his discus launch gliders, but since he was the only one flying discus, he switched to a javelin launched glider and came from behind to edge out Jeff Renz on his last flight to win HLG. Dana Field put up a 14.7 second flight by throwing his Stinger CLG for third a get a couple of Championship points. This was a couple of seconds better than he managed with a North Pacific Stunt Flyer which had a wing that kept coming off when thrown hard. Get you guys next month with a real glider! Going into August, Mike Basta, Dana Field, and Jeff Renz are all tied with 11 points! It should be interesting! (and fun!)

While we were flying, one of the persons who signed up for information at the Maker Faire in June showed up at the field. Dianne had sent out a welcoming letter from Mike, with the meeting times and an invitation to attend. Steve Brown, from Ottawa, Kansas, made the drive, helped time a bunch of flights, and signed up and paid his dues. A new member – Welcome to HAFFA Steve Brown! Steve is recently retired and wants to get back to flying FF. He currently has a Ranger about ready to go, and maybe we can get him interested in some of the other events we like to fly. Don't know about indoor yet.

When it was too dark to fly, Mike Basta called a brief meeting. Meeting was called to order at 8:40 pm.

Old Business

1) The minutes from the May, 2012, meeting were read and accepted.

2) Lynn Chaffee gave a treasurers report. We received $10.00 for half year dues from Steve Brown at the meeting. The report was accepted.

New Business

1) The fall meetings for at least September and October will be moving from the JC Corinth Branch Library to the JC Main Library at 9875 W. 87th in Overland Park because the meeting room at the Corinth Branch was already scheduled for our meeting nights. Those meetings are scheduled for September 18 and October 16.

2) There was some discussion about having our club meetings at a restaurant like the Colorado and Wichita clubs. Various venues were discussed, like Zarda's, where we have met before. Some people were for it (their wives would come), and it was discussed that there were also some who would not like the meal expense. It was decided to bring this idea up at the September or October meeting to have more input from more members before making any decisions.

3) HAFFA participated in the Maker Faire at Union Station on June 23 & 24. Mike Basta, Lynn Chaffee, Dana Field, and Jeff Renz participated, along with Dana's fiancé Doris and Jeff Renz wife Peggy. See the attached article, which has been sent to NFFS for the Digest, for details. Steve Brown, from Ottawa, has joined HAFFA as a result of our participation, and there were a total of 15 persons signing up for information on HAFFA who are more potential new members.

4) On Sunday, July 15, Mike Basta and Dana Field led a Delta Dart building session to a youth group at the Walulla Christian Church in Lansing. It was another miserably hot day which cut the attendance from the expected 20 – 25 to 10. None the less, a good time was had and 12 Delta's were built and flown, both indoors and out.

5) We had our usual discussion on potential new flying sites. The possibility of flying at the Ottawa Airport, where we once had our contest, was discussed. Steve Brown said he would check with the current powers that be about this. The possibility of flying at Vineland Airport, which has a grass runway, was also discussed, and dismissed because it is too narrow.

Meeting was adjourned at 9:15.

Next meeting is flying at the school field in Olathe on August 21.

Free Flight News

New Cat. 4 F1D Record *(Part one)* by Dennis Tyson

I had the great pleasure to observe the wildest record flight I've seen yet. Of course it was Sanborn. There were no hangups, no tail slides, no last minute heroics. It was a flight that almost ended. Brett launched in the center of the Hangar and then by the time he topped out at around 140' he had drifted all the way down to the East Door. Parker clocked a 1:00 steer back to the center of the room. The plane then drifted to the north wall, and after Brett steered it back to the center a few times, it decided to see what was happening on the far west end of the hangar. Brett almost asked Parker to stop the clock at around 27 minutes and balloon it down. He decided instead to steer it back to the center of the hangar. Since it had explored the rest of the hangar, it decided to check out the south wall and start drifting back toward the east. It paused, literally hovered over the tent drier as if it was deciding which way to go finish out the flight. One more steer was necessary and it finally came to rest with a time of 39:15! (After over 2 minutes of prop stop was subtracted) Did I mention it dead sticked from 20'! To make it even stranger, Brett broke a few motors before going to his box of pre-made motors and selected one that he didn't even remember the origin of. Just some random 5/99 .050 motor hanging around in the box for an unknown amount of time. It was spectacular and I was glad to be there to witness it.
We'll see what tomorrow brings.

Brett Sanborn new f1d cat 4 record!! *(Part two)* by Ben Saks

42:03 at lakehurst. Not a typo.

We have the whole flight filmed for Float. (An indoor Free Flight Documentary in the making-editor)
Brett had some early trouble with his motorstick, but once the problem was solved he was on track to put up some full motor flights. Starting around 5PM was the first flight. The temps inside the hangar were HOT. Very calm air for Lakehurst standards, minimal drift. This flight climbed to about 150 feet and landed with a few too many turns for a 38 something. After some discussion about how to gain a minute, Brett rewound the same motor again and put up flight 2 after minor adjustments. This flight had a beautiful climb, with a controlled circle and a high torque launch. The plane quickly climbed up to about 160-170 feet, a conservative height for the hangar. The plane climbed in the center and after drifting slowly towards the south wall, was steered back to center where it stayed for the remainder of the flight. At about the 30 minute mark the plane was still above 100 feet! As the plane descended, it was flying over the carrier deck which stands about 15 feet off the floor. Brett made a great steer with the pole to move the plane out to the open floor, where it landed with nearly no turns left. Not more than 15 minutes after the flight a huge thunderstorm hit the hangar with wind, rain and lightning. It was by all means, a perfect flight. Congrats again to Brett, who worked very hard to develop his new F1D program for the WC. His hard work is surely paying off!

F1L Cat1 record trial by Akihiro Danjo

Today, I did F1L cat1 record trial at a 7.4 meters ceiling gym in Tokyo. Current record is 19mins 39secs.
Today's best time was..... 19mins 40secs!! At any rate, this is a New World Record!
It took 11 years to improve ONE second. I could break the record at the last flight. It was a hardest record trial for me.
Good flying, Aki

HAFFA 2012 Outdoor Club Contest Results/Standings

CLG – Best Time	May 15	June	July	August	September	Points
Dana Field	41.6 sec	blown out	58.3 sec			5
Jeff Renz	33.7 sec	---------	27.1 sec			3
Mike Basta	30.6 sec	---------	27.9 sec			4
Lynn Chaffee	4.3 sec	----------	12.9 sec			1
Ralph Carlson	-------	----------	16.4 sec			2

HLG* – Best Time	May 15	June	July	August	September	Points
Dana Field	------	--------	14.7 sec			2
Jeff Renz	31.4 sec	---------	20.8 sec			3
Mike Basta	29.5 sec	----------	22.3 sec			4
Lynn Chaffee	------	----------	2.4 sec			1

*May fly either javelin or discus launch, but points only awarded for participants in that category.

½ Wake – Best Time	May 15	June	July	August	September	Points
Dana Field	------	---------	--------			
Jeff Renz	------	---------	--------			
Mike Basta	------	---------	--------			
Lynn Chaffee	------	---------	--------			

Standings	May Points	June Points	July Points	August Points	September Points	Total Points
Jeff Renz	5	---------	6			11
Dana Field	4	---------	7			11
Mike Basta	3	---------	8			11
Lynn Chaffee	1	---------	2			3
Ralph Carlson	----------	----------	2			2

HAFFA Participates in Second KC Maker Faire by Dana Field

The weekend of June 23 & 24, 2012, the Heart of America Free Flight Association participated in the Second Annual KC Maker Faire held in KC's cavernous Union Station. For those of you not familiar with Maker Faire's, and before this I was among you, they are a sort of "geek fair" held around the US, and parts of the world, sponsored by a California company called "Maker". The object for Maker is to sell their kits (which included a repro Jimmy Walker folding wing glider, one of which I now possess) and make a profit, but they also sponsor competition for high school teams to do all sorts of geek things. At this one, teams were building robots to shoot basketballs. There were hundreds of technology type exhibitors and vendors, which included everything from a woman carvings bows and arrows with prehistoric tools to laser etching machines. One vendor was selling chemistry kits, including one for making your own black powder. Between 10 and 20 thousand people were expected to attend, despite above 100 degree temperatures, and, from the crowds I saw, attendance met expectations. Both of the halls were filled, and there were more vendors set up outside as well. Why were we there? Our booth was at the bottom of Science City, a really neat and interesting attraction that appeals to both children and adults. We were set up to make foam plate gliders, specifically the FPG9 glider, and there was an area in back of our booth where the kids (and some adults) could fly them. This involves predrawing lines with a Sharpie from a pattern on a nine inch foam plate (about a penny apiece when bought in bulk at Costco or Sam's), cutting it out with scissors, and taping a penny in place for balance - total cost about 2 cents each, and they fly surprisingly well! We went through about 400 plates during the two days, and were told this was one of the favorite activities for the kids in the Science City venue. We have already been asked to come back next year, which we plan to do.

Out of this we had fifteen people sign up for more info about HAFFA, most or all of whom were given club brochures and a pep talk. This included former and current modelers, and some kids with their parents. One of these made our flying session last week and is now a paid up new member of HAFFA. Bottom line – this was a lot of fun, and is a great way to get out in front of a lot of new people and potential freeflighters, and walking around the fair for free was most interesting. I would encourage anyone with a "Maker Faire" in their area to contact them and get involved. You can find out all about it by going to Maker Faire online. Oh, even better, since we were not a vendor selling anything, it cost us nothing but our time.




AMA 9507
LEARN
Maker Faire
Free Flying Model Airplanes
HAFFA
Heart of America
Free Flight Association


MAKER
06/23/2012

FAI Model Supply



FAI Model Supply owners, John and Sally Clapp, proudly announce the sale of their business to Charlie and Geralyn Jones, effective June 29, 2012.
Charlie, Geralyn and their sons, Ryan and Kyle, are avid modelers. Charlie is a life-long free flight modeler, currently enjoying competition in F1G and F1B events. He and the boys have represented the USA team in several World Championships for the last 10 years. Kyle is a Silver and Gold team medalist, Charlie has won the bronze in the individual 2009 Croatia World Championships. They are enthusiastic about the sport as well as carrying on the FAI Model Supply name and service.
Geralyn has a long time interest in free flight and has served in various management capacities in manufacturing, accounting, event planning and knowledgeable in webpage design and development. She is also active in many community fund raising events. She and Charlie head up fund raising for the U.S. Junior Free Flight Team.
The Jones family is an excellent choice to carry on and expand the tradition of FAI Model Supply.

****Please note there will be a two week transition period.** ****

We extend our sincere thanks to all our national and international customers for their many years of loyal business and wish each and every one of you continued success in your modeling endeavors.
See you on the flying field.
Sincerely,
John and Sally Clapp

From: **John McGrath** <johnmcgrath2@comcast.net>
Date: Jun 4, 2012 11:21:34 PM
Subject: FW: **Laser-Cut Planes**
To: mdb713@everestkc.net

Dear Mr. Basta—Please pardon the direct marketing. I got your email address from the NFFS website. I realize you're the outdoor point of contact, but perhaps you would be kind enough to forward this to your indoor counterpart.

My name's John McGrath and I operate a (very) small business called Laser-Cut Planes, which grew out of my desire to provide quality kits to an under-served population—indoor free flight sport modelers. I realize we're well into the outdoor season, but I'm trying to keep those indoor embers burning throughout the summer anyway.

For quite a few years I drafted, cut, flew and sold kits to schools and students involved in Science Olympiad events with moderate success at the regional and state level here in Colorado and elsewhere. During the past couple of years I've been concentrating on a line of sport fliers ranging from ex- Sci-Oly models (that are still pretty nice fliers) to most recently a semi-kind-of scale motorglider kit that's been doing pretty well. (The Meadowlark). I've got seven kits in the active collection at the moment, the latest of which is a sport pennyplane. Two more kits are on the way soon—a 22-inch ROG Playboy (called "PBR") and an A-6 called the Prowler.

I have a strong interest in helping kids (of all ages) get a successful start in indoor FF. After assisting with some Dart mass-build sessions a couple of summers ago I was kind of frustrated by the experience. That prompted me to design something that builds better-- and flies a whole lot better. Doesn't cost better yet but I can do a pretty good deal in bulk. That's the Mountain Lion. I'm pretty proud of it and think it serves a genuine need with kiddos and beginners.

If you'd care to check out the website, I'd appreciate the visit. Here's a link: http://lasercutplanes.com/

If I can answer any questions for you about the kits, group discounts or future plans, please don't hesitate to send me an email. Thanks very much for your time, and I hope you and the club are having some great flying this summer.

All the best,

John McGrath

Laser-Cut Planes

Kibbie Dome, Moscow, ID Results

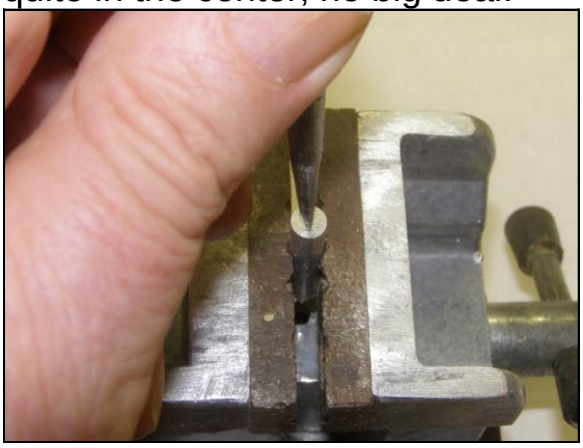
Place	Limited Pennyplane	Time
1	Royce Chung	13:42
2	Michael Altig	13:37
3	Ed Berray	13:26
4	Tim Chang	13:18
5	Leo Pilachowski	13:14
6	Lou Young	12:58
7	Jon Sayre	12:00
8	Chris Borland	11:58
9	Ron Patten	10:08
	Pennyplane	
1	Jon Sayre	10:38
2	Michael Altig	10:36
	EZB	
1	**Larry Coslick**	**29:12**
2	Y.K. Lee	28:22
3	Kurt Schuler	24:33
4	Andrew Tagliafico	23:02
5	Jake Palmer	18:52
6	Jeff Annis	17:48
7	Michael Altig	14:14
	Hobby Shopper 0.6g EZB	
1	**Larry Coslick**	**24:11**
2	Wally Miller	23:00
3	Jake Palmer	21:51
4	Y.K. Lee	21:48
5	Andrew Tagliafico	19:59
6	Steve Brown	19:14
7	Jeff Annis	14:26
	35 CM	
1	**Larry Coslick**	**26:30**
2	Ed Berray	20:23

Place	Wally Miller 1/2A	Time
1	Jake Palmer	12:37
2	**Emil Schutzel**	**11:33**
3	Wally Miller	10:58
4	Ed Berray	10:13
	A ROG Stick	
1	**Larry Coslick**	**18:40**
2	Ed Berray	17:24
3	Wally Miller	16:05
	A-6	
1	**Emil Schutzel**	**9:02**
2	Michael Altig	8:25
3	Ed Berray	7:20
4	Andrew Tagliafico	7:14
5	Chris Borland	6:40
	Intermediate Stick	
1	Tim Chang	35:02
2	**Larry Coslick**	**34:55**
	Mini Stick	
1	**Emil Schutzel**	**13:11**
2	Royce Chung	11:22
3	Jeff Annis	10:40
4	Ed Berray	10:32
5	Lou Young	10:19
6	Michael Altig	5:39
7	Chris Borland	5:23
8	Siddharth Garnala	3:35
9	Charles Dorset	2:25

Place	F1L EZB	Best	Second	Total
1	Steve Brown	20:53	19:34	40:27
2	Leo Pilachowski	20:19	18:18	38:37
3	Andrew Tagliafico	18:23	18:13	36:36
4	Ed Berray	17:17	17:01	34:18
5	Wally Miller	16:42	16:37	33:19
6	Jeff Annis	16:34	16:04	32:38
7	Michael Altig	16:14	14:28	30:42
8	Chris Borland	15:28	14:15	29:43
9	**Larry Coslick**	**12:15**	**12:18**	**24:33**
	F1D			
1	Jake Palmer	27:00	25:31	52:31
2	Leo Pilachowski	26:15	25:49	52:04
3	Tim Chang	22:50	22:48	45:38
4	Royce Chung	19:56	16:58	36:54
5	Chris Borland	10:58	9:17	20:15
	Tip Launch Glider			
1	Jon Sayre	1:30	1:30	3:00
2	Ed Berray	:36	:35	1:11

Solderless Freewheeling latch by Hank Sperzel

Here is my version of a solderless Freewheeling latch. It is very easy to make with simple hand tools.
Take a short length of 3/16" Aluminum rod (KSB) and mount it vertically in a vice. That "V" in the jaws keeps it vertical and with a center punch pricked the center. I used my drill press to drill a 3/32" hole about 3/8" deep and tapped it for a 4-40 set screw. If it's not quite in the center, no big deal.



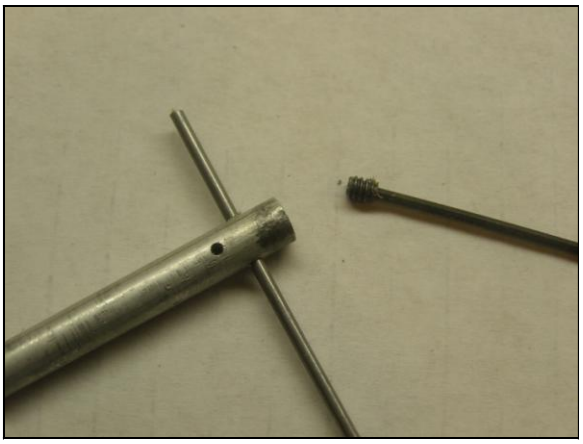
Center Punching

Using the center punch mark about ¼' in from the tapped end and drilled a 1/16" hole, or what ever size of prop shaft you use thought the rod.



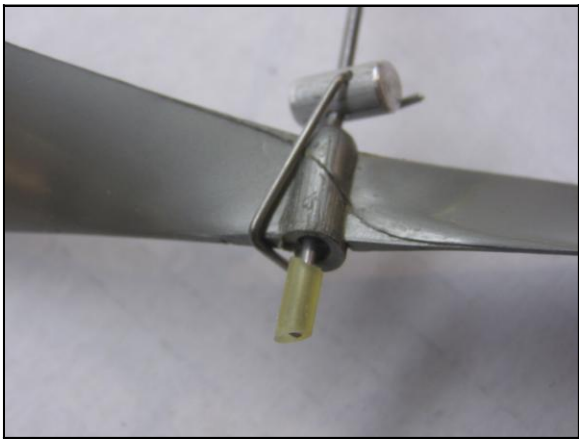
Drilling the hole for the prop shaft

Rotate the rod 90% and drill a 1/32" hole about ¼" from the prop shaft for the bale.



Prop shaft installed and the hole for the bail drilled.

Insert a short piece of 1/32" wire for the bale and bend a "Z" like this. Put the prop on the shaft before making the last bend to insure the bale is long enough.



The completed unit with the prop installed.

The short piece of rubber tube is to keep the prop from falling off. File a flat on the prop shaft for the set screw to secure the latch.