

Free Flight news



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DIARY

December 19 Church Fenton	The Pannett. Pannett: comb O/P & SLOP; Kay: Open Vintage BMFA rules; Topcliffe: O/G BMFA rules; Mini vintage for 2004 Northern Area League. Start 9.30. Contact & CD: J Northrop 0113 2581292	February 18-21 Lost Hills, California (USA)	Maxmen International, F1A, F1B, F1C. World Cup event. Entry fee US\$ 25. Contact: George Batiuk, San Luis Obispo, 1759 Southwood, CA 93401, USA, tel: +1 805 546 8231, email: slogb@charter.net
December 28 Church Fenton	December Dazzler. (1): Comb SLOP, Church F1J, Vintage power & rubber, O/G & EOP; (2): Comb ½A Fenton, classic P (10 sec), Tailless, classic R BMFA rules, vintage G, E30; (3): Brit P, cabin P (20 sec), P30, CdH, A1, classic G 50m, CO2 - 3 or 4 flts to a total set on the day; (4): mini vintage for 2004 Northern Area League - final event. Start 9.30. CD & contact: J Godden 0113 2521002	February 26 Viabon, France	2nd Criterium Phillipe Lepage F1B World Cup event. Entry fee €30. Contact: Pierre-Olivier Templier, 3, rue des Brisaciers, 77090 Collegien, France t: +33 1 60 35 93 58, email: secret@paris-air-modele.com, web: http://www.paris-air-modele.com
January 2 Church Fenton	New Year Flyer. 5 events. Brit P; O/G; Church Fenton BMFA open vintage; comb P30 & CdH; comb E30 & CO2. Number of flights and max to be decided on day. Start 9.30. Contact+CD: D Davitt 0113 2675433	March 5 Hranice, Czech Republic	Winter Cup I - F1E. World Cup event. Entry fee sen €25, jun €15. Vojtech Zima, Smetanovo nabr. 1840, 75301 Hranice, Czech Rep. tel: +420 581 60 4445 or +420 604 589 792, email: vzima@sigmahra.cz
February 6 Middle Wallop	Crookham Gala	March 6 Hranice, Czech R	Winter Cup II - F1E. World Cup event. Details as for March 5
February 7 Chobham Common	Chobham Tree Chop. See FFn 0410.	March 6 Area Venues	BMFA 1st Area. O/P&SLOP combined (White), F1A (K&MAA/Plugge), F1G, Vintage (Plugge)
February 13 Sculthorpe	BMFA East Anglian Winter Gala. O/P (Frog Senior), O/R, O/G, O/E SLOP, Vintage, Mini Vintage, P30, Classic glider, Overall champion. See FFn 0412. Contact and CD M Marshall 01223 246142	March 12 Crivelle, TO, Italy	6th Trofeo Ago- F1K. Entry fee €20. Contact: Sangbo Schirru, Via C R di Cavour 5, 10095 Grugliasco To, Italy, tel: +39 011 7801788, fax: +39 11 415 57 44
February 14 Chobham	Chobham Tree Chop. See FFn 0410.	March 12-13 Gjovik, Norway	Holiday on Ice F1A, F1B, F1C. World Cup event. Entry fee NOK 250. Contact: Tor Bortne and Vegar Nereng, Jernbanev. 28, 2840 Reinsvoll, Norway tel: +47 611 97 463 or +47 611 96 736, fax: +47 611 98 351, email: margit.bortne@c2i.net

FFn

Please note that there was a subscription form included with the November FFn. For most readers, apart from those noted in that issue, their subscription expires after this issue. If you have not already done so (and thanks to everyone who has) please return it promptly to continue supply in January.

CIAM BUREAU MEETING

The CIAM Bureau meeting was held in Lausanne on December 3 and 4. The main interests for free flight are the 2005 competition calendar, plans for future championships and proposals for the agenda of the Plenary meeting. These are all described below, other topics will now be summarised briefly.

The FAI have chosen a new logo and this will entail new design flags, medals and diploma for use at championships in 2005. This will be the centenary year of the FAI and various commemorative events are planned, including the publication of a book covering all air sports. Free flight photos by Wilhelm Kamp have been submitted, it is not yet known whether these are being used.

Sporting Code revisions of the record section were discussed and will be the subject of Bureau proposals. Free flight elements of the proposals will include not allowing team records for free flight and discontinuing the outdoor free flight competition records and the indoor all-six-flights records.

The saga of the dimensions of F1L (EZB) models has been concluded. At the 2004 Plenary meeting a proposal to delete the Imperial wing measurements option was passed and would have come into effect in January 2005. The proposal was passed despite the fact that the metric measurements which were given were not precise and would result in either F1L models not meeting domestic EZB rules or vice versa. To allow time for this to be reconsidered the date of application was then postponed to January 2006. At the Bureau meeting the subject was fully discussed. Andras Ree pointed out that the change from precise to rounded metric measurements had taken place during preparation of the 2001 Sporting Code and had not been passed by any Plenary meeting. Consequently reason prevailed and it was agreed to correct this error immediately and then the proposal for deleting the Imperial option could go ahead as planned in January 2005.

Space models have a large number of classes in their championships and award medals in each class for seniors and juniors. They use almost as many medals as the total number of competitors! While this tends to devalue medals compared to all other classes, the unfair aspect is that CIAM pay for medals for all junior world championships (the organisers pay for senior medals). The CIAM income comes from registration fees for competitions. Out of a total of 166 contests registered for 2005 the largest single contributor is free flight with 64 events while space has only 18!

2005 Championships News

World Championships F1A, F1B, F1C will be at Embalse, Cordoba, Argentina. The schedule is:

Saturday	May 21	Arrival, registration, model processing, practice
Sunday	May 22	Model processing, practice, 11.00 opening ceremony, 13.00 opening banquet, team managers meeting
Monday	May 23	Practice
Tuesday	May 24	F1A contest
Wednesday	May 25	F1B contest
Thursday	May 26	F1C contest
Friday	May 27	Reserve day, 19.00 prizegiving and 21.30 banquet
Saturday	May 28	Departure

The schedule on the contest days will be round 1 start at 8.30, each round 55 min with 5 min break, 5 min flyoff at 16.30, 7 minute flyoff at 17.30, 10 min flyoff 8.30 next morning.

The flying site is the one used at the 1989 Championships, located 20 minutes from the hotels and has an unobstructed area of 4 by 6 km.

Entry fee is €275 for competitors, €225 for team managers and assistants, €35 for supporters. Entry deadline is March 1. Full board accommodation for the 7 nights is €285, plus €20 for the opening banquet, €25 for the closing banquet.

Web site for full information is www.argentina2005.com

Note that there will now be a World Cup event on May 19 and 20 on the same field.

World Championships F1E for Seniors and Juniors will be at Liptovsky Mikulas in Slovakia with the following schedule:

Tuesday	Sept 13	Liptov Cup World Cup event
Wednesday	Sept 14	Practice, opening ceremony, reception, model processing
Thursday	Sept 15	Contest
Friday	Sept 16	Reserve day, prize giving, banquet
Saturday	Sept 17	Mayor Cup World Cup event
Sunday	Sept 18	World Cup reserve day, departure

Entry fees will be €225 for senior competitors, team managers and assistants, €150 for junior competitors, €45 for supporters. Full board and lodging for 5 days will be €100, and the banquet €30 for seniors and €20 for juniors. These fees will be increased for late payment after March 31.

Junior European Championships F1A, F1B and F1P will be at Suceava, Romania, with the schedule:

Saturday	July 23	Early arrival, unofficial practice
Sunday	July 24	Arrival, briefing
Monday	July 25	Practice, opening ceremony
Tuesday	July 26	F1A contest
Wednesday	July 27	F1B contest
Thursday	July 28	F1P contest
Friday	July 29	Reserve day, closing ceremony, banquet
Saturday	July 30	Departure, or F1A day of World Cup event
Sunday	July 31	F1B C P World Cup

Note that the Bureau confirmed that the interim arrangement of having both F1J and F1P models in the Junior Championships has now ended and the sole junior power class is now F1P.

Suceava is in north-west Romania. The flying field is 2 x 3 km surrounded by agricultural land. Entry fees are €240 for competitors, team managers and assistants, €48 for supporters. Full board accommodation will cost €40 per day, the banquet €30 for seniors and €25 for juniors.

European Indoor Junior and Senior Championships will be at Bordeaux, France. The schedule will be:

Monday	Oct 3	Arrival and registration
Tuesday	Oct 4	Practice, opening ceremony, team managers meeting
Wednesday	Oct 5	Rounds 1 and 2
Thursday	Oct 6	Rounds 3 and 4
Friday	Oct 7	Rounds 5 and 6, prize giving, banquet
Saturday	Oct 8	Departure

The site is the Stadium Bordeaux-Lac, which has been used for several international and national events, with a floor area of 3000 m², maximum height 40m and normal flying height 30m. Entry fees are €300 for senior competitors, team managers and assistants, €250 for junior competitors, €60 for supporters, with a surcharge for paying after June 30th. Board and lodging will cost €55 per day in Hotel Campanile, 500m from the stadium. The banquet will cost €30 for seniors or €25 for juniors.

Future Championships News

Championships in 2006 have already been awarded to:

World Championships F1A/B/P Junior:	Germany
World Championships Indoor:	Romania,
European Championships F1A/B/C:	Ukraine
European Championships F1E:	Romania

2007 Championships. Currently there is one bid for each event, all from eastern Europe. The events will be awarded at the 2005 Plenary meeting, subject to voting if other offers are received. The current offers are:

World Championships F1A/B/C:	Ukraine
World Championships F1E:	Romania
European Championships Indoor:	Serbia
European Championships F1A/B/P Junior:	Serbia

Future tentative bids are:

2008 European Championships F1A/B/C:	Romania
2008 European Championships F1E:	Slovakia
2009 World Championships F1A/B/C:	Serbia

2005 FAI COMPETITION CALENDAR

The following is the 2005 calendar for free flight championships, World Cup events and other international events. Two events from Australia are unfortunately not included since the registration fees were not paid by the time of the Bureau meeting (the nominal closing date was Nov 15, so using the Bureau meeting date gave some extra leeway).

First is a summary of World Cup events, see the calendar below for full details of each event

World Cup summary F1A, F1B, F1C

Feb 18-21	Lost Hills	USA	Maxmen International
Feb 26	Viabon	FRA	Criterium Phillipe Lepage F1B
Mar 12-13	Gjovik	NOR	Holiday on Ice
Apr 29	Madziunai	LTU	Baltic Cup.
Apr 30	Madziunai	LTU	Estonian Free Flight Cup
May 7-8	Vojka Nova	SCG	21st Srem Cup
May 7	Lucenec	SVK	City Cup of Lucenec
May 13-15	Pazardzik	BUL	Bulgaria Cup
May 19-20	Embalse	ARG	Embalse World Cup
May 20-22	Vsechov	CZE	Open International
Jun 4-5	Tass	HUN	21st Puszt Cup
Jun 10-12	Kharkiv	UKR	Kharkiv Cup
Jun 11	Tass	HUN	Novohrad Cup of Slovakia
Jun 25-26	Gliwice	POL	Open International F1A
Jun 25	Zrenjanin	SCG	38th Memorijal Dj. Zigic
Jul 1-3	Rinkeby	SWE	Scania Cup
Jul 2-3	Bjelopolje	CRO	Memorijal Vilima Kmocha
Jul 2-3	Kazan	RUS	Kazan Cup
Jul 2-3	Borden	CAN	Huron Cup
Jul 4	Rinkeby	SWE	Nordic Cup of Denmark
Jul 8-10	Kyiv	UKR	Antonov Cup
Jul 9	Tass	HUN	Vörös Jenő Memorial
Jul 14-17	Odesa	UKR	Black Sea Cup of Belarus
Jul 30-31	Suceava	ROM	Suceava Cup
Aug 4-6	Noizé	FRA	Poitou

Aug 5-7	Stalowa	POL	Summer Cup
Aug 6	Bosanski Pet	BIH	Memorijal Izet Kurtalic
Aug 20-21	Borne	GER	Salzland Cup
Aug 27	Bosanski Pet.	BIH	Una Cup
Sep 1-4	Zülpich	GER	Eifel Pokal
Sep 2-4	Sisak	CRO	Siscia Cup
Sep 3-5	Borden	CAN	Canada Cup
Sep 10-11	Fakenham	GBR	Stonehenge Cup
Sep 15-17	Orel	RUS	Cup of Aviaprom
Oct 13-16	Lost Hills	USA	Sierra Cup
Oct 14-16	Sentjernej	SLO	Krka Cup
Oct 15-16	Maniago	ITA	FAVLI World Cup
Nov 5-6	Mühlenthurnen	SUI	Euro-Fly

World Cup events summary F1E

Mar 5	Hranice	CZE	Winter Cup I
Mar 6	Hranice	CZE	Winter Cup II
April 9-10	Oberkotzau	GER	Oberkotzau
April 9-10	Oberkotzau	GER	Föhrberg Cup-
May 6-8	Sisemol	ITA	Coppa Sisemol
May 21	Lipt.Mikulas	SVK	Mikulas cup of Hungary
May 22	Lipt.Mikulas	SVK	Cavalloni cup of Hungary
Jun 16-17	Turda	ROM	Turda Cup
Jun 17-18	Turda	ROM	Popa Cringu Memorial
Sep 13	Lipt.Mikulas	SVK	Liptov Cup
Sep 17	Lipt.Mikulas	SVK	Mayor Cup L. Mikulas
Sep 19-20	Toszek	POL	Open International
Sep 20-21	Račibórz	POL	Open International
Oct 1	Tourtenay	FRA	First Poitou Charentes
Oct 2	Tourtenay	FRA	Coupe Melusine F1E

February 18-21
Lost Hills,
California (USA)

Maxmen International, F1A, F1B, F1C. World Cup event. Entry fee US\$ 25. Contact: George Batiuk, San Luis Obispo, 1759 Southwood, CA 93401, USA, tel: +1 805 546 8231, email: slogb@charter.net

February 26
Viabon, France

2nd Criterium Phillipe Lepage - F1B. World Cup event. Entry fee €30. Contact: Pierre-Olivier Templier, 3, rue des Brisaciers, 77090 Collegien, France tel: +33 1 60 35 93 58, email: secret@paris-air-modele.com, Web: <http://www.paris-air-modele.com>

March 5
Hranice, Czech Republic

Winter Cup I - F1E. World Cup event. Entry fee seniors: €25, juniors: €15. Contact: Vojtech Zima, Smetanovo nabr. 1840, 75301 Hranice, Czech Republic tel: +420 581 60 4445 or +420 604 589 792, email: vzima@sigmahra.cz

March 6
Hranice, Czech Republic

Winter Cup II - F1E. World Cup event. Entry fee seniors: €25, juniors: €15. Contact: Vojtech Zima, Smetanovo nabr. 1840, 75301 Hranice, Czech Republic tel: +420 581 60 4445 or +420 604 589 792, email: vzima@sigmahra.cz

March 12
Crivelle, TO, Italy

6th Trofeo Ago- F1K. Entry fee €20. Contact: Sangbo Schirru, Via C R di Cavour 5, 10095 Grugliasco To, Italy, tel: +39 011 7801788, fax: +39 11 415 57 44

March 12-13
Gjovik, Norway

Holiday on Ice F1A, F1B, F1C. World Cup event. Entry fee NOK 250. Contact: Tor Bortne and Vegar Nereng, Jernbanev. 28, 2840 Reinsvoll, Norway tel: +47 611 97 463 or +47 611 96 736, fax: +47 611 98 351, email: margit.bortne@c2i.net

April 9-10 Oberkotzau, Germany	Oberkotzau World Cup F1E. World Cup event. Entry fee €30. Contact: Peter Kuttler, Schneebergstr. 26, 95145 Oberkotzau, Germany tel: +49 9286 6187, email: peter-kuttler@web.de	May 22 Liptovsky Mikulas, Slovak Republic	2nd Cavalloni cup of Hungary- F1E World Cup event. Entry fee €30. Contact: György Pinkert, pf. 16 H -1625, Hungary, tel: +36 1 221 4071, fax: +36 1 221 4071, email: info@cavalloni.hu
April 9-10 Oberkotzau, Germany	Föhrberg Cup- F1E World Cup event. Entry fee €30. Contact: Peter Kuttler, Schneebergstr. 26, 95145 Oberkotzau, Germany tel: +49 9286 6187, email: peter-kuttler@web.de	June 3-5 Beja, Portugal	Taca Hafe. F1A, F1B, F1C. Entry fee €35. Contact: A Paiva, R. Marques Leitao 33, 4420-500 Vaibom GDM, Portugal, tel +351 22 46 40 957, or +351 9680 23 273, fax +351 22 33 937 49
April 29 Madziunai, Lithuania	Baltic Cup. F1A, F1B, F1C. World Cup event. Entry fee senior: €25, junior: €10. Contact: Rolandas Mackus, Taikos 19 - 12, 28158 Utena, Lithuania, tel: +370 687 26002, fax: +370 389 69181, email: rolandasmackus@vytrolma.lt web: http://www.aeromodeling.lt	June 4-5 Tass, Hungary	21st Pusztá Cup. F1A, F1B, F1C, F1J, F1P. World Cup event. Entry fee €30. Contact: György Pinkert, Pf 16 H-1625, Hungary, tel: +36 1 221 40 71, fax: +36 1 221 40 71, email: info@cavalloni.hu
April 30 Madziunai, Lithuania	Estonian Free Flight Cup. F1A, F1B, F1C World Cup event. Entry fee €25. Contact: Aavo Koppel, Kreegipuupiestee 4, Maardu 74117, Estonia tel: +372 50 48 886, fax: +372 640 57 01, email: aavo.koppel@suprema.ee	June 10-12 Kharkiv, Ukraine	Kharkiv Cup. F1A, F1B, F1C World Cup event. Entry fee US\$ 20. Contact: Victor Vishnyakov, Str. Saperna 30, ap. 125, 61033 Kharkiv, Ukraine tel: +380 57 712 07 11 or +380 57 707 10 11, fax: +380 57 712 07 11, email: elena@lin.com.ua
May 6-8 Sisemol, Italy	25th Coppa Sisemol- F1E World Cup event. Entry fee €50. Contact: Antonio Ghiotto, Italy, tel: +39 0444 57 02 89, email: tonighiotto@libero.it	June 11 Aradac - Zrenjanin, Serbia and Montenegro	Open Championship of Vojvodina. F1A, F1B, F1C. Entry fee €10. Contact: Vujkov Svetozar, Aeroklub Titel, 21240 Titel, Serbia and Montenegro, tel: +381 21 341 721, email: ultrans@eunet.yu
May 7-8 Vojka - Nova Pazova, Serbia and Montenegro	21st Srem Cup. F1A, F1B, F1C World Cup event. Entry fee €25. Contact: Dragomir Jovanovic, Jovana S. Popovica 11, 22330 Nova Pazova, Serbia and Montenegro tel: +381 22 333 188, email: rimog@ptt.yu	June 11 Tass, Hungary	Novohrad Cup of Slovakia. F1A,F1B, F1C World Cup event. Entry fee €30. Contact: Stefan Hubert, Malinovského 5, 98403 Lucenec, Slovak Republic, tel: +42 147 43 30 213, email: butorova@stonline.sk
May 7 Lucenec, Slovak Republic	City Cup of Lucenec. F1A, F1B, F1C World Cup event. Entry fee €30. Contact: Stefan Hubert, Malinovského 5, 98403 Lucenec, Slovak Republic, tel: +42 147 43 30 213, email: butorova@stonline.sk	June 16-17 Turda, Romania	Turda Cup F1E World Cup event. Entry fee €30. Contact: M.Zanciu and M.Conu, OP6 - CP 56, Sala Polivalenta, Camera 210, Str Piscului 10, Bucuresti, Romania (aeromodeling), tel: +4021 33 00103, fax: +4021 33 00103, email: mzanciu@modelism.mcit.ro
May 13-15 Pazardzik, Bulgaria	Bulgaria Cup. F1A, F1B, F1C World Cup event. Entry fee €25. Contact: Valentin Hristov Savov., Bratia Benderevi str 5, Gorna Oriahovitza, Bulgaria tel: +359 888 40 89 40, fax: +359 61 860 772, email: valio@dir.bg, web: www.modelist.bg	June 17-18 Turda, Romania	Popa Cringu Memorial F1E World Cup event. Entry fee €30. Contact: M.Zanciu and M.Conu, OP6 - CP 56, Sala Polivalenta, Camera 210, Str Piscului 10, Bucuresti, Romania (aeromodeling), tel: +4021 33 00103, fax: +4021 33 00103, email: mzanciu@modelism.mcit.ro
May 19-20, Embalse, Argentina	Embalse World Cup. F1A, F1B, F1C World Cup event. Entry fee €25. Contact: Daniel Hugo Iele, Victoria 1271 (1686), Hurlingham, Buenos Aires, Argentina, tel: +54 11 4665 3626, fax: +54 11 4665 3626	June 24-25 Gliwice, Poland	15th Open International Black Cup Contest. F1G, F1H, F1K, F1P Entry fee €15. Contact: Stanislaw Kubit, Ul.Rybnicka 84, 44100 Gliwice, Poland tel: +48 32 230 18 22, email: qbit@digip.pl
May 20-22 Vsechov, Czech Republic	Open International F1A, F1B, F1C World Cup event. Entry fee €35. Contact: Rostislav Kvasnicka, Svépomoc 694, 39102 Sezimovo Usti, Czech Republic tel: +420 608 059 803, fax: +420 381 276 579, email: r.kvasnicka@seznam.cz	June 25-26 Stadium de Bordeaux, France	Concours International F1D, F1L. Contact: Jean-Pierre Darrouzes, 32 Avenue du Marechal de Lattre de Tassigny, 33610 Cestas, France tel: +33 5 56 07 65 66, fax: +33 5 56 36 95 44, email: darrouzesjp@aol.com
May 21-25 Embalse, Argentina	World Championships F1A, F1B, F1C. Contact: Daniel Hugo Iele, Victoria 1271 (1686), Hurlingham, Buenos Aires, Argentina, tel: +54 11 4665 3626, fax: +54 11 4665 3626, email: aerostar@advancedsl.com.ar	June 25-26 Gliwice, Poland	Open International World Cup Contest F1A World Cup event. Entry fee €30. Contact: Stanislaw Kubit, Ul. Rybnicka 84, 44100 Gliwice, Poland tel: +48 32 232 18 22, email: qbit@digip.pl
May 21 Liptovsky Mikulas, Slovak Republic	6th Mikulas cup of Hungary- F1E World Cup event. Entry fee €30. Contact: György Pinkert , Pf. 16 H-1625, Hungary, tel: +36 1 221 4071, fax: +36 1 221 4071, email: info@cavalloni.hu		

June 25 Aradac - Zrenjanin, Serbia and Montenegro	38th Memorijal Dj. Zigic. F1A, F1B, F1C World Cup event. Entry fee €30. Contact: Nikola Borovac, Aeroklub F. Kluz, Cara Dusana 57, 11080 Zemun, Serbia and Montenegro, tel: +381 11 619 164, fax: +381 11 625 371, email: dlakic@ptt.yu	July 29-31 Beauvoir-sur- Niort, France	Azay Le Brule International. F1A, F1B, F1C, F1G, F1H, F1J, F1K. Entry fee €14.- for the 3 days. Contact: André Trachez, 20, rue du Grand Port, 79000 Niort, France tel: +33 6 08 57 35 50, email: Andre.trachez@laposte.net
July 1-3 Rinkeby, Sweden	Scania Cup. F1A, F1B, F1C World Cup event. Entry fee SEK 250. Contact: Thorvald Christensen, Stengatan 17, 27730 Kivik, Sweden tel: +46 70 60 999 64	July 30-31 Suceava, Romania	Suceava Cup. F1A, F1B, F1C, F1J. World Cup event. Entry fee €30. Contact: M. Zanciu and M. Conu, OP6 - CP56Sala Polnalanta, Camera 210, Str Piscului 10, Bucuresti, Romania (aeromodelling), tel: +40 21 33 00103, fax: +40 21 330 0103, email: mzanciu@modelism.mcit.ro
July 2 Aradac - Zrenjanin, Serbia and Montenegro	Luxor Cup. F1A, F1B, F1C. Entry fee €12. Contact: Dobric Dragana, Brace Jerkovic 117V, 11000 Beograd, Serbia and Montenegro, tel: +381 11 397 65 57, email: dragana@lmgeurope.com	August 4-6 Noizé, Thouars, France	Poitou. F1A, F1B, F1C, F1G, F1H, F1J, F1K. World Cup event. Entry fee seniors €30 junior €12. Contact: Michel Reverault, Poitou , BP 36, 79101 Thouars Cedex, France, tel: +33 5 49 68 01 55, fax: +33 5 49 96 13 37, email: poitou-aero@noos.fr, web: http://www.poitou-aero.com
July 2-3 Bjelopolje, Croatia	3rd Memorijal Vilima Kmocha F1A, F1B, F1C, F1H. World Cup event. Entry fee €30. Contact: Damir Kosir, Modelarski Klub Zapresic, Matije Gupca 4, 10290 Zapresic, Croatia tel: +385 1 3310 403, fax: +385 1 3310 403, email: mkz@mk-z.hr, web: http://www.mk-z.hr	August 5-7 Stalowa Wola, Poland	Summer Cup Open International World Cup Contest. F1A, F1B, F1C. World Cup event. Entry fee: €25. Contact: Robert Radwanski, Ul. Domowskiego 7 / 19, 37450 Stalowa Wola, Poland tel: +48 15 844 45 15, fax: +48 15 844 01 18, email: rradwan@wp.pl
July 2-3 Kazan, Russia	Kazan Cup. F1A, F1B, F1C World Cup event. Entry fee US\$25. Contact: Andrey Burdov, Iskra st 8-61, 420045 Kazan, Russia tel: +7 8432 990026 or +7 917 39 12 699, fax: +7 8432 990026, email: burdov@mi.ru,	August 6 Bosanski Petrovac, Bosnia and Herzegovina	Memorijal Izet Kurtalic. F1A, F1B, F1C. World Cup event. Entry fee €25. Contact: Kenan Mandra, Alja Sehida Resula br 5, 71300 Visoko, Bosnia and Herzegovina tel: +387 32 738 209 or mob: +387 61 611 566, fax: +387 32 738 209, email: sak@bosnia.ba, web: http://www.sak-bih.org
July 2-3 Borden ON, Canada	Huron Cup F1A F1B F1C World Cup event. Entry fee CAN\$30. Contact: J McGlashan, R.R.1, 372 6th Conc Rd, Clear Creek, ON N0E 1C0, Canada, tel +1 519 875 2734, email: rggmcg@sympatico.ca	August 20-21 Borne, Germany	Salzland Cup. F1A, F1B, F1C. World Cup event. Entry fee seniors: €30.- / juniors: €15. Contact: M. Thoma, DAeC - Aeromodelling Department, Hermann Blenk Str 28, 38108 Braunschweig, Germany, tel: +49 531 2 35 40 56, fax: +49 531 2 35 40 11, email: m.thoma@daec.de
July 4 Rinkeby, Sweden	Nordic Cup of Denmark, F1A, F1B, F1C, World Cup event. Entry fee SEK 250. Contact: Bo Nyhegn, Birkevenger 2, Gadevang, 3400 Hillerod, Denmark, tel: +45 48 26 73 06, fax: +45 48 24 10 69, email: lonebo@mail.tele.dk	August 26-28 Beograd, Serbia and Montenegro	Dorcol Cup F1D. Entry fee €10. Contact: Vojislav Stokovic, Kralja Petra 70, 11000 Beograd, Serbia and Montenegro, tel: +381 11 189 627 or +381 64 345 9848, fax: +381 11 625 371, email: aviamodeli55@yahoo.com
July 8-10 Kyiv, Ukraine	Antonov Cup. F1A, F1B, F1C, F1G, F1H, F1J. World Cup event. Entry fee US\$ 20. Contact: Ukrainian Aeromodelling Club, Str. Industrialna 27, n/c 8, 03056 Kyiv, Ukraine tel: +380 44 457 09 73, fax: +380 44 457 09 73, email: zakharov@cstcam.kiev.ua	August 27 Bosanski Petrovac, Bosnia and Herzegovina	Una Cup . F1A, F1B, F1C. World Cup event. Entry fee €25. Contact: Haris Hadzihajdarevic, S. Kulenovica 21, Bihac, Bosnia and Herzegovina, tel: +387 61 790 183 or +387 37 320 873, fax: +387 37 226 141, email: hari-h@bih.net.ba, web: http://www.leewave.net.tf
July 9 Tass, Hungary	Vörös Jenő Memorial F1A, F1B, F1C World Cup event. Entry fee €25. Contact: Jenő Vörös, Tárogató út 63, 6726 Szeged, Hungary tel: +36 20 9 136 463	September 1-4 Zülpich, Germany	36th Internationaler Eifel Pokal. F1A, F1B, F1C. World Cup event. Entry fee: seniors €30, juniors €15. Contact: Peter Mönninghoff, Friedrich Ebert Str 41, 58332 Schwelm, Germany, tel :+49 2336 7248, e: moenninghoff-peter@t-online.de
July 14-17 Odesa, Ukraine	Black Sea Cup of Belarus. F1A, F1B, F1C, F1G, F1H, F1J. World Cup event. Entry fee US\$ 15. Contact: Victor Stamov, Symyrenko Str. 34, app. 127, 03134 Kyiv, Ukraine, tel: +380 44 402 7932, fax: +380 67 751 1663, email: stamov@fla.kiev.ua, web: http://www.odessa-cup.farlep.net		
July 24-30 Suceava Romania	Junior European Championships F1A, F1B, F1P. Romanian Modelling Federation, M Zanciu , Sala Polivalenta Camera 210, Str Piscului 10, Bucuresti, Romania, tel: +40 21 330 01 03, fax: +40 21 330 01 03, email: mzanciu@modelism.mcit.ro		

September 2-4 Sisak, Croatia	Siscia Cup. F1A, F1B, F1C. World Cup event. Entry fee €25. Contact: Zoran Zechner, S. i A. Radica 3, 44000 Sisak, Croatia t:+385 4453 1165, fax: +385 44 53 0074 e: zoran.zechner@sisackivodovod.hr, web: http://www.amks.hr	October 4-7 Bordeaux, France	European Championship F1D Seniors & Juniors. Contact: Jean-Pierre Darrouzes, 32 Avenue du Marechal de Lattre de Tassigny, 33610 Cestas, France tel: +33 5 56 07 65 66, fax: +33 5 56 36 95 44, email: darrouzesjp@aol.com																																																
September 3-5 Borden ON, Canada	Canada Cup F1A F1B F1C World Cup event. Entry fee CAN\$30. Contact: L Farkas, 21 Misty Moore Dr, Richmond Hill, ON L4C 6P9, Canada, tel +1 905 886 6959, fax +1 905 886 3025, email: aljolie@allstream.net	October 13-16 Lost Hills, California, USA	29th Annual Sierra Cup. F1A, F1B, F1C, F1G, F1H, F1J. World Cup event. Entry fee US\$ 45.- one event / US\$ 60.- two event. Contact: Mike McKeever, 4252 Mockingbird Street, Fair Oaks 95628, USA tel: +1 916 967 8475, email: vanmckeever@aol.coms																																																
September 10-11 Fakenham - Norfolk, UK	Stonehenge Cup. F1A, F1B, F1C. World Cup event. Entry fee €23. Contact: M.J. Woodhouse, 12 Marston Lane, Eaton, Norwich, Norfolk NR4 6L2, UK, tel: +44 1603 45 77 54, fax: +44 1603 45 77 54	October 14-16 Sentjerne, Novo Mesto, Slovenia)	Krka Cup. F1A, F1B, F1C World Cup event. Entry fee €30. Contact: Damjan Zulic, Nahtigalova 5, 8000 Novo Mesto, Slovenia, tel: +386 70 820 800, fax: +386 7 33 75 701 or +386 7 33 78 444, email: damian@insert.si, web: http://freeweb.siol.net/zulicbor/index.htm																																																
September 13 Liptovsky Mikulas, Slovak Republic	Liptov Cup F1E World Cup event. Entry fee €30. Contact: Peter Nosko, Nábrezie 1686/10, 03101 Lipt. Mikulas, Slovak Republic tel: +42 190 36 13283, fax: +42 144 55 20 264, email: nosko@naex.sk	October 15-16 Maniago, Italy	1st FAVLI World Cup. F1A, F1B, F1C. World Cup event. Entry fee €30. Contact: Marco Stranieri, Via Aderito Ferrari 19, 42020 Rivalta, Italy, tel: +39 522 36 38 32 / mob: +39 335 629 7145, email: stranierimarco@libero.it																																																
September 13-18 Liptovsky Mikulas, Slovakia	World Championships F1E Seniors & Juniors	November 5-6 Mühlenthurnen, Switzerland	Euro-Fly. F1A, F1B, F1C, F1G. World Cup event. Entry fee CHF 50. Contact: Walter Eggimann, Seftigenstrasse 125, 31233 Belp, Switzerland, tel: +41 31 819 17 84, email: eurofly@belponline.ch																																																
September 15-17 Orel, Russia	Cup of Aviaprom. F1A, F1B, F1C. World Cup event. Entry fee US\$ 25. Contact: Nadezda Snegovay, 88-8 Volokolamskoe sh, 125362 Moskow, Russia tel: +7 095 491 97 47, fax: +7 095 491 97 47, email: fas@cnt.ru	RYBNIK CUP, LUBOMIA, POLAND, SEPT 24 F1E 24 flew <table> <tr><td>1</td><td>M Popescu</td><td>ROM</td><td>458.41</td></tr> <tr><td>2</td><td>Z Benisz (J)</td><td>POL</td><td>452.51</td></tr> <tr><td>3</td><td>D Bildea (J)</td><td>ROM</td><td>441.79</td></tr> <tr><td>4</td><td>F Mang</td><td>AUT</td><td>394.90</td></tr> <tr><td>5</td><td>D Petcu</td><td>ROM</td><td>394.44</td></tr> <tr><td>6</td><td>F Kanczok</td><td>POL</td><td>389.54</td></tr> <tr><td>7</td><td>J Wojtek</td><td>POL</td><td>388.70</td></tr> <tr><td>8</td><td>S Kubit</td><td>POL</td><td>386.22</td></tr> <tr><td>9</td><td>J Orel</td><td>CZE</td><td>384.06</td></tr> <tr><td>10</td><td>C Ziober</td><td>POL</td><td>374.25</td></tr> </table> F1E-Junior 4 flew <table> <tr><td>1</td><td>Z Benisz</td><td>POL</td><td>488.88</td></tr> <tr><td>2</td><td>D Bildea</td><td>ROM</td><td>474.60</td></tr> </table>		1	M Popescu	ROM	458.41	2	Z Benisz (J)	POL	452.51	3	D Bildea (J)	ROM	441.79	4	F Mang	AUT	394.90	5	D Petcu	ROM	394.44	6	F Kanczok	POL	389.54	7	J Wojtek	POL	388.70	8	S Kubit	POL	386.22	9	J Orel	CZE	384.06	10	C Ziober	POL	374.25	1	Z Benisz	POL	488.88	2	D Bildea	ROM	474.60
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September 17 Liptovsky Mikulas, Slovak Republic	Mayor Cup L. Mikulas F1E World Cup event. Entry fee €30. Contact: Peter Nosko, Nábrezie 1686/10, 03101 Lipt. Mikulas, Slovak Republic, tel: +42 190 36 13283, fax: +42 144 55 20 264, email: nosko@naex.sk	GOVERNOR'S CUP, RAÇIBÓRZ, POLAND, SEPT 25 F1E 23 flew <table> <tr><td>1</td><td>Z Benisz (J)</td><td>POL</td><td>492.20</td></tr> <tr><td>2</td><td>J Smeringai</td><td>SVK</td><td>463.33</td></tr> <tr><td>3</td><td>D Bildea (J)</td><td>ROM</td><td>436.67</td></tr> <tr><td>3</td><td>V Paireli</td><td>ROM</td><td>436.67</td></tr> <tr><td>5</td><td>S Bochenski</td><td>POL</td><td>430.00</td></tr> <tr><td>6</td><td>F Kanczok</td><td>POL</td><td>426.67</td></tr> <tr><td>7</td><td>W Dziuba</td><td>POL</td><td>422.22</td></tr> <tr><td>8</td><td>D Petcu</td><td>ROM</td><td>418.88</td></tr> <tr><td>9</td><td>J Morgala</td><td>POL</td><td>411.11</td></tr> <tr><td>10</td><td>J Wojtak</td><td>POL</td><td>397.22</td></tr> </table> F1E-Junior 4 flew <table> <tr><td>1</td><td>Z Benisz</td><td>POL</td><td>500.00</td></tr> <tr><td>2</td><td>D Bildea</td><td>ROM</td><td>443.09</td></tr> </table>		1	Z Benisz (J)	POL	492.20	2	J Smeringai	SVK	463.33	3	D Bildea (J)	ROM	436.67	3	V Paireli	ROM	436.67	5	S Bochenski	POL	430.00	6	F Kanczok	POL	426.67	7	W Dziuba	POL	422.22	8	D Petcu	ROM	418.88	9	J Morgala	POL	411.11	10	J Wojtak	POL	397.22	1	Z Benisz	POL	500.00	2	D Bildea	ROM	443.09
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2	D Bildea	ROM	443.09																																																
September 19-20 Toszek, Poland	Open International World Cup Contest F1E World Cup event. Entry fee €30. Contact: Roman Sowa, Ul. Gliwicka 6, 44160 Rudziniec, Poland, tel: +48 32 230 38 43																																																		
September 20-21 Raçibórz, Poland	Open International World Cup Contest - F1E World Cup event. Entry fee €30. Contact: Marek Lysakowski, Ul. Sienkiewicza 8/10, 47400 Raciborz, Poland, tel: +48 32 419 27 41, email: mlysakowski@poczta.onet.pl																																																		
October 1 Tass, Hungary	Árva János Memorial Contest. F1A, F1B, F1C. Entry fee €20. Contact: János Árva, Scherer Ferenc út 7, 5700 Gyula, Hungary, tel: +36 66 464 160, email: ani@gyulahus.hu																																																		
October 1 Tourtenay, France	First Poitou Charentes F1E World Cup event. Entry fee €30. Contact: André Trachez, 20, rue du Grand Port, 79000 Niort, France tel: +33 6 08 57 35 50, email: Andre.trachez@laposte.net																																																		
October 2 Tourtenay, France	Coupe Melusine F1E World Cup event. Entry fee €30. Contact: Pierre Chaussebourg, 17, Les Besnarderies, 41400 Faverolles sur Cher, France tel: +33 2 54 32 04 40, fax: +33 2 54 32 04 40, email: pierre.chaussebourg@wanadoo.fr																																																		

ISRAEL FF CHAMPIONSHIP, BEER SHEVA, ISRAEL, AUG 27-28

F1A 66 flew, 22 full scores

1	V Beschansny	UKR	900	+60e	+352
2	I Shichman	ISR	900	+60e	+295
3	M Moscovich	ISR	900	+60e	+286
4	A Romi	ISR	900	+60e	+282
5	Y Fux	ISR	900	+60e	+280
6	Y Kraus	ISR	900	+60e	+277

F1A-Junior 6 flew 5 full scores

1	A Keren	ISR	900	+60e	+272
2	A Studnik	ISR	900	+60e	+229
3	L Herchkovitz	ISR	900	+46e	

F1B 17 flew 9 full scores

1	G Herzberg	ISR	900	+120e	+247
2	O Weisfelner	ISR	900	+120e	+196
3	O Fishler (J)	ISR	900	+120e	+146
4	S Kuplik	ISR	900	+100e	

F1C 2 flew 1 full scores

1	V Tregubenko	UKR	900		
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NEWS FROM BMFA FF TECH COMMITTEE

Salisbury Plain

Peter Tribe will remain as the contact for Salisbury Plain during 2005. Peter's e mail address is peter.tribe33@virgin.net telephone 01225 862748.

Vintage Glider at Nats

This class will be flown at the Nats in 2005 and qualify for championship points. There was some uncertainty about this but, thanks to Dave Hipperson's intervention, this popular class will again be run. The same model can also be used in the Vintage and/or Mini Vintage (if under 60" span) Competition, for rubber, power and glider, at the same weekend. So build one vintage glider and you can have a go in three classes.

Nationals

Planning for the Nats is well underway. Roy Wright will again act as agent for the general site tasks. Roy has recommended some changes such as improved signs, better gate control, improvements to the toilet arrangements, ID labelling of organisers and controllers, raffle tickets sold at the gate. Roy has also supplied a list of local hotels, bed and breakfast accommodation, camping sites (although we would like to encourage camping at BH), self catering cottages, hotels and restaurants. Contact me at ralph@sparrow.freemove.co.uk for details.

Help will still be needed for the model flying bit - CD's and assistants, selling Freeflight forum reports, etc. Please think about this. Without volunteers not much will happen. Think not what the BMFA can do for you but what you can do.....etc. (apologies to JFK). All offers of help to Mike Woodhouse please.

World Champs - Argentina

The teams are F1A W Colledge, M Fantham, J Carter.
F1B R Jones, D Billam, B Martin.
F1C S Screen, P Watson, P Chapman.

Team manager J Andrews
Assistant team manager M Woodhouse.

Team Glider

People may be aware that the Team Glider event, held as part of the 6th Area Centralised meeting, has caused a few problems. The SAA (Scottish Aeromodellers Association) team consisted of fliers from different clubs and had the top score but, the SAA is not a club belonging to the BMFA and the event was given to Morley B. However, just prior to the

BMFA AGM and prize giving, the SAA members protested and the trophy was not presented. The matter will be considered at the full BMFA Council meeting on the 8th January. Again, Dave Hipperson contributed a well-researched letter pointing out some of the anomalies in the history of the event. The FFTC will be considering any rule changes necessary to clarify eligibility, method and timing of protest and appeals, etc., at the next meeting.

2005 Senior Championship Calendar

This official calendar will be available from the BMFA office at Chacksfield House after 31st January 2005. This is as specified in the Contest Rules handbook.

Please note that this calendar does not include the various extra events to be held alongside the official classes. These are most likely to be vintage and classic classes. The BMFA News, FFn, magazines will be notified of these extra events as they become known.

Note: 3rd Area contest is on the 8th May and the F1E event is now on the 15th May.

Results Service

Ian Davitt has taken over this onerous task from Rod Briggins. Thanks to Rod for his past work and to Ian for accepting the job. Ian will be publishing results on the link from the FFTC page on the BMFA website via Bryan Spooner. Hard copies will be available direct from Ian. Look out for instructions how to get these copies.

Good news

We have an extra day at Barkston Heath next year. It is on 26th June and it looks as though this will be the Brumfly event plus possibly some Vintage and Flying Scale. The date has come through the efforts of Steve Philpott and David Phipps of head office. (Let's hope someone tells the glider club!). More news as it becomes available.

There may also be a monthly series of independently run contests in the Barkston Heath area.

December FFTC agenda

As well as reviewing next year's contest plan the following items are being progressed.

CD guidelines and motorised retrieval. New format for Senior Championship. Airfield Survey. Site negotiations, site safety rules and risk assessments.

BMFA Anglian Winter Gala

At Sculthorpe Airfield, 13 February 2005.

The Free Flight Technical Committee are committed to improving the quality and content of UK competitions. The Old Winter Open has been revised to include more classes to attract more competitors and everything possible is being done to make it an enjoyable day.

Classes to be flown will be: O/P (Frog Senior), O/R, O/G, O/E, SLOP, Vintage, Mini Vintage, P30, Classic Glider. BMFA Rules will apply to all classes except Classic Glider. Classic Glider designs from 31-12-50 to 31-12-60, will be eligible, tow line length 50 metres.

Start time 9.00am, finish two hours before sunset. Three flights, maximum to be decided on the day. First entry £5.00 subsequent entries £3.00. The Gala champion will be awarded the prestigious East Anglian Area, Winter Gala Trophy.

Snacks and refreshments will be available on the field. Location. Sculthorpe airfield, OS Map reference TF 852300. 100 Metres in a NE direction along the B1454 from its junction with the A148 road from Kings Lynn to Fakenham.

Further information Michael Marshall 01223 246142.

Free Flight competition results service

Ian Davitt has now taken over the Free Flight competition results service. Contest results, Plugge and Senior Championship positions can be obtained in the following ways:

By e-mail distribution. Those who received the 6th Area results for 2004 from Ian will continue to do so. Anyone wishing to receive the results in this way should contact Ian via e-mail at iandavitt@ntlworld.com. The results are collated and distributed on Microsoft Excel, so please check your computer is able to read this software.

By post. Please provide Ian with ten A4 size stamped addressed envelopes at 2 Kay Walk, St Albans, Herts, AL40XX. There are 24 Free Flight competitions in the year, so results will be posted periodically.

By accessing the Free Flight Technical Committee web site. Results will be posted as available.

Could Contest Directors please forward results to Ian in a legible format at the above address. Rewriting of scores into place order is not necessary, but please check scores are correctly totalled, as they will not automatically be checked.

For Area events, the courtesy of nil returns will speed up publication of results. The results forwarded should include the BMFA numbers and addresses of the top three in each class to allow the awarding of Certificates for Area events, and trophies at the end of the year.

FOR SALE

ENGINE. Irvie 15R ABC bought new 1995. Becnh run four times, never used in any model, as new. Ideal for F1C or open power. £100 post free. Please contact Tony Rogers, 18 Calder Close, Grrnmeadow, Swindon, tel 01793 722 859.

BILL BLAKE ITEMS. The following items are among the effects of the late Bill Blake, former BMFA PRO, and are being sold on behalf of Jennie Blake.

4 one yard lengths of 10" wide condenser tissue £1.50 per length

One Maxaid glider winch, almost new, with monofilament towline. £10

One Hatschek circle towhook, unused, with original instructions. £10

One Telco CO2 motor, with Telco prop, tank and filler. £10

One Sodastream CO2 adapter/filler. £5

One Williams Bros. 5 1/2" prop. £1

Please contact Martin Dilly on 020 8777 5533 or e-mail: martindilly@compuserve.com

F1E

1	Marian Popescu	ROM	159	CS-1	NA-1	PA-1	CV-7	LP-11	MC-15	MK-10	TC-8	
2	Daniel Petcu	ROM	120	CS-2	LP-2	TC-3	CV-4	PA-5	PB-8	MK-11	NA-7	MC-12
3	Fritz Mang	AUT	115	TC-1	MC-3	PA-4	RA-5	CV-6	MK-20	PB-11	NA-13	
4	Daniel Bildea (J)	ROM	113	LP-1	PA-3	TC-4	CS-5	MK-8	CV-17	NA-10	PB-3	MC-7
5	Florian Draghici	ROM	108	NA-2	CV-2	CS-6	LP-7	RA-14	MC-16	MK-7		14 Jan
6	Adrian Draghici (J)	ROM	91	MK-1	LP-8	RA-12	CS-12	MC-20	CV-3			15 Re
7	Vojtech Zima	CZE	89	TC-2	LP-3	RA-17	MC-13					16 Se
8	Pierre Chaussebourg	FRA	84	OB-1	MK-5	CS-18	TC-19	RA-20	CV-11	FB-5		17 P
9	Stanislav Kubit	POL	82	OB-2	NA-6	CS-9	PA-8	MC-11	LP-18	TC-20		18 Iv
10	Cristian Faur (J)	ROM	80	CV-1	TC-11	LP-17	MC-21	NA-12	MK-15			19 Ju
11	Norbert Heiss	AUT	76	MK-2	FB-6	TC-14	CV-13					20 Ja
12	Claudio Bognolo	ITA	72	RA-1	CS-11							21 Pe
13	Victor Paireli	ROM	68	PB-3	LP-5	NA-11	TC-15	MC-22				22 Ja

F1E-Junior

1	Daniel Bildea	ROM	154	TC-1	LP-1	CS-1	PB-2	MK-4	RA-4	CV-5	PA-2	MC-4	NA-3			
2	Adrian Draghici	ROM	135	MK-1	RA-2	CS-2	LP-3	TC-6	NA-7	MC-6	CV-2	6	Razvan Corodea	ROM	75	
3	Cristian Faur	ROM	105	CV-1	TC-4	LP-4	RA-5	MC-7	NA-4	MK-6		7	Andrei Moisesescu	ROM	64	
4	Jakub Janata	CZE	84	MC-1	RA-3								8	Alex Ciobanu	ROM	52
5	Patricia Valastjakova	SVK	76	MK-2	MC-3	LP-5							9	Krzystof Rduch	POL	52

10 DAYS IN HUNGARY

I was lucky enough to be a member of the F1A British Team at the 2002 European Free Flight Championships at Kunszentmiklos, Hungary. During the ten days I spent there I took the opportunity to record as much of the event as possible.

This resulted in a 50 minute film which follows the winning F1B/F1C flights and the F1A flyers circle towing at the pre comp. It shows past and present World and European champions preparing to fly. Hear and feel the atmosphere during tense continental fly-off conditions. You'll be amazed at the close-up detail of rubber motor winding. Feel involved as the flyers run their engines and launch their models.

Relive this event, as I have, or enjoy it for the first time filmed entirely on a hand held digital camera and digitally edited.

If you would like a copy contact me by email at tim.nic@tesco.net (telling me your order and address. Then I'll send you an email invoice. You can pay for your film using PayPal, ebay's safe online payment method.) or contact me, Tim Nicholson, to arrange another payment method on 02086533144. To see stills of the film visit:

<http://freeflightfilms.mysite.wanadoo-members.co.uk/>

10 days in Hungary (VHS 50 minutes).....£14 plus P+P

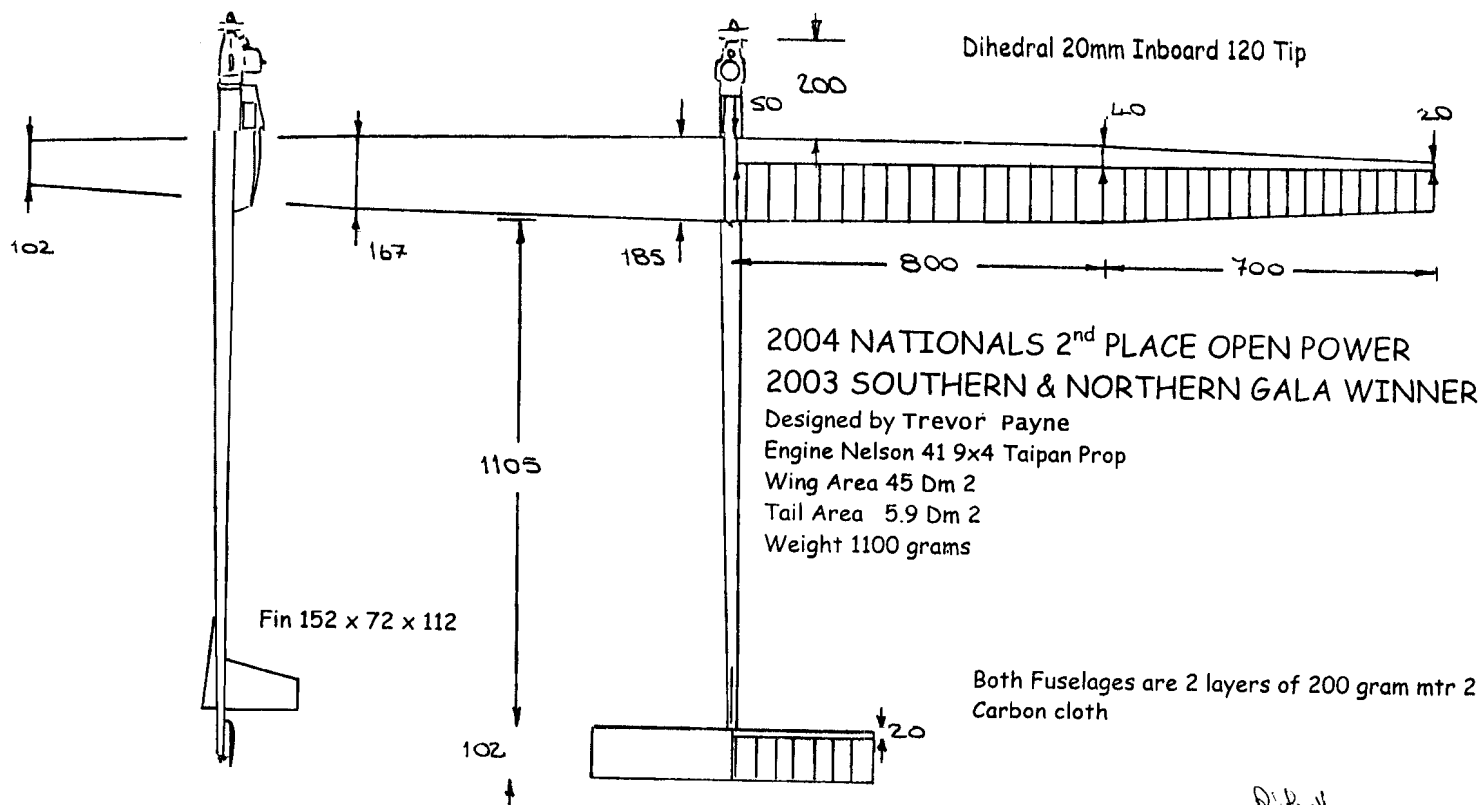
OPEN POWER BY PETE WATSON AND TREVOR PAYNE

These two planes were supplied by Phil Ball

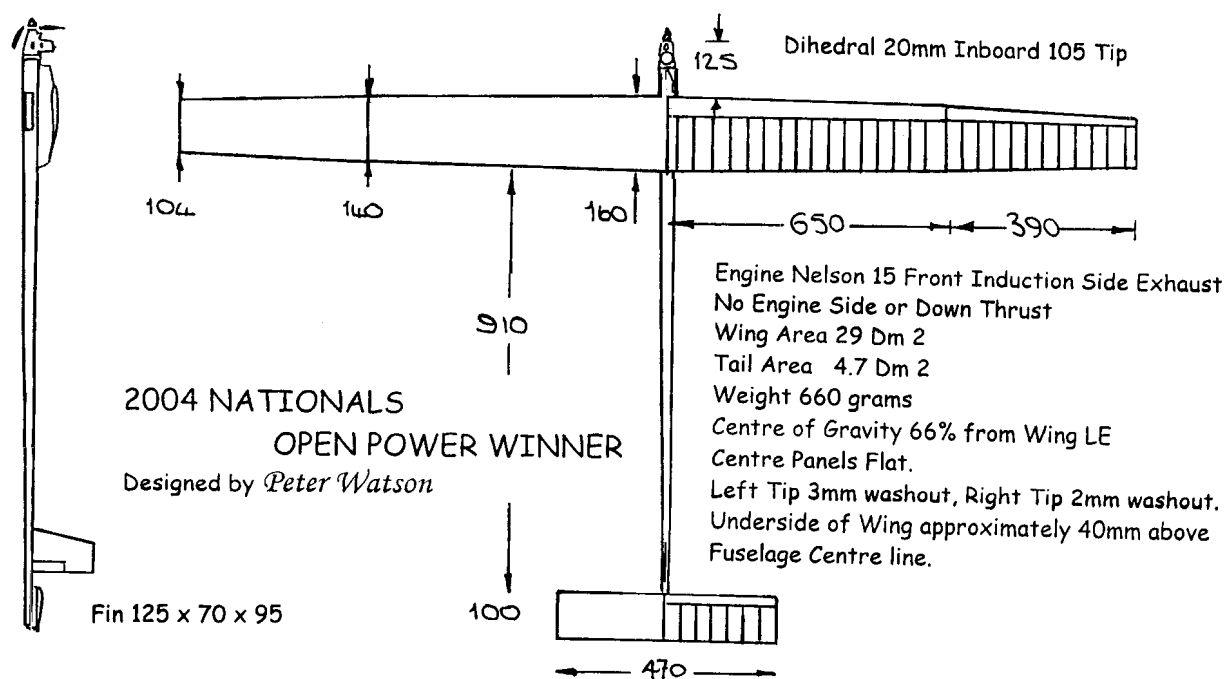
WORLD CUP F1E FINAL RESULTS

		numbers flying in		
			F1E	F1EJ
CS	24th Coppa Sisemol	ITA	43	4
LP	Liptov Cup	SVK	38	10
MC	Mayor Cup	SVK	48	18
NA	Napoca cup	ROM	38	13
TC	Turda cup	ROM	42	16
MK	Mikulas Cup	HUN	50	19
CV	Cavalloni Cup	HUN	39	14
RA	Open International	CZE	60	12
PA	Rybnik Cup	POL	24	4
PB	Governor's Cup	POL	23	4
OB	Oberkotzau	GER	12	0
FB	Föhlberg cup	GER	12	0

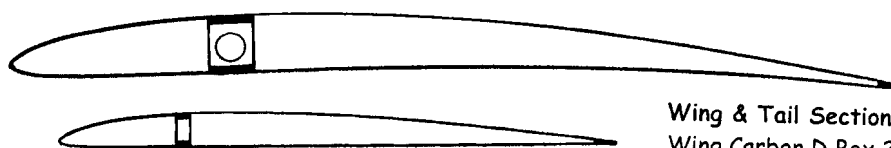
ALL DIMENSIONS ARE IN MM



P. Ball 2004



P. Ball 2004



Wing & Tail Sections same for both Models
Wing Carbon D Box 200 grams mtr 2
Tail Carbon D Box 90 grams mtr 2
Carbon Spars & TE, Balsa ribs, carbon caps
Wings Covered with Ikarex Kite material
Tails covered with Mylar

CROOKHAM COMBINED POWER, MIDDLE WALLOP, DEC 5

Report by John Thompson, CD.

The gods were kind . the weather westerly 1/4mph 54deg super, if only all contests could enjoy this .

Although there were no farmer/crop problems (except for a couple of sweetcorn patches where hundreds of game birds awaiting their fate resided). Max was set at 2.30, to keep models on the patch and also to avoid ploughed fields which played havoc with side winder engines and dirt in venturiers, etc.

16 entries, 2 with bunt, 1 ex bunt, 2 open electric, 1 vintage and remainder SLOPs. All entrants' mobile phone numbers were taken (and asked to keep them on and with them) and score cards given to them containing the CD's number. This was an attempt to ensure possible contact at all times, safety, etc. For example, this can be helpful if someone is treed and phones CD and help can be sent without the necessity of long walks back for aging legs, etc. It worked when required except for some "naughty" people who left their mobiles in their cars when required. I would recommend that consideration be given to this being in operation at all contests, all said and done we use GPSs and trackers why not use old fashioned phones!

Results

1	P Watson	FO 7.14	with bunt
2	S Screen	5.49	with bunt
3	D Limbert	5.32	SLOP
4	D Hipperson	5.24	SLOP
5	T Grey	4.24	OE 04 rules

11 of the 16 maxed out

Observations on the combined nature of the event. As flyoffs were in pretty neutral air, open models appeared to have an advantage. Open electric to new 05 rules should retain 30 secs run, compare T Grey's 04 model which, plus a bit more push under the 05 rules, might have been nearer the SLOP fly off times. Maybe open models should only have 4secs (in use in USA)?

A grand day, the weather making all the difference and it was easy to direct. We heard that Middle Wallop is available on February 6 for Crookham Gala, Hooray! We understand the personalised framed certificates (and the wine), Fred Chilton's idea, went down well.

BMFA FREE FLIGHT FORUM

Report by Michael Warren and Ian Kaynes

It was a foggy, drizzly and dank day but there was an encouraging attendance at this year's Forum, held at the Holiday Inn, Coventry, on November 21st. There were more than a dozen talks during a busy and enjoyable few hours, covering theory and practice, indoor, outdoor and scale flying. The full papers will, as ever, be published as soon as possible next year.

Andy Hewitt and Phil Ball started the day with a talk on hand-launched gliders and, in particular, on recent developments in discus-style launching. Comparisons were made between smaller, solid models (though even these are large by traditional HLG standards) and far larger built-up models. Systems such as VIT and bunt were discussed. It was emphasised that the new style of launch, whether it's a simple throw or is preceded by discus-style spin by the flyer, is more

effective in gaining height but simultaneously less damaging physically than the traditional style (now old-fashioned?) which put such strain on the arms and shoulders.

Phil Ball pointed out that there are dangers in technical developments of this type. 'The greater the changes the less likely it is that traditional flyers will want to take up the challenge, and the more we competitors we may lose. It's a risk we have to be aware of.'

Scale models are rarely seen at the Forum but **Peter Smart** returned after a gap of some eight years to update us on recent developments in indoor free flight scale. This was an amiable and well-presented talk and the technology he showed us was both impressive and great fun. His electric-powered, six-engined Messerschmitt 323, is put on the floor and after a short pause the engines start, the model taxis, takes off, circles for a while, throttles back and lands, after which the motors stop. Impressive and astonishingly lightweight technology.

Like Phil Ball, Peter had a final thought for us all. 'It seems to me that although this is all very interesting, the greater the complexity of our models, the more the angst when you're flying and the less the enjoyment.' A thought for all of us to mull over as the end of the year approaches.

Joe Flynn outlined the science behind electricity and its implications for electric free flight. The end results were predictions of performance for various different configurations of motor and number and type of battery cells. For those who don't really understand electricity this was a useful session though it was a lot to take in for newcomers to the topic. The final paper, which the layman can read and revisit at his own speed, will be particularly valuable.

Andy Crisp described the rationale for, and history of, his well-known and successful series of low aspect ratio F1As. By comparison with hi-tech aircraft, particularly those that are bought rather than designed and made by the flyer, such models were suggested as an easier and less complex means of achieving good scores. It is good – better – to have models that you know well, are comfortable with, and, importantly, aren't afraid to lose.

Phil Ball returned to the podium to talk about mini-vintage and why it is currently the most popular free flight class in the UK. He spoke of how impressed he had been at a recent Nationals' fly-off by the variety and performance of these models, and he went on to discuss the problems of definition (which models are eligible and which aren't?) and of the rules that constrain model construction. A list of recommended designs will be included in the printed paper.

After lunch, **Geoff Lefever and Clive King** discussed recent developments in EZB, mini-stick, 35 cm and F1D indoor models, both in terms of construction and flying techniques. The move from microfilm to plastic covering materials, for example, had transformed indoor flying, giving models that are virtually the same weight as before but now much stronger.

Geoff Lefever's description of the current state of play in F1D covered rubber and winding techniques, changes in model configuration, the use and difficulty of using torque-induced model deflection as a trimming device, propeller developments including variable pitch, and the question – the problem – of flying sites.

John Carter talked about the choice between building your own models versus bought models. He was clear that his priority was to win and buying the best models helped this aim. John estimated that in the FIA World Cup, in which he placed fifth this year, at least 50% of the models were bought as complete models or as kits. Models such as the M&K he showed are made by a team of people each working on their own speciality and John said that the resulting accurate model was much better than he could build. Although the models could be flown immediately, they needed tuning to suit your own preferences of how to fly a glider.

Bob Cheesley's presentation "Groovy Graphics" was given by Mike Evatt. Bob described his method of printing numbers for models on jap tissue in an inkjet printer, and the various tricks of font style, fixing the ink, and the differences in behaviour according to colour and inkjet cartridge manufacturer.

Chris Strachan discussed the potential Wakefields for use in BMFA Vintage events. He described the history of the rule changes in the eligible period and the effect these and the conditions at each Wakefield event on the design of models. Another complication is the difference between SAM and BMFA eligibility rules, which eliminates some SAM-eligible models from BMFA events.

George Waby came down from Scotland to make an adept presentation on measuring rubber density. The aim is to assess rubber cross-sectional area with greater accuracy than is possible by measuring the cross-section dimensions direct. His technique was developed from text book methods to suit this application and he quoted an accuracy of 1% compared to 10% by vernier measurement of the cross-section.

Mike Woodhouse reviewed progress in the seven months after the Future of Free-Flight conference. The 2005 calendar included some of the changes suggested, such as increased status by Areas adopting events, but Mike noted that the year might be more difficult as a result of last minute changes to suit military movements. There also likely to be more conditions imposed, such as a Health and Safety requirement for all users to sign that they have read site instructions. Trevor Grey is working on the database of flying sites, any new sites will need a volunteer local point of contact. Ralph Sparrow is the new PRO, it is planned to have a tent at the RC Nats. Planning for the FF Nats is underway, and Mike noted the reduced source of organisers since people at the World Champs in Argentina will be away over that weekend. Builder of the Model was a continued difficulty, with discussion from the floor on a need for a ballot to determine views for change compared to FFTC maintaining the status quo.

Mike Evatt described propeller analysis using Rositer's method to predict the effect of variable pitch props. This showed that the most efficient approach was to reduce pitch from +6° at launch to -2° and then increase again to +6° at the end of the run - for a gain of a whole 10 seconds over nominal! For a prop fixed at a constant angle, the analysis suggested the surprisingly small difference in duration of 286 sec to 301 sec for the worst and best performance for any angle between +6° and -6° from nominal.

"Getting More Out of Rubber" by **John O'Donnell** began with a comparison of techniques between the old style of winding all the time while moving out and the new style of

stretching to maximum, waiting and then starting to wind. To understand the effect of different techniques such as this and lubricants and running-in method, etc, requires a vast range of tests which would require much time and lots of rubber (which introduces additional variation). John showed how this could be improved by incomplete sampling of the variables and statistical processing of the results to show the significance of each factor. For the next year, he offered to undertake the analysis for anyone who followed his test schedule.

This concluded the Forum after a very full day, despite missing Peter King's intended talk about turbulators and invigorators, perhaps that will be in the printed report which will appear next year.

LEAGUE RULES 2005

From Dave Hipperson. In the first four events alterations to since 2004 are shown in italics

Timperlev League Rules 2005 CD D.Hipperson

Qualifying contests including details of all classes to be flown must be advertised in advance in Free Flight News and must be open to all. The season shall be assumed to be from 16th December to 15th December inclusive.

Qualifying contests shall be all those outdoor Free Flight duration events run in the UK which are not under the direct control of the BMFA Council i.e. not what is known as BMFA contests. Neither shall they be experimental BMFA contests nor any contest run by or on behalf of the BMFA Free Flight Tech. Committee *or put on by anyone as a "fringe" event at the BMFA Nationals*. Contest shall be run as advertised. Failing full rule details these shall be assumed to be as per current BMFA procedure except for exclusions stated later or where advertised as different in advance. All events shall be run with the Builder of the Model rule (as per BMFA rule book 1998) in place. (Non-BoM events either deliberate or accidental will not be considered in the Timperley League. In addition no FIA, B or C events of *any sort* shall be considered as experience has shown that when these are run they are now invariably run without a BoM).

All events shall be run to the conventional duration format. That is termination or interruption of flights shall always be at the contestants discretion whether qualifying contest flights or flyoff flights. Contest which involve contestants having to make official flights, during which any part of the timed portion of the flight involves models being flown in something other than conventional climb or glide trim shall be void as far as League points are concerned. Furthermore events so much as advertised as possibly including such rules shall also be void even if those rules are not actually applied on the day.

Events advertised as to a single flight with no max. or progressive flyoffs will be eligible but otherwise the number of flights will be expected to be at least three unless such differences are advertised in advance. If events are to be flown in rounds this too must be published in advance. Adjustments to 'Combination events' (i.e. exactly what is to be combined with what) may be made on the day and CDs are also allowed to decide policy on, multiple entry, re entry, towline length, engine run and max on the day. Contests must start within one hour of the advertised time or 11am if no time has been stated in advance and a close time must be posted at control by 12 noon. Deviations from the above will void the contest's League points and may positively excluded it from the Leagues the next year.

Contestants may count only their best eight results thus the maximum possible score is $8 \times 9 = 72$ points. (Point scoring will be as per BMFA Senior Champs 1998. 9 for 1st, reducing to 1 for 6th and cutting off the top points in the event of less than six recorded scores). Scoring can be only from one event per day and in that event, only one score, the contestants best, will count. This *day* is understood to be the day on which the complete event including flyoffs concludes. Ties for overall classification in the League will be resolved by awarding to the contestant with the most first places contributing to his score. If that is not decisive then second places will be taken into consideration and so on until the tie is resolved. If this too does not resolve the tie then placings for the contestants 'throw away' scores shall be taken into account once again starting with firsts. If that too fails to break the tie then placings in events that were scored on the same day as eligible Timperley scores will be taken into consideration.

Most SAM events are not eligible because so many of them are arranged on an ad-hoc basis. However the three Wakefield classes at the SAM Euro Champs *will* count even if not advertised in FFN. The following events are also **not** eligible. Any free flight duration event run on RAF Odham, Rod Audley's Glider Day and The Port Meadow Dreaming Spires event.

Aeromodeller Overall League 2005 CD D.Hipperson.

The Aeromodeller Overall League accepts scores from all Timperley League qualifying events plus the BMFA events that maintain the BoM. (Points scoring as per 1998 Senior Champs) - all contest placings to count including those on the same day but not multiple placings in the same event. *For 2005 there will be no trophy awarded for this overall classification.*

Open Rubber Trophy League 2005 CD D.Hipperson

The Open Rubber Trophy League has restrictions as per the Timperley League and scoring as per BMFA Senior Champs 1998. All qualifying events must retain BoM as per BMFA rule book 1998. No Champagne flyoffs or contests with less than 3 qualifying flights will be eligible. Contestants for 2005 will be able to count their five best placings from:- BMFA Winter (East Anglian) Open, BMFA Spring Meeting, Devon Rally, BMFA Nationals, Scottish Nationals, Timperley Gala, BMFA Southern and Northern Galas and Brumfly. *This award will be made at the last of these events. For 2005 there will be no windy weather bonus.*

The Coupe d'Hiver League 2005 CD D.Hipperson

Qualifying contests will be :- Northern Gala, BMFA Easter (Spring 2 day), Nationals, Oxford Rally *2nd day*, Brumfly, Timperley Gala, Southern Gala, BMFA Summer Mini. *The rules no longer insist on a five flight format and will allow events flown to three or more flights. The winner of the CDH League will receive the Bernard Boutillier Trophy which will be awarded at the Southern Gala along with the A1 and 1/2A League awards arranged by the Biggies Club. Furthermore as an experiment in 2005 the points system for this league and this league only will be brought into line with Biggies scoring. That is the usual sequence of points for 5 or more scores but for four scores or less down to a single score points are removed from the bottom up so that 1st place, even if a sole entry, always receives at least 6pts.*

Slow Open Power Classification 2005

As an experiment for 2005 I intend to produce a League classification for Slow Open Power as it is regularly attracting the largest entries. For this first year **ALL** Slow Open Power events that qualify either for the BMFA Senior Champs or the Timperley League will count towards this. Furthermore points

will be awarded to contestants for their efforts with Slow Open Power models in properly advertised Combined Power events, Timperley Rules or otherwise. However please note that for points to count from Combined Power events, Slow Open Power models must be used throughout the contest. (Try to let the CD know what you are using - it will help enormously in implementing this last line.)

Note to CDs

The League systems outlined above have been designed to and have proven successful in, encouraging and listing competitor performance on an annual basis. By way of their insistence on accurate advance publicity it is hoped that they create a level playing field over which competitors can have confidence. Changing important rules on the day will usually invalidate your contest - try not to do that.

STONEHENGE CUP CORRECTION

The results published in the October FFN had a mix-up of names on the 8oz vintage Wakefield event. Chris Chapman should have been credited with second place:

8oz Wakefield

1	Rex Oldridge	Horry
2	Chris Chapman	Gutteridge
3	Stan Fairless	Jaguar

On the subject of the October FFN, apologies also for the garbled over-printing of some of the World Cup results on page 107. I was trying to squeeze too much in, it looked OK on the screen, but then I did not check the paper version!

SILICON LUBRICANT

Mark Croome notes: This may be old news but Wickes stock useful bottles of silicon lubricant in their plumbing section at £4.99 for 250ml. It has a reasonably thin consistency and first impressions are good.

UK COMPETITION NEWS

CHURCH FENTON. Note that there are three new events, on December 19, December 28, and January 2. Details are given in the Diary section on the cover of this issue.

OXFORD MFC FF RALLY will be on June 18 and 19 at Port Meadow, Wolvercote, Oxford. "Champagne flyoffs" will be on Saturday evening from 7pm for Coupe d'Hiver, A1 glider, and HLG/Catapult G. On Sunday 19th start is at 10am. The following three events will be flown in 5 rounds with 2 min max: Coupe d'Hiver, A1 glider, and E30+P30. Remaining events will not have rounds and will be flown with 3 flights to a 2 min max: vintage rubber (max 34" span), vintage glider (max 72" span or A/2), Nostalgia glider (1951-60, no span limit), tailless R+G combined, HLG+Catapult combined. All glider events will use 50m lines. Special awards are Gala Champ, Top Lady, Ian McDonald Trophy. No thermistors, streamer poles, etc. No motor heaters, no power models to be flown, all flyers must be insured. Contact: Andrew Crisp, 4 Grove St, Summertown, Oxford OX2 7JT, tel 01865 553800.

WORLD CUP F1A F1B F1C FINAL RESULTS

The results and events key are given on the following pages (and F1E earlier in this issue). The statistics for the 2004 season were dominated by having the more competitions than ever before and consequently the greatest ever total number of participants (entries in all contests) at 3552. The breakdown according to classes is:

	F1A	F1AJ	F1B	F1C	F1E	F1EJ
Number of contests	41	35	41	38	12	10
Total no. entries	1599	273	867	328	429	114
number of competitors scoring World Cup points	348	78	207	91	80	23

numbers flying in

			F1A	F1AJ	F1B	F1C
MM	Maxmen International	USA	59	7	52	26
PL	Crit. Phillipe Lepage	FRA	0	0	35	0
BC	Bear Cup	FIN	60	17	18	4
HL	Holiday on Ice	NOR	64	5	42	6
VT	Matfors VT	SWE	23	1	11	0
AC	Australian FF Champs	AUS	20	1	15	7
SN	Southern Cross Cup	AUS	19	1	9	4
LC	City Cup of Lucenec	SVK	25	5	5	5
KU	Kotuku Cup	NZL	15	0	12	4
OM	Omara Cup	NZL	12	0	11	4
SB	Kup Slavonije I Baranje	CRO	21	1	12	3
BL	Baltic Cup	LTU	42	19	24	12
ES	Estonian FF Cup	EST	43	19	24	12
SM	21st Srem Cup	SCG	17	5	6	3

SU	Sezimovo Usti	CZE	79	12	32	13
PZ	20th Pusztu cup	HUN	113	13	43	18
NC	Novohrad Cup	SVK	42	10	11	10
VH	Taça Von Hafe	POR	4	0	4	0
DZ	Memorijal Dj. Zigic	SCG	13	0	6	2
GL	Open International	POL	16	6	0	0
KZ	Kazan cup	RUS	39	6	35	11
KH	Kharkiv Cup	UKR	23	8	18	12
SC	Scania cup	SWE	46	6	30	8
DK	Nordic Cup	DEN	48	7	26	6
AN	Antonov Cup	UKR	34	11	24	16
VJ	Vörös Jeno Memorial	HUN	49	10	8	7
ML	Odesa Black Sea Cup	MLD	42	11	20	15
HC	Huron Cup	CAN	10	0	10	3
BZ	Buzau Cup	ROM	50	6	35	8
PT	Poitou	FRA	122	33	62	15
SW	Summer Cup	POL	14	1	4	4
IK	Izet Kurtalic	BIH	23	0	12	5
SZ	Salzland cup	GER	64	12	38	13
IS	Israel FF Champs	ISR	66	6	17	2
UN	Una Cup	BIH	11	1	8	2
EF	Eifel Pokal	GER	68	8	51	10
CC	Canada Cup	CAN	13	2	6	6
SA	Siscia Cup	CRO	27	5	10	7
AV	Cup of Aviaprom	RUS	53	6	27	25
SH	Stonehenge Cup	GBR	32	3	18	3
KC	Krka Cup	SLO	57	8	23	5
SR	Sierra Cup	USA	21	1	13	12

F1A-Junior

1	Veronika Vivchar	UKR	158	PT-1	KH-1	EF-1	SH-1	ML-4	AN-3	12	Brett Mitchell	AUS	100
2	Janis Zarins	LAT	154	PZ-1	SC-1	BZ-1	DK-3	BC-5		13	David Krasznai	HUN	92
3	Dmytro Levchenko	UKR	146	ES-1	ML-1	AN-2	PT-14	KH-3		14	Nino Mekicar	SLO	91
4	Istvan Szentpeteri	HUN	142	SM-1	SA-1	PZ-2	NC-3			15	Teemu Taponen	FIN	86
5	Matthew Cuthbert	GBR	125	HL-1	VT-1	PT-5				16	David Kamrla	CZE	82
6	Bostjan Bagari	SLO	122	KC-1	SB-1	SU-5	PZ-6	PT-12	SA-3	17	Mihkel Joala	EST	81
7	Tomasz Drozdziński	POL	117	GL-1	LC-2	AN-4	SU-4			18	T Stalhandske	SWE	81
8	Gabriela Domokova	SVK	117	VJ-1	LC-1	PT-13	PZ-3			19	Johannes Seren	GER	77
9	Snizhana Mozyrska	UKR	112	KH-2	AV-2	ML-3	PT-7	AN-5		20	Eldar Ahmetov	EST	76
10	Daniel Findahl	SWE	111	DK-1	HL-3	SC-3				21	Assaf Keven	ISR	72
11	Viesturs Berzins	LAT	107	BL-1	ES-3	NC-5	PZ-7			22	Niels Wijnhoven	NED	72

F1C

1	Reinhard Truppe	AUT	155	SU-1	PT-1	SA-1	UN-1	KC-1	SC-2	DK-2	HL-2	BZ-3	VJ-4	NC-5	IK-2
2	Laszlo Patocs	HUN	151	VJ-1	SB-1	LC-1	SM-2					27	Gil Morris	USA	64
3	Bob Gutai	USA	145	CC-1	HC-1	MM-2	SR-3					28	Stafford Screen	GBR	63
4	Juri Roots	EST	145	ES-1	DK-1	BL-2	SC-4	BZ-4				29	V Sichev	UKR	57
5	Roy Summersby	AUS	140	OM-1	SN-1	KU-2	AC-3					30	Andrei Kirilenko	USA	55
6	Eugene Verbitsky	UKR	137	PZ-1	AN-2	ML-2	MM-3	SR-4	AV-11	KH-6		31	Leonid Fuzeyev	RUS	54
7	Victor Semenyaga	UKR	133	KH-1	ML-1	AV-4						32	C P Wachtler	GER	52
8	Kaarle Kuukka	FIN	123	BL-1	HL-1	ES-6						33	Alex Molchanov	UKR	51
9	Marek Roman	POL	123	SU-2	NC-2	SW-2						34	Rolf Stabler	GER	51
10	Timo Niiranen	FIN	122	BC-1	ES-2	HL-3	PT-7					35	Sergey Katyba	UKR	51
11	Janos Szecsenyi	HUN	122	NC-1	SA-2	VJ-3	LC-3					35	Andres Lindner	GER	51
12	Gabor Zsengeller	HUN	107	DZ-1	SA-3	PZ-4						37	Jon Fletcher	AUS	51
13	Claus Gretter	GER	103	VJ-2	NC-3	ES-3	SZ-7	PT-8	PZ-6			38	Henning Nyhegn	DEN	50
14	Artem Babenko	UKR	102	AV-2	ML-3	KH-4	PZ-9	AN-5				39	Alan Jack	GBR	50
15	Helmar Clement	GER	87	SC-3	DK-3	SZ-4						39	Mirko Karanovic	SCG	50
16	Raimond Naaber	EST	87	BC-2	ES-4	BL-5						41	Franco Gradi	ITA	43
17	Edward Carroll	USA	79	SR-2	ML-7	AN-8	MM-11					42	Uwe Glissmann	GER	42
18	Pawel Krawczyk	POL	76	SW-1	SU-4							43	Jury Opevalov	RUS	41
19	Aleks Vjacheslav	UKR	75	AN-1	ML-5							44	Michel Reverault	FRA	41
20	Kenan Jusufbasic	BIH	75	IK-1	SA-4							45	Bill East	AUS	41
21	Gerhard Aringer	AUT	74	SZ-1	PT-5	EF-2						46	E Condon	CAN	40
22	Roger Simpson	USA	71	SR-1	MM-9							47	Robert Hegenbart	AUT	40
23	V Tregubenko	UKR	71	IS-1	AN-6							47	Edward Burek	POL	40
24	Borislav Bardarov	BUL	70	SB-2	KC-3							49	Rex Bain	NZL	40
25	Igor Andriushenko	UKR	69	KH-2	ML-4	AN-7						50	F Rushby	GBR	40
26	Peter Nash	AUS	65	SN-2	AC-4							51	R Guadagno	ITA	33

1	Per Findahl	SWE	150	SC-1	VJ-1	PT-2	ES-3	BZ-3	HL-4	BC-4	SH-4	BL-7	DK-16	VT-2		
2	Vladislav Lazarevich	UKR	144	AN-1	SW-1	HL-2	BL-2	VT-4	ML-12	KH-12						
3	Mikhail Kochkarev	RUS	144	BZ-1	AC-1	MM-2	SR-2	SN-3	OM-3	SC-5	KZ-9	DK-14	AV-11			
4	Pieter de Boer	NED	137	KC-1	SZ-2	DK-2	NC-4	EF-7								
5	John Carter	GBR	134	SH-1	VH-1	HL-3	EF-4	SU-7	VT-6	BZ-14	DK-19	BC-21				
6	Sergei Makarov	RUS	130	HL-1	AV-1	SR-4	SC-6	DK-8	MM-19	BZ-23	KZ-7					
7	Lee Hines	USA	130	KU-1	AC-2	OM-2	SR-5	SN-10								
8	Victor Stamov	UKR	123	SZ-1	VT-1	SR-6	HL-21	MM-21	AV-24							
9	Vasily Bezchasny	UKR	120	IS-1	KH-1	ML-10	AV-20	AN-15								
10	Jari Valo	FIN	108	PT-1	VT-3	BC-6	HL-6	SH-6	KC-11	PZ-14	BL-11	ES-12				
11	Bo Nyhegn	DEN	107	DK-1	SC-3	PT-7							35	Mikael Holmbom	SWE	73
12	Rudolf Holzleitner	AUT	106	NC-2	VJ-2	KC-5	EF-10	PZ-13					36	Bronislav Gablas	CZE	73
13	Helmut Fuss	AUT	106	SU-1	KC-3	NC-5							37	Kimmo Kulmakko	FIN	72
14	Veronika Vivchar (J)	UKR	102	KH-2	SH-3	PT-4	EF-11	ML-21	AN-10				38	Robert Lesko	CRO	72
15	Alan Jack	GBR	99	SC-2	SH-2	DK-10							39	Robert Hellgren	SWE	71
16	Bohuslaw Ryz	CZE	98	DZ-2	LC-3	VJ-4	SU-13	BZ-16					40	Ferenc Kerner	HUN	71
17	Attila Szekelyhidi	HUN	98	SM-1	NC-3	SB-8	SA-11						41	Andres Lepp	EST	70
18	Petri Kuikka	FIN	97	ES-2	BC-3	PZ-7	NC-11						42	Jim Parker	USA	70
19	Brian van Nest	USA	95	SN-1	AC-4	KU-5	OM-6	MM-9	PT-13	SR-10			43	Tom Cousens	USA	69
20	Roland Koglot	SLO	93	IK-2	KC-4	DZ-4	VJ-5	UN-3					44	Robert Sifleet	USA	68
21	Chris Z Lenartowicz	CAN	92	CC-1	PZ-6	NC-8							45	Matti Lihtamo	FIN	67
22	Sigitas Jakutis	LTU	91	PZ-2	EF-3	ES-12	LC-13	BL-17					46	Bostjan Bagari	SLO	66
23	Anton van Eldik	NED	91	EF-1	PZ-5	SU-15	SH-16						47	Wojciech Siodmok	POL	65
24	Christoph Bachmann	SUI	90	NC-1	PT-6	BZ-12	HL-15	EF-22					48	Thomas Weimer	GER	64
25	Ivan Treger	SVK	90	LC-1	VJ-6	SU-10							49	Maarten van Dijk	NED	63
26	Rob Wallace	NZL	86	OM-1	AC-6	SN-8							50	Snizhana Mozyrska(J)	UKR	60
27	Milos Bordjoski	SCG	82	VJ-3	DZ-3	UN-5	SB-9	KC-18	IK-11				51	Istvan Szentpeteri	HUN	60
28	Dmytro Levchenko(J)	UKR	82	ML-3	ES-4	KH-4	AN-8						52	Mario Omrcen	CRO	59
29	Gerhard Aringer	AUT	81	PZ-1	SZ-13	SU-16	PT-21	EF-15					53	Sergey Terentiev	RUS	59
30	Damjan Zulic	SLO	81	SA-1	SM-3								54	Rimas Indrisonis	LTU	59
31	Yuriy Evdokimov	RUS	80	DK-4	AV-4	ML-4	BZ-5	SC-10	AN-13	KZ-13			55	Mica Tica	YUG	58
32	Antony Koerbin	NZL	80	KU-2	AC-5	OM-5	SN-7						56	Bernard Trachez	FRA	57
33	Phil Mitchell	AUS	80	AC-3	KU-4	OM-4							57	Stefan Hubert	SVK	57
34	Anders Persson	SWE	75	BC-1	VT-5	HL-24	BZ-24						58	Andreas Rink	GER	56

1	Anselmo Zeri	NED	164	PT-1	EF-1	SU-1	SC-7	HL-15	PL-9										
2	Radik Khuziev	RUS	158	HL-1	DK-1	AV-1	SC-5	BZ-16	MM-19	KZ-7									
3	Bernd Silz	GER	157	PL-1	SC-1	KC-1	DK-2	VJ-2	SU-3	HL-4	SZ-11	EF-19	PZ-16						
4	Ivan Kolic	YUG	153	SB-1	NC-1	SR-1	UN-1	DZ-2	SZ-4	VJ-4	PZ-7	EF-7	SM-3						
5	Russell Peers	GBR	152	VT-1	SH-1	VH-1	BC-2	HL-3	DK-6	MM-10	PL-10	EF-22							
6	Terry Bond	AUS	147	AC-1	KU-1	SN-1	OM-5							35	Eric Crins	NED	68		
7	Anatoly Rybchenkov	RUS	147	BZ-1	KH-1	KZ-2								36	Alexei Bukin	UKR	68		
8	Rolandas Mackus	LTU	145	ES-1	BC-1	BL-2	LC-3	SC-4						37	S Molchanov	UKR	68		
9	Ladislav Horak	CAN	141	HC-1	CC-1	KU-2	MM-5	AC-5						38	Juhani Isotalo	FIN	66		
10	Klaus Salzer	AUT	122	SA-1	LC-2	KC-3	PL-6	SU-9	BL-9	PZ-14	HL-18			39	Peter Sikora	AUS	66		
11	Vladimir Vivchar	UKR	121	PZ-1	VT-2	AN-3	ML-3	EF-8						40	Arthur Chik	UKR	65		
12	Igor Vivchar	UKR	119	AN-1	VT-2	AV-3	ML-4	EF-15	PZ-20	PT-22				41	Hans Schoder	SUI	62		
13	Radoje Blagojevic	YUG	116	SM-1	SB-2	IK-4								42	Milan Novy	CZE	60		
14	Andreas Gey	GER	112	SU-2	SC-2	DK-4	SZ-6							43	Danko Sokolic	CRO	60		
15	Pim Ruyter	NED	109	MM-2	PT-3	EF-4	SR-4							44	Henk van Hoorn	NED	57		
16	Heiko Helmbrecht	GER	101	SZ-2	PT-4	PZ-4	PL-5							45	Jim Bradley	USA	55		
17	Stepan Stefanchuk	UKR	96	AN-2	PZ-3	HL-8	MM-15							46	David Thorsen	SWE	55		
18	Viktors Rosonoks	LAT	95	ES-2	BL-4	BC-4	SC-6	DK-10	EF-18	BZ-18	PZ-22			47	John Malkin	NZL	55		
19	Janne Isotalo	FIN	93	BZ-2	ES-4	VT-4	BC-9							48	Istvan Kocsis	HUN	55		
20	Hagen Stendal	GER	93	SZ-1	DK-5	SC-9								49	Wim Feijth	NED	54		
21	Vlad. Romanchenko	UKR	90	BL-1	AN-5	ML-9								50	Serge Tedeschi	FRA	53		
22	Laurynas Girceys	LTU	89	LC-1	PZ-8	ES-7	BL-8	SC-10	HL-19					51	Valery Afanasjev	RUS	53		
23	Teppo Sarpila	FIN	87	KC-2	SZ-5	PZ-6	SU-6	BL-12						52	Varadi Mihaly	HUN	53		
24	Dieter Paff	GER	87	EF-2	PL-2	PT-17	SZ-13							53	Alex Andriukov	USA	51		
25	Oleg Kulakovsky	UKR	83	PT-2	KH-7	ML-8								54	Evgeny Gorban	UKR	51		
26	Michael Woodhouse	GBR	81	VH-2	PL-3	EF-20	PT-7							55	Giora Herzberg	ISR	51		
27	Viktor Starostenko	UKR	77	KH-2	ML-7	ES-9								56	Malik Cabaravdic	BIH	51		
28	Yury V Evdokimov	RUS	76	SC-3	KZ-5	BZ-6	ML-6	DK-9						57	Rudolf Trumpf	SUI	50		
29	Anatoly Zastavenko	UKR	75	BZ-4	KH-4	ML-5								58	Andrey Burdov	RUS	50		
30	Michael Woolner	GBR	73	BC-3	HL-5	PL-8	SU-8							59	Bosko Lacimic	SCG	50		
31	Yrjo Waltonen	FIN	70	SR-3	BC-6	NC-6	VT-6	PZ-11	SU-11	ES-10	BL-11	MM-13							
32	Jozsef Krasznai	HUN	70	VJ-1															