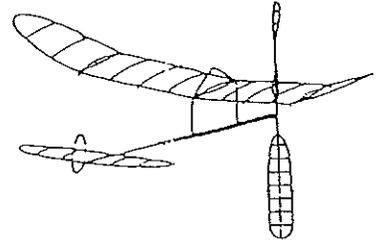


ISSUE #132
FALL
2011

INDOOR

NEWS and VIEWS



FROM THE EDITOR'S DESK

Issue #132 looks like we have a lot of good info for you plus some products you may find handy and or interesting. Right off the bat we have the big shoot out in California, in the big blimp hangar in Tustin. The first record trials in November, 26, 27 & 28. Three days of non stop indoor flying for all types of indoor models, see the add on the next page. Then to top it all off, there is the December extravaganza, 26, 27, 28, 29 & 30. I have a feeling Ralph Ray is behind this with Stan Buddenbohm right on his heels. Something about a two minute Catapult glider flight. If you're an indoor flier and can get to Tustin, this is where you want to be. It's record setting time.

Our next hot item can help you to set some records. It's a new revolutionary winder. It has a chain that drives the winder shaft. It is very smooth, is 20 to 1 and is very affordable. Just the thing for Christmas. It is the brainchild of Art Holtzmann, who has put much R&D time into the product and now gives us another choice in winders.

This next item gives you another chance to use your new gear driven winder. It's the International Postal Contest for EZ-Bs and A-6s. The Brainbusters have decided to run this contest at least one more time. It runs 1 January to 31 March 2012, so you have oddles of chances to use your new winder and fly indoors. See how we can help you do things.

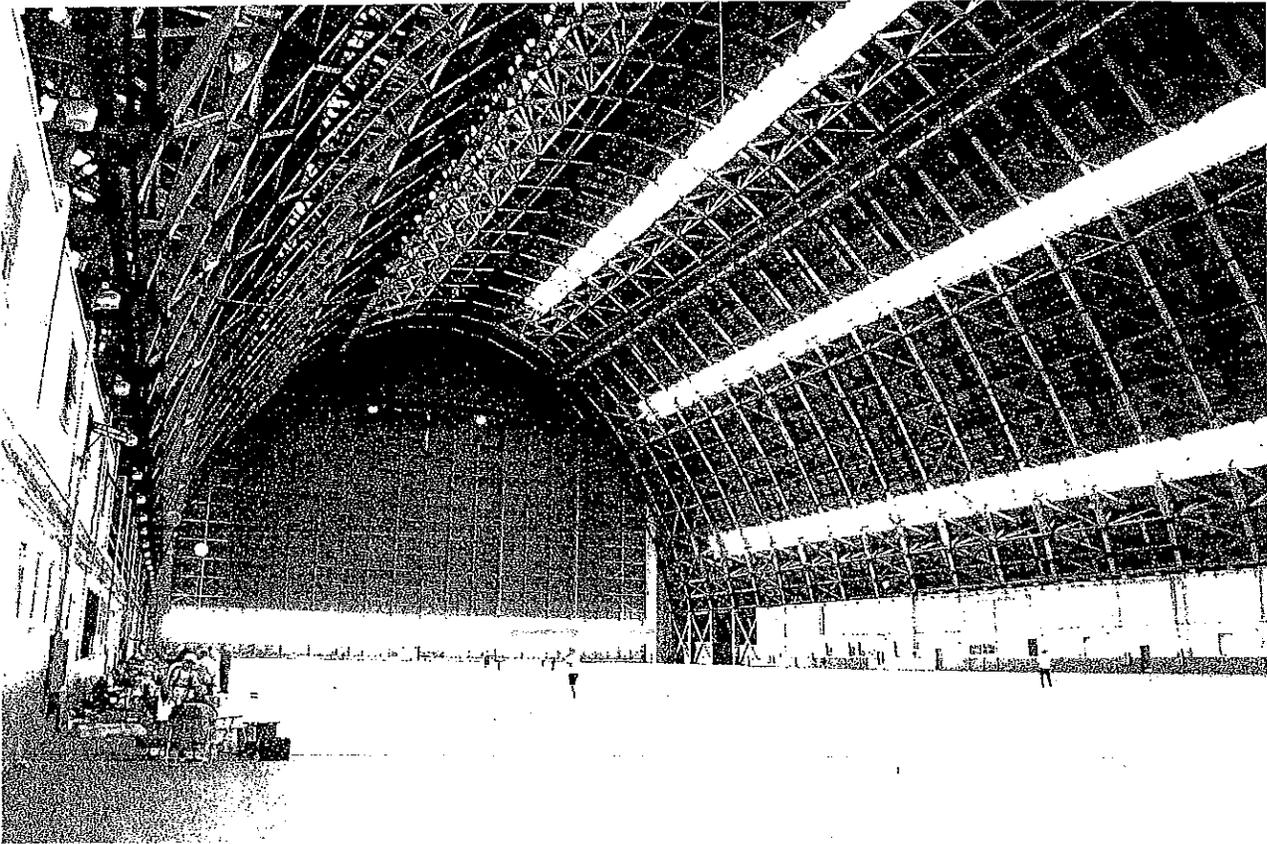
On this next item I have to apologize to Brett Sanborn for not recognizing his record setting flight at Lakehurst at the USA F1D team selection finals. Brett's 38 minutes & 36 seconds, thereby besting John Kagan's record. Brett and John are 1 & 2 on the USA F1D Team.

We still have more. Observe The European F1D times at their Championship Contest. They compare with us and when we're on their turf it's tougher than at home. Our guys have the stuff to beat them and they can do it with our support. When the time comes for donations, chip in as best you can, The AMA cannot pay all costs we need to help as well. Big hint

More yet: I have put expiration dates on about 99% of our subscription base and red Xs on a lot of newsletters. If you feel I have cheated you, (my words) please call or E-mail me and we'll work it out. E-mail VanDover@cox.net Tel 1-757-877-2830. Thank you.

More again. Not so good news. East Tennessee State University has installed 10 banners by the scoreboard in their Minidome. It will really hurt our indoor flying. We have dedicated people that are trying to remove these and then put them back up after our Indoor Nationals in May. It will cost us money, I don't think the AMA can help us. There are no suitable sites we can afford in the USA that we know of. The ball is in our court. Ideas? Contact me as above

How would you like to fly at this beautiful site?



Indoor flying and record trials at the world famous Tustin, California MCAS Blimp Hangar during the Thanksgiving and Christmas Holidays. We have reserved the hangar November 26,27, and 28. Plus December 26, 27,28, 29 and 30.

E-mail ralphray@earthlink.net with your chosen dates.

Cost will vary from \$20.00 to \$50.00 per day depending on sponsorship and participants. You can call Ralph at 1-619-504-2661

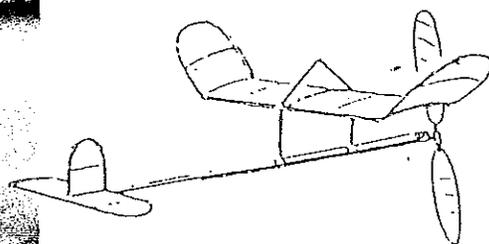
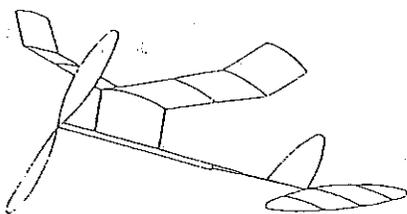
The floor of this Cat 4 site is 167 ft high, and approx. 300X600 ft.

Reasonably priced motels and dining nearby. 15 minutes from Orange Country Airport, the Pacific Ocean and Disneyland.

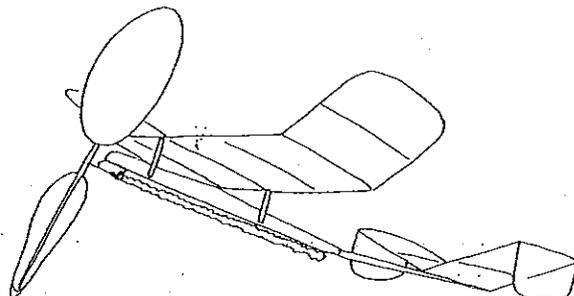
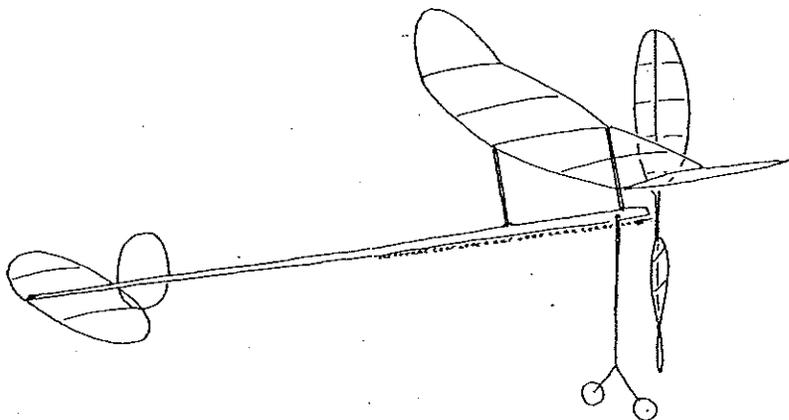
After many requests Stan is kiting the Lit'l Sweep standard indoor catapult glider, holder of many records. Also he has agreed to kit an unlimited indoor catapult of up to 18" span. These gliders have balsa fuselages, no carbon, the wings remove for incidence adjustment and easy transportation. Lit'l Sweep can already be found in Stan's catalog seen on the website discuskid. They are selling for an introductory price of \$20 and \$25 plus plans and shipping.

Bring them to the Tustin Blimp Hangar events for coaching by Ralph Ray or Stan. (National Champions and Record Holders)

Also, the Super #11 Knife blades are still available: 10 blades for \$10 plus priority shipping (\$5 for any amount), or they can ride for free if you order something else from Stan.

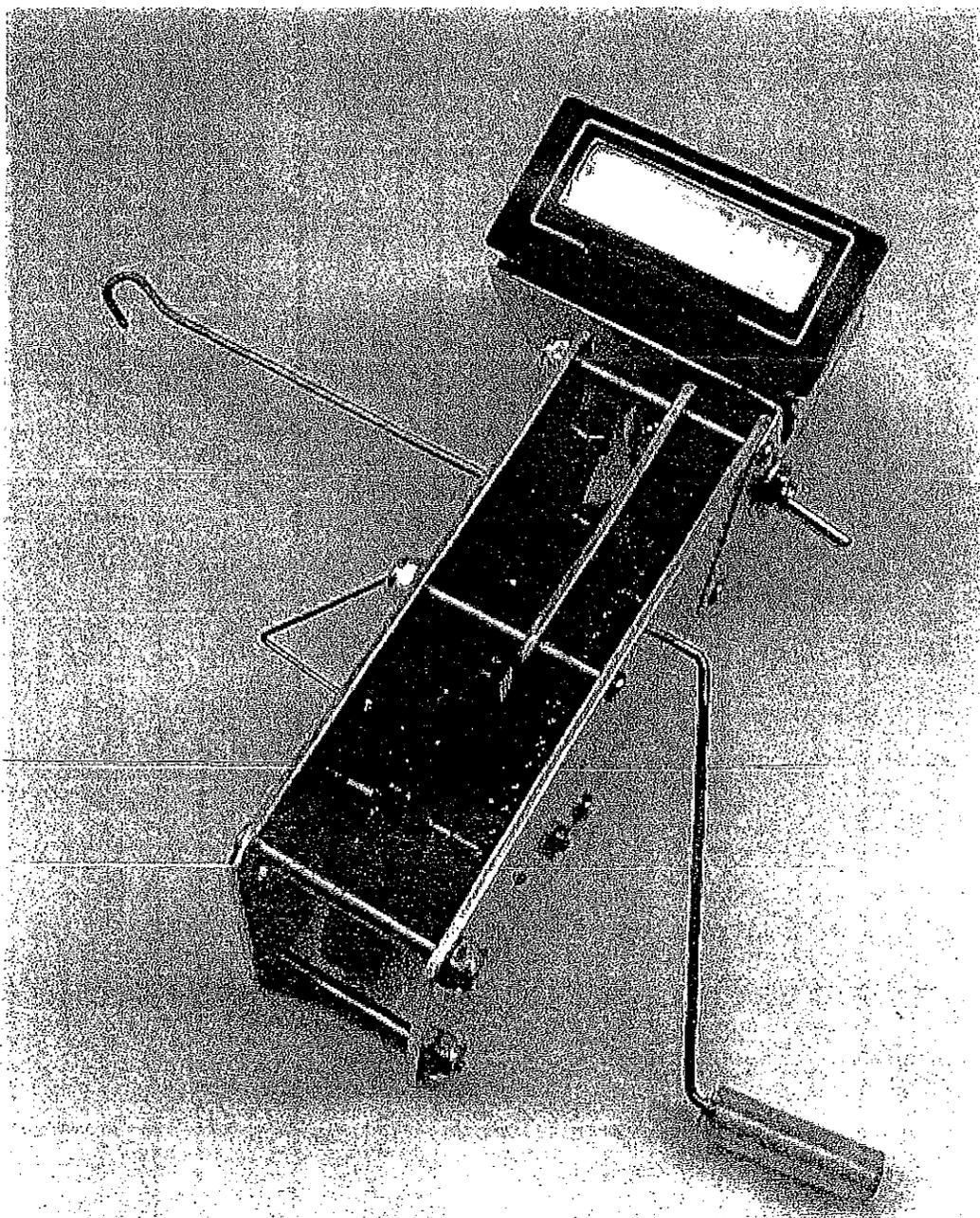
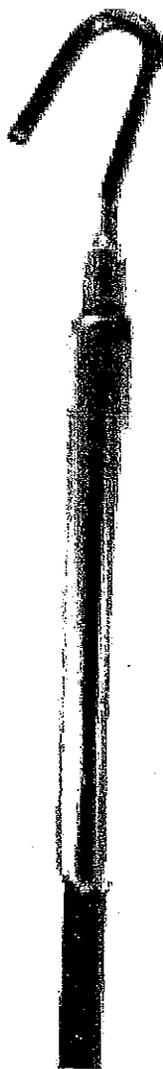


Pictured next door we have Ralph Ray and his beautiful wife Michelle. Also pictured is the catapult glider, Lit'l Sweep Unlimited Cat Glider, holder of many records. Buy it !!!



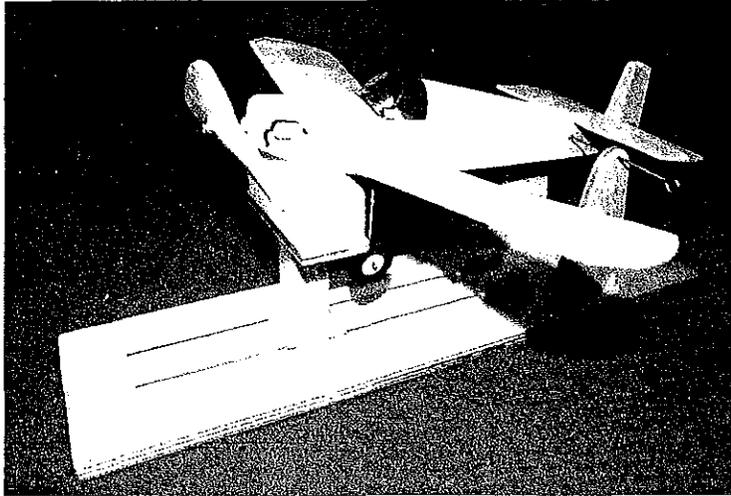
ART HOLTZMAN'S CHAIN OPERATED 20 TO 1 WINDER FOR INDOOR RUBBER POWERED MODELS

Looking for a winder for your indoor rubber powered models? Need a smooth one with a winds counter? This is the one for you. It is not only smooth, but will last for a good many years and be just about maintenance free. Keep it clean and oil it once a year and very little at that. This is a winder that has gone through much research and development and many modifications. The price? , \$130 including postage, \$3.00 for overseas Plus a 6% exchange rate. You can contact Art at upwind120@gmail.com for any particulars. You can have a 1/32 winding hook or the 1/16 one. It seems that some people use the small O rings and them and the 1/16 th hooks do not get along. Check with Art if you want a different one. Below are some pictures of our winder and the small hook magnified of course Gears or chains, chains for me.



A WORTHY CAUSE

The Tyson family is selling a dandy FAC-type stooge to defray the costs of sending the 2012 USA Indoor World Champ Team overseas to defend our national honor. A picture follows. It looks like it would work just fine, just the right size for smaller models. The cost is \$30 or \$35, postpaid, I forget which. Get yours today. Contact the Tyson's at: Ddtyson@peoplepc.com



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best thrust bearings"*

LOOK ME UP

2012 INTERNATIONAL INDOOR POSTAL CONTEST MINISTICK & A-6

Welcome back to the annual International Indoor Postal Contest for Ministick and A-6. Last year I said the Brainbusters would not do it any more. Change 2, We changed our minds. We will host the 2012 contest. As before, the two events will be flown between 1 January and 31 March 2012. Individuals may fly as many time as they like, in as many sites as they can, in the 3 month period. However, only their highest score will count towards winning in their respective events. All scores will be mailed or sent by E-mail to the address below. We will not have a web site and will not divide flyers into various groups. Scores will be published in the Brainbuster Newsletter as available. Also in the February/March Indoor News and Views of 2012. All final scores will mailed to entrants that are not subscribers of INAV. Trophies will be awarded to third place in both Ministick and A-6. All scores forwarded to the Brainbusters will contain all the information on the attached score sheet. Both sets of event rules are included.

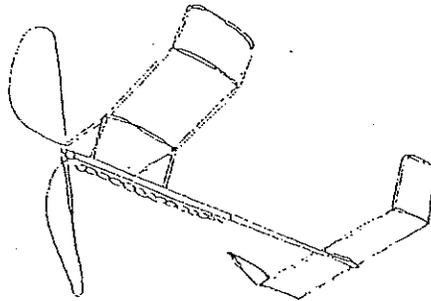
SEND YOUR RESULTS TO:
BRAINBUSTERS
112 Tillerson Dr
Newport News, VA
23602 USA
E-MAIL vandover@cox.net

MINISTICK RULES

This contest is open to indoor models that comply with the AMA Ministick Rules.

All contest flights to be timed by someone other than the flyer

Best single flight time wins after the flight time has been corrected for different ceiling heights. Ceiling height to be measured as per FAI Rules, but with a five meter circle. The correction factor is 627 divided by, (167 plus 46 times the square root of the ceiling height in feet) The time in seconds will be multiplied by this to give the corrected time.



24. Mini-Stick. *For event 220.*

24.1. The intent of this proposal is to make Mini-Stick an official event to allow including the event in AMA contests, to increase participation, and to allow records to be more easily kept.

24.2. The Mini-Stick model shall be a monoplane covered with any commercially available material sold in sheet form. Microfilm is not allowed.

24.3. The maximum projected wingspan shall be seven (7") inches.

24.4. The maximum wing chord shall be two and one-half (2-1/2") inches.

24.5. The maximum length (from front of nose bearing to front of rear motor hook) shall be five (5") inches.

24.6. The maximum length from front of nose bearing to rear most part of model shall be ten (10") inches.

24.7. The projected area of the stabilizer shall not exceed 50 percent of the projected area of the wing.

24.8. The maximum diameter of the propeller shall be seven (7") inches. The propeller shall be constructed of wood. Wire shafts are permitted. Hubs that allow blade replacement and/or manual pitch adjustment are allowed. Mechanisms that cause variable pitch and/or variable diameter of propellers while in flight shall not be allowed. (Natural flexing and flaring of wooden blades is allowed.)

24.9. The minimum overall weight of the model (without motor) shall be 0.015 ounce.

24.10. Construction is to be primarily wood, with adhesives used only for joining. Tissue and/or thread is permitted for wrapping bearings, hooks, and for making sockets, if desired. Boron, carbon fiber, Kevlar, and fine wire bracing are not permitted.

24.11. Mechanisms that restrict the torque available to the propeller are not allowed.

A-6

1. The contest is open to indoor models that comply with the A-6 rules.

2. All contest flights to be timed by someone other than the flyer.

3. Best single flight time wins, after the flight time has been corrected for the 70 ft factor. Ceiling height will be determined by the AMA/FAI measurement method. Flight times will be normalized against times from the highest site entered according to the following formula:
* The normalized flight time = $\frac{2}{3} (\text{Highest Ceiling Height}) - (\text{Local Ceiling Height}) + (\text{Local Time})$

* Highest ceiling height will be established as 70 ft until an entry from a higher site is received.

* Example:

Highest ceiling entered = 70 ft
Local ceiling = 22 ft
Local time = 97 sec
Normalized time = 129 sec
 $\frac{2}{3} (70-22) + 97 = 129.0$

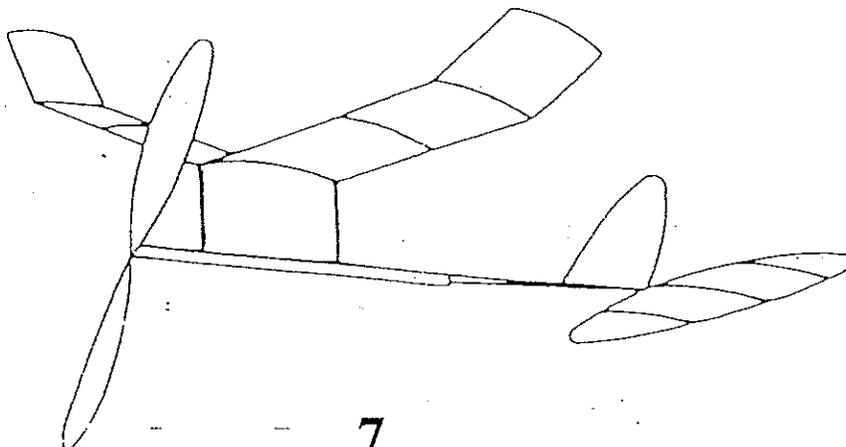
* Note That the official normalized times will not be available until the contest is completed

A-6 MODEL RULES.

1. 30 sq in max wing area.
2. 1/32 max prop shaft diameter
3. 6 in max prop diameter. The blades are to be flat, no chamber. Blades may be made of balsa or unlightened plastic; no foam. 1/32 in thick or 1 mm
4. 6 in max motor stick length as measured from the prop thrust bearing to the rear hook. Tail boom length unlimited.
5. All strip wood construction is to be a minimum of 1/16X1/16 or 1.5X1.5mm where only metric sizes available. The strip wood may not be sanded to any shape other than a square.
6. All sheet wood construction, prop blades, wing and stab ribs are to be a minimum of 1/32 or 1mm thick. Prop blade edges will not be rounded.
7. All wing and stab ribs will be 1/32 X1/16 or 1.5mmX1mm minimum cross section.
8. Covering materials are limited to: Jap tissue, condenser or Gampi paper.
9. Only wood, wire, adhesives and allowed covering materials can be used for construction with the exception of the prop shaft support and bearing which may be wire, aluminum or plastic. No special indoor material may be used.
10. Rubber power only.
11. The use of metric size wood is restricted to those that normally cannot get other size wood.
12. The model must weigh a minimum of 1.2 grams

Mail results to:

Brainbusters
112 Tillerson Dr
Newport News, Va
23602
USA



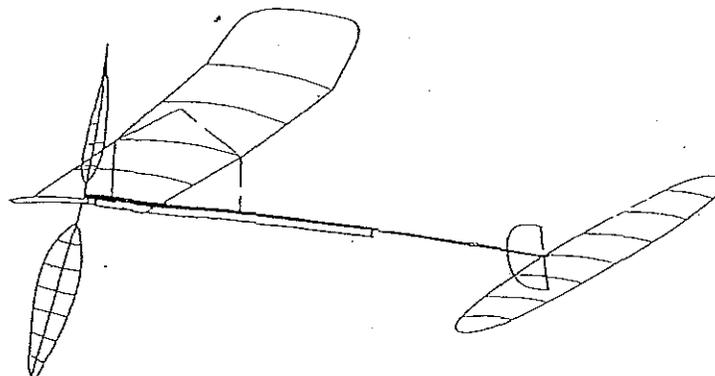
EUROPEAN INDOOR F1D CHAMPIONSHIPS

F1D FAI European Championship F1D 2011

Name	FAI Lic	Country	Flight 1	Flight 2	Flight 3	Flight 4	Flight 5	Flight 6	Best	2nd Best	Total	Place
TREGER Ivan	SVK 1001	SVK	36:40	37:15	33:06	37:08	32:51	38:01	38:01	37:15	75:16	1
SCHRAMM Lutz	GER-2196	GER	33:09	32:47	34:05	34:05	34:32	35:52	35:52	34:32	70:24	2
SUKOSD Zoltan	HUN-0321	HUN	32:18	32:41	34:31	35:12	33:14	32:44	35:12	34:31	69:43	3
KAPLAN Mikita	CZE 1016	CZE	30:39	31:55	12:48	33:51	0:00	31:50	33:51	31:55	65:46	4
REE Andras	HUN-0030	HUN	1:12	28:52	32:59	32:10	12:38	32:42	32:59	32:42	65:41	5
BARBERIS Didier	FRA 551	FRA	32:30	32:22	32:48	30:57	32:46	31:28	32:48	32:46	65:34	6
ORSOVAI Dezso	HUN-0027	HUN	16:50	19:50	32:46	32:41	32:17	32:32	32:46	32:41	65:27	7
NICOARA Vasile	ROU 134	ROU	18:22	23:55	26:09	32:34	10:09	32:12	32:34	32:12	64:46	8
BUNDESEN Uwe	GER-2192	GER	28:33	32:04	29:01	30:14	28:35	32:26	32:26	32:04	64:30	9
MARILIER Thierry	FRA 971	FRA	27:05	30:28	29:57	32:05	29:30	32:12	32:12	32:05	64:17	10
MIDIĆ Slobodan	F-101	SRB	18:49	17:42	8:34	31:45	31:56	14:50	31:56	31:45	63:41	11
POPA Aurel	ROU 135	ROU	1:42	19:20	31:03	31:22	27:12	30:57	31:22	31:03	62:25	12
MARKIEWICZ Jerzy	POL-53	POL	5:57	9:52	10:01	31:17	10:04	30:59	31:17	30:59	62:16	13
CHAMPION Robert	FRA 339	FRA	30:30	30:06	30:22	29:48	29:03	28:52	30:30	30:22	60:52	14
CIAPALA Edward	POL-203	POL	30:16	29:21	28:51	29:47	14:24	15:52	30:16	29:47	60:03	15
STRAKA Jaroslav	CZE 1279	CZE	25:49	1:22	24:12	30:00	21:54	29:55	30:00	29:55	59:55	16
MOMOT Tomasz	POL-4949	POL	30:06	29:01	1:05	0:41	3:13	22:43	30:06	29:01	59:07	17
KAPLANOVA Klara	CZE 1017	CZE	27:07	28:23	26:29	26:42	29:32	28:30	29:32	28:30	58:02	18
SCHOENFELDER Karl	GER-3252	GER	20:36	27:14	27:08	27:47	25:29	17:39	27:47	27:14	55:01	19
LINKOSALO Tapio	FIN-2500	FIN	24:48	24:59	25:37	25:30	24:49	24:14	25:37	25:30	51:07	20
LEFEVER Geoffrey	GBR 005484	GBR	0:00	11:45	24:46	9:09	8:55	24:21	24:46	24:21	49:07	21
LAĆIMIĆ Lazar	F-138	SRB	9:50	24:29	21:28	21:00	0:00	0:00	24:29	21:28	45:57	22
MORAR Aurel	ROU 605	ROU	19:17	22:53	18:13	9:45	1:07	0:10	22:53	19:17	42:10	23

FAI European Championship F1D 2011 Team results

Country	Total	Place
HUNGARY	200:19	1
FRANCE	190:43	2
GERMANY	189:55	3
CEZCH REPUBLIC	183:43	4
POLAND	181:26	5
ROMANIA	169:21	6
SERBIA	109:38	7
SLOVAKIA	75:16	8
FINLAND	51:07	9
GREAT BRITAIN	49:07	10



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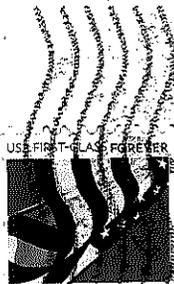
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23602-4011

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NORFOLK VA 230
HAMPTON ROADS
21 OCT 2011 PM 3 T



FIRST CLASS