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Editorial 2011 is up and running! For the 7th Catalunya Cup report below (beside?!?), read that, up and running, very fast downwind!! Plenty in this issue to keep us entertained.

S7-Scale got a comprehensive workout last time and thanks once more to USA's Chris Flanigan and Ryan Woebkenberg for their exemplary contributions. Changes are definitely needed to get things back on track and yet responses coming the Editor's way have flagged up an issue. Space modelling has not been slow to implement changes to classes, making airframes - rockets and gliders - obsolete, when we went for bigger models and modified impulses. Terms like 'quantum changes' and 'paradigm shift' have been used to emphasise what's needed in S7-Scale. We'd be very brave to consign the existing array of S7-Scale models to the scrapheap! Whatever we do, we must make sure that we don't 'pull the rug from under ourselves', or we might lose S7-Scale forever. And if we lost (smashed?!?) the 'Shop Window', we might lose the rest of Space modelling just after.

But more cheerfully, 2011 looks like being a classic year and a report of the Belarus Cup 2011 and Tessin Olza Cup 2011 are included within. We are also indebted to Jason Wentworth for copying us into hitherto unseen details of Argentina's rocketry programme, as well as his own personal involvement. Plenty more on the agenda for 2011 and the next issue likely to be packed with World Cup reports. Hope you enjoy this issue, enough from me.

7th Catalunya Cup ~ Lleida-

ESP – 26-27 February '11

..early doors...and the wind still roars! ...but the beer still pours!

FEBRUARY is too early to start Space Modelling! Notwithstanding this, Esther Roura put on a marvellous event, albeit marred by high winds and resulting losses. Lot of delays getting these results out, so let's get straight into the podiums..

S4A-Boost Glider World Cup (16 starters)

1 Boris JENKO SLO $106\ 161\ 189 = 447s$ 2 Jordi ROURA MISSE ESP 150 111 162 = 423s 3 Mike FRANCIES **GBR** 163 180 23 = 366s S6A-Streamer Duration World Cup (16 starters) 1 Marcal CAMPANO **ESP** $172\ 126\ 115 = 413s$ 2 Mitija ZGAJNER SLO 180 75 63 = 318s 3 Boris JENKO SLO 180 79 58 = 317sS9A-Gyrocopter Duration World Cup (11 starters) 1 Jordi ROURA FONT ESP $73\ 180\ 157 = 410s$ 2 Zan FRIDAU SLO $92\ 110\ 137 = 339s$ **ESP** 3 Jesus MORAN 152 DQ 165 = 317s S8E/P-RC Rocket Glider Spot World Cup (3 starters) 1 Mitija ZGAJNER SLO 812 1000 1000 + flyoff 1000 = 3812pts2 Mike FRANCIES **GBR** 1000 677 975 + flyoff 0 = 2652pts3 Liviu BOTUSAN ROM 562 594 363 + flyoff 132 = 1651pts

The FAI Jury experienced some 'musical chairs' through the classes, but consisted mainly of Carles Aymat (ESP), Neus Misse (ESP) and Boris Jenko (SLO). RSO Miguel Angel Tur did very well under challenging conditions of gale force winds, as did all the timekeepers.

Argie bargie... Argentinia's rocket programme and more by **James Jason Wentworth**

ALASKA comes forth with some magical stuff...and nothing better than this collection from Jason Wentworth. Not many people know a thing about Argentina's rocket programme...or that they even had one! That is, apart from a habit of firing *Exocet* missiles from *Super Etendard* fighter-bombers at Royal Navy ships in 1982! Over to Jason to put us right on all this...

While looking for more scale data on the Argentinian *Tronador I* test rocket which I found--please see: www.oldrocketforum.com/showthread.php?p=113725#post113725

..and below. I also came across "Peter Alway-style" dimensioned drawings and decor scheme drawings of numerous Argentinian and Brazilian sounding rockets, which were prepared by an Argentinian experimental amateur rocketry group called "*Grupo Artax de Modelismo Espacial*" ...see:

http://www.grupoartax.com.ar/default.html
The direct drawing links are below:

The Argentinian sounding rocket and test rocket plans the links are on this page:

http://www.grupoartax.com.ar/Cohetes_ar.html

.. include the Alfa Centauro, Beta Centauro, Gamma Centauro M1, Gamma Centauro M2, Orion I, Orion II, Canopus I, Canopus II, Rigel, Castor M1, Castor M2, Antares, Tauro M1, Tauro M2, PBX 100/10 (test vehicle), and Tronador IA (test vehicle).

Also, at the bottom of the above-linked page are drawings of two Orion II BIO rounds, a Canopus II BIO round, a Proson M 1 round, a Clag I round, a Clag II round, as well as drawings of several ballistic missiles--the Condor I, Condor I A-III, Condor II, and Alacran. Below these are drawings of several planned and cancelled

rockets. In addition. The Brazilian sounding rocket and test rocket plans (they are on this page:

http://www.grupoartax.com.ar/cohetes br.html

.. include the Sonda I, Sonda II (early version), Sonda III, Sonda III-A, Sonda IV, VS-30, VSB-30, VS-30/Orion (two rounds), and VLS-1 (satellite launch vehicle).

Editor's note In his researches, Jason discovered something quite extraordinary. He has a direct connection with the 1982 Falklands Conflict, when Gen. Galtieri's forces invaded the Falkland Islands-Los Malvinas, provoking a determined response from the UK. But now, back to Jason..

..From what I've read about the *Tronador* ("Thunderer" in Spanish), the program is based on the vestiges of Argentina's *Condor II* missile effort - which they abandoned in 1993 under economic pressure from the USA - which was directed toward developing a ballistic missile capable of striking the Falkland Islands from their mainland.

Since the *Tronador* (although it is a civilian program) has some Argentinian Air Force sponsorship, this has many world leaders wondering if Argentina might still have a ballistic missile capability in mind as a spin-off of the satellite launch vehicle program...

After I found that "mother lode" of ready-to-use scale drawings of Argentine and Brazilian sounding rockets on the web site of that Argentine amateur & experimental rocketry group last night, it got me thinking about the 1982 Falklands War between Great Britain and Argentina, see: http://en.wikipedia.org/wiki/Falklands_War

Strangely enough, I have a connection of sorts to that conflict, please read on. In the mid-1970s, an Argentine Navy submarine visited the Port of Miami, and she was open for the public to tour her during her stay in port. This vessel, the *ARA Santa Fe*, was a World War II era US Navy submarine launched in 1944, with the name *USS Catfish*, check out:

http://en.wikipedia.org/wiki/ARA Santa Fe (S-21 [the link on that page that says "Did you mean: ARA Santa Fe (S-21)" will open the article]. My mother, father and I went aboard her and the word that best describes the accommodation is "cramped." Serving aboard a submarine is definitely not a job for the claustrophobic! She was immaculate inside and out, but space was at such a premium onboard that the crewmen's bunks in the torpedo rooms had torpedoes stored under them! Also, I

couldn't imagine a scarier place to be in wartime - with deafeningly loud depth charges going off all around and any one of which might do everyone in...there's no place to run! Even on a battlefield one can run 'somewhere'. My uncle Henry was a submariner in World War II who suffered an attack with depth charges and I'm amazed that he retained his sanity after going through that. Let's 'fast forward' a few years to 1982:

The ARA Santa Fe was one of only two Argentine Navy submarines - the German-built ARA San Luis was the other - which were operational at the time of the Falklands War. After participating in the Argentine invasion of the Falkland Islands, including transporting Argentine marines and supplies, she was depth-charged by a British Wessex anti-submarine helicopter, which rendered her incapable of submerging. While struggling back to port on the surface, a British Lynx helicopter fired a torpedo at her, which missed and strafed her with machine gun fire, as had the original Wessex helicopter. Three Wasp helicopters based on British surface vessels fired air-to-surface missiles at her which scored hits. ARA Santa Fe's crew and Argentine marines onshore tried to fight off the attack by firing rifles, machine guns and an old anti-tank missile at the British aircraft, but the sub was too badly damaged to submerge, or even flee on the surface. Her crew abandoned the listing submarine at a jetty on Prince Edward Island and surrendered, along with the Argentine garrison, to British forces. She flooded and sank alongside the pier, with only her conning tower visible above the water, see:

http://www.rna-10-area.co.uk/images/sail3.jpg#prof. In February 1985, the Royal Navy re-floated her, towed her out to sea and scuttled her.

When my parents and I walked the decks of that well-maintained, but obsolete, submarine in the mid-1970s, we could never have dreamed that she would go to war again, let alone so soon!

Editor's note.. WOW...what a collection of stuff here! For good measure, Jason throws in the following:

Here is a link to photographs of the *Bullpup-Cajun*, Aerobee 75, *Dualhawk* (Sandhawk-Tomahawk), *Hydra-Sandhawk*, *Nike-Nike-Deacon*, *Nike-Nike-T40-T55*, *Nike-Nike-Triple Deacon-T40*, *Sparoair II*, and *Sparoair III*. http://forum.nasaspaceflight.com/index.php?topic=23015.0

S7, Internats' Teams and other stuff.. by Manuel Mejia

ALL Sorts, interspace.. gets *all sorts* to publish. Just super to have a wide angle view on Space Modelling. Over to Manuel..

"I'VE GIVEN some thought to the S7 reform issue that was in the last **interspace.** Over the last 60 years, there have been numerous photos taken of various rockets. A good example can be seen at:"

http://stellar-views.com/Photos_Missiles_Rockets.html or..http://rocketdungeon.blogspot.com/2007/05/photos-of-odd-interestingvintage.html

"FAI should scrap the existing rules and start afresh. Get a single picture of a scale subject from a distance, get basic measurements of said vehicle and detail to the level of the photo. Do a scale drawing to go with rocket as shown on the photo and allow for compensation if smoke obscures something like a fin. Photo interpretation would be acceptable for documentation. "Detailing down to every unique screw, bolt, and abrasion has taken away from the safety of the event. Many rocketeers and observers would rather see and fly stable, successful rockets than see, or build, an obsessively detailed vehicle that took 2 years to assemble and is a pile of wreckage shortly after ignition. I myself would NEVER try an S7 entry since the family would have me committed for mental instability!" "I sent a submission to interspace.. , suggesting that S7 be overhauled and made into a "sport scale" type of event. All entries would be based on a single photo with blueprints photo interpreted from said image. That would end the Saturn-1B/Soyuz/Bumper-WAC/Nike Tomahawk clones that get entered over and over again."

"interspace.. has been asking questions about FAI rules in the last few issues. One issue that I have to note is the fact that it is much the same competitors at each Internats [World Space Modelling Championships –Ed]. Team USA membership has become almost a dynastic succession. There's a high percentage of son and daughters of old Team USA members in the mix. In addition, I was also not impressed with flyoffs [Team Selection trials –Ed] that did not necessarily select the best flyer in the Juniors' categories."

Editor's note.. Difficult, it's really difficult and a paradox too. S7-Scale is our 'Shop Window' class and the rockets <u>need</u> to be truly special. But...truly special means dicing with all the stuff I covered in S7-Scale ..ing down?!? last time. But yes, maybe we should tear up the existing Rules and start with a fresh sheet of paper. Trouble is, we want jam on it [re-read my Editorial too – Ed].

Team USA was spectacular at the 18th/9th World Space Modelling Championships, in Srbija, last August. The size, quality and presentation of the Americans were without equal and the event status was bolstered significantly by their presence. Naturally too, interspace.. cannot comment on any nation's team selection procedures – no details available AND...none of the Editor's business.

I think it's inevitable that sons and daughters will follow parents, in activities like Space Modelling. In Srbija, offspring of other nations' Seniors did significantly better too! More mainstream and nearer to home, on the day I pecked this, Oxford and Cambridge Universities were preparing for their famous Boat Race. Now, Sir Steve Redgrave is our most famous Olympian, having won Gold on FIVE occasions, in Rowing events, now retired (tho' never rowed in The Boat Race..). Wife, Lady Ann Redgrave is a Doctor. A few years ago, daughter Natalie proclaimed to parents and media that she would "..never row" and would "..never become a Doctor!" There is also a Ladies' Boat Race and in the Oxford boat was a young lady called Natalie...and Oxford Ladies won comfortably. And ves, she's reading *Medicine* too!?!

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2011 MRK Motors! ... Marian

Krause comes to the rescue..

MARIAN KRAUSE...legendary Romanian, comes on line with a novel range of contest motors for the new season. A truly exciting array from a novel manufacturer. Full technical details are available from the everhelpful Marian Krause:

krause_marian@yahoo.com		basic	basic details below:		
1/2A1-4	1/2A4-1/0	A1-5	A2-3		
A2-5	A3-1/0	A4-1/0	all €1.70 each		
B2-5	B4-1/0	B5-2	all €2.50 each		
C7-2			€3.70 each		
3/4D7-0			€4.80 each		
D4-0RC	D11-3		€5.50 each		
3/4E4-0	RC E20-2		€5.60 each		

The motors may be produced with other delay times too, including zero delay (0s). Each motor series is regularly screened for compliance and consistency. Motors have already been scrutineered at the World and European Championships. Marian Krause guarantees the quality of the products for a period of two years, if stored properly and used correctly. Naturally, all motor types are in full conformity with the requirements of FAI-CIAM Sporting Code, vol. X, section 4d – Space Models.

Golden Jubilee time!!

...videos, FaceTube, YouBook, forums...even books.. Srdjan Pelagic

I WISH to remind you that the 50th Anniversary of Space Modelling is next year — in 2012! We should not leave it out of our sight. There are many instructions, comments, videos, results etc. posted at different ports in many countries, but — and I don't want to sound old-fashioned.. - only

when you hold the printed word in your hands do you have a real testimony of part of Space Modelling's history!

1. In recent times, UK's Stuart Lodge [who dat?!? – Ed] has done a great job preparing the second edition of his book: *Model Rocketry-Space Modelling*,

...published again by *Traplet Publications Ltd* after ~15 years. This edition fully updated and simplified for beginners, but still containing lots of brilliant drawings, photos and technical data. The price of this book is £12.95, or \$19.95. Available from:

Traplet Publications Ltd

Traplet House

Pendragon Close

Malvern

WR14 1GA ~ United Kingdom

+44(0)1684 588500 enquiries

+44(0)1684 588599 orders

+44(0)1684 578558 fax

hello@traplet.com email

www.traplet.com web

<u>2.</u> I hardly need to remind you all, that our Space Modelling historian, Prof Ioan Radu, from Targoviste – Romania, is also finishing off a book entitled:

International Spacemodelling

...this is the first comprehensive history of Space Modelling. It will cover SM activities in all countries from our first stumbling steps far back in 1957, when G. Harry Stine & Orville Carlisle founded our activity, right up to the present day. This will be published in both Romanian & English and available in printed and CD format. You should confirm your interest in this book - and prepayments - to:

"Radu Ioan" <u>astronautica targoviste@yahoo.com</u>
This priceless book will appear no later than the 2011
FAI European Championships for Space Models, August 2011 and we will promote it, at our SM sub-Ctte meeting in Buzau.

I call on all other SM writers to send me information about their latest works, regardless of the language in which this book is to be published. Also, I would appreciate details of any new SM or related magazines.

OBITUARY NORMAN SCOTT KEAT

1938 – 2011
PROPRIETOR ~ THE MODELLER'S DEN
by the Editor

"..and Lycra encouraged", was cited in the Bath Chronicle in the funeral's dress code, on 14th March 2011! Norman died in Bristol Royal Infirmary, following surgery on his right lung, on 1st April '11.

The 'Den I've known Anne & Norman Keat since my teens...keen junior aeromodeller and customer of The Modellers' Den, in Bath. They bought the place from Fred Lee in 1968 and rapidly broadened its spectrum of interests. Norman's personal buzz was Slot Cars (like Scalextric..) and helped develop a successful racing group, at Percy Boys' Club. The 'Den featured slot cars, plastic kits, model aircraft, boats, plus accessories for all and the place went from strength to strength. Space Models were not to feature until very much later!

The Growth A synergy was formed with local model clubs of all denominations, seeding growth throughout. I'll focus on MACs - Model Aircraft Clubs - because that's what I know about and Bath MAC, South Bristol MAC, Bath SPARCs and Bristol & West MAC, just a few of the beneficiaries. What was good, became even better in 1970, when Anne & Norman acquired a corresponding shop in Bristol. Another in Cheltenham followed in 1972 and things were taken to a different level...the world of Modelling fairly flourishing. Worth flagging up how successful Bath MAC flyers were to become - Chris Batty, Ernie Burles,

John James, Andy Cox and later, your Editor, representing the UK at Aero/Space Modelling World & European Championships and World Cups, for the next four decades.

Censored... Newbridge Hill parties!?! ..can't leave these out! But they started almost accidentally, when a student lodging at the Keats won 9 gallons [41 litres] of beer.. This was in the early-1970s - utterly stellar and 'brought together' folk from all over; modellers, business people, local politicians, sportsmen.. What went on?!? ..just about everything, not that I remember too clearly! Parties aplenty and we learned how to live..

Wind Down The 'Den in Bath was sold to Stan Wilde in 1983; Bristol and Cheltenham following soon after, giving Anne and Norman more time to spend looking after their disabled son, Richard and generally leading a more 'normal' life.

Closer to home, the Keats arrived in Bath when I had just lost my father and no words too strong to describe how much personal support they provided for several years following. I'd likely have given up Model Flying without them...and if I had?!?

"...and Lycra encouraged"... Nearly forgot! Norman was a keen club cyclist for much of his life - a member of Bath Cycling Club - and always glad to discuss ProTour teams, technicalities, races and the doping! A common interest, we rode 2008's BHF Wiltshire Bike Ride together. Bath & Chippenham CCs were well represented at the funeral...properly attired!

Norman is survived by Anne and sons John, Rob & Richard...I'll miss him, Norman was my mate.

Golden Jubilee time...again!!

...Yuri Alexeyevich Gagarin - the

Big Blast Off! by Srdjan Pelagic 12th April 1961...the day the World shook! 2011 is the 50th Anniversary of the first manned flight into Space. Let's remind ourselves...on this day half a century ago, the first cosmonaut, Yuri Alexeyevich Gagarin from the old CCCP, blasted off from the Kosmodrom in Baikonur and orbited the Earth, during a flight lasting 108 minutes. He became the first man in Space. Only a month later, USA's Alan B. Shepard jnr made a suborbital flight of some fifteen minutes.

These two manned flights started the Space Race that came to a climax in 1975, with the joint USSR-USA project Soyuz-Apollo. Cosmonauts and astronauts from these two countries and ideologies shook hands in Space when their two spacecraft successfully docked.

Today, we regard space flights as routine. Many countries put satellites in orbit. China has come onstream with manned spacecraft and looks likely to do much more. Joint projects and combined crews from different countries - including indulging *SpaceTourists* - is nothing peculiar today, but normal and desirable. Contemporary mission commanders of space flights are seeking new frontiers: a. to return a man to the Moon

b. to take a crew to Mars during the next 50 years ... I ask our friends from Russia and Kazakhstan to extend our congratulations to the professional spacemen at the Kosmodrom, in Baikonur.

At this mythical place, Space Modellers from all over the world enjoyed stellar hospitality during the 16th World Space Modelling Championships, in 2006 and the 1st Open Asian Spacemodelling Championships, in 2007. We enjoyed great times there, indulged a fantastic Championships and had the opportunity to visit and see all the facilities where the spacecraft are built and the launch sites from where they are launched. Some of us were

privileged to meet a reserve space crew and enjoyed watching the launch of one of the manned spacecraft.

A special treat for us was for the Space Models sub-Committee Meeting in 2006 to be held in the hall where manned space flights are officially announced to the media and where space crews hold their press conferences, prior to each flight.

We should not forget that the products of professional spacemen spawned that novel, most attractive class of Space Modelling...S7-Scale! The class that attracts the interest of public & media and the best promotional tool for Space Modelling, anywhere in the world.

STOP PRESS... Related, the following reached the Editor's desk on 2nd May '11..

"FAI President, Dr. John Grubbström, has been honoured with the prestigious Yuri Gagarin Medal. It was presented by Andre Pomorenko of the Federation Aeronautical Sports of Russia at the recent CIAM Plenary Meeting".

"The medal was presented on behalf of the Federation Aeronautical Sports of Russia in commemoration of the close association of the Federation Aeronautical Sports of Russia and the FAI since Yuri Gagarin's "first man in space" flight on 12th April 1961, which was recognised by the FAI as a World Record".

"By awarding the FAI President with the Yuri Gagarin Medal, the Federation Aeronautical Sports of Russia wished to celebrate both the fiftieth anniversary of the flight and the association with the FAI".

Kind regards, Faustine CARRERA FAI Communications Manager

Novel Space Modelling...

...FAI's Guy Revel thinks outside the box

WE NEED original ideas to take Space Modelling into the 21st Century. Sometimes, people on the outside looking in, can have some super ideas that established experts wouldn't have dreamed of. Guy Revel travels round the spectrum of CIAM activities and put together the following. Over to Guy..

"SPECTATORS...we need to keep them happy. This is an idea for spectator-friendly space models' event. The basic idea is to set up an event as a parallel team race. A team would be made up of two competitors, each with a different space model.."

- Model 1: Based on S2-Payload specifications. The nose section is a container including RC equipment, Rogallo wing and a payload. [see Editor's note..]
- Model 2: Based on S8 specifications, but able to carry the same payload as Model 1

How it works: "Two teams compete simultaneously, the winner is the one finishing first.." "Two identical payloads are placed on a display board. A start signal is given and both team members take a payload, load it in Model 1, and launch the model. At burnout/ejection, the payload bay, supported by the Rogallo wing, must be landed as quickly as possible and nearby. The payload is removed and brought to hos colleague, who loads it in Model 2 and launches away. At Model 2 motor burnout, the rocket glider must be flown through a course eg. the "distance course" - 4 x 30m in F6D 2011 proposal - then landed as quickly as possible and the payload taken back to the initial display

board. The first team replacing the payload back on the board is the winner."

"An option would be to replace the static payload with photographic equipment - as was done in the early days of space modelling. This gear is now very easily available, very light and cheap. The task of the boost glider, instead of flying the distance course, would be to overfly a target marker on the ground and take a photograph of it."

"At the end of the task, instead of returning a payload to the display board, team member 2 would bring back the SD card and insert it in a computer reader. The first team to display the photograph showing the target - maybe displayed on a giant screen at WAG - is the winner. Naturally, if the photo does not show the target, the team is DQ'd."

"The winning team goes onto the next stage...until only two teams remain for the final. A knockout system, like a Tennis tournament."

explanation...Guy's original text described Model 1 as being 2-staged, whereas, in fact, payload, RC gear and Rogallo wing are all stowed in the nosecone. Model 1 is boosted with a single motor and therefore, SINGLE-staged. Certainly aimed [sic] at the Spectator...you could almost test these concepts with an S8E-RC Rocket Glider. Both these proposals are an 'outsider's' viewpoint, but no less valuable for that.

Payloads....could we not consider a Golf ball? Not just for the proposed classes above, but maybe for the 'existing' class S2-Payload. Golf balls are globally available, relatively cheap and all identical.

Belarus Cup 2011... Lida-BLR

5-8 May 2011

EARLY doors in Cataluyna, but the World Cup returned to hibernation before getting going...or at least before results started coming in! DOSAAF and *Belarussian Federation of Airsports* responsible for this event. Not many details, though the Jury report cites a delay because of 'military aircraft activity'...nothing shot down though! Off to the podiums:

S1A-Altitude Juniors (3 starters)

1 Artsian KULAKOV	BLR	146m
2 Siarhei YEMIALANC	VBLR	144m
3 Kiryl ZHABRAVETS	BLR	128m

S1B-Altitude Seniors (4 starters)

1 Ivan HILEVICH	BLR	319m
2 Yauhai CHASHCHI	EVICH BLR	258m
3 Aliaksandr LIPAI	BLR	218m

S4A-Boost Glider World Cup (10 starters)

1 Artsian KULAKOV	BLR	77 Ì80	67 = 324s
2 Aliaksandr LIPAI	BLR	56 180	80 = 316s
3 Dmitri KOROTIN	RUS	0 180	89 = 269s

S6A-Streamer Duration World Cup (14 start's)

1 Dmitri KOROTIN RUS 105 88 100 = 293s 2 Sergey KARPUSHKIN RUS 84 96 88 = 268s 3 Valeryi HRABOUSKI BLR 80 95 77 = 252s

S7-Scale World Cup (6 starters)

1 Aliaksandr LIPAI	BLR	Taurus Tomahawk
		613+ 75 = 688pt
2 Dmitri KOROTIN	RUS	Alazan
		530+130 = 660pt
3 Artsian KULAKOV	BLR	Jupiter-C
		447 + 95 = 538pt

S8E/P-RC Rocket Glider Spot World Cup (5)

1 Grigoriy SERGIENKO BLR 1000 1000 1000 +1000 = 4000pt 2 Yauhei CHASHCHEVICH BLR 538 259 555 +606 = 1958pt 3 Ivan HILEVICH BLR 141 116 134 +626 = 1711pt

S9A-Gyrocopter World Cup (13 starters)

1 Sialhai YEMIALYANOV BLR 160 135 180 = 475s 2 Ivan HILEVICHI BLR 171 110 180 = 461s 3 Kiril ZHABRAVETS BLR 141 116 134 = 391s

The FAI Jury of Alexis Koriapin, Vladimir Khokhlov (both RUS) and Eduard Romanov (BLR) had little to do, overseeing a fairly small event. RSO Vladimir Minkevich did well out on the range and Scale Judges Vasiliy Abramovich, Alekasandr Skaleban & Yuriy Onishichenko (all BLR) not too stressed out with the small – but diverse - S7-Scale entry.

Tessin Olza Cup ~ Tessin Olza-CZE – 14-15 May 2011

CONGRATULATIONS to CD Petr Roszak and his associates for a very successfully organised *Tessin Olza Space Models World Cup*. The FAI Jury of Joze Cuden (SLO), Vera Pavkova (CZE) and Lubomir Jurek (SVK) have great hopes that this event will become a regular feature in the calendar.

Unfortuntunately, Petr and all participants suffered from hideous weather conditions. The second day totally washed out in torrential rain and strong winds, meaning 'shop window' classes S7-Scale and S8E/P-RC Rocket Glider, were not flown. Well done to RSO Jan Maixner and S7-Scale Judges, Jiri Kaspar (CZE), Zigmunt Janecky (POL) and Bohuslav Kuda (CZE, who worked hard in the ahll, only for it not to count! To the podiums...note the start numbers, this was a Big One!

S4A-Boost Glider World Cup (40 starters)

S6A-Streamer Duration World Cup (56 starters)

1 Leszek MALMYGA POL 158 145 180 = 483s 2 Wojciech BOOROWSKI POL 135 88 120 = 326s 3 Mitija ZGAJNER SLO 100 92 109 = 316s

S9A-Gyrocopter World Cup (39 starters)

1 Vasil PAVLJUK SVK 180 155 135 = 470s 2 Jaroslav CHMELIK CZE 136 163 149 = 448s 3 Mateusz DYBA POL 180 164 94 = 438s

S7-Scale World Cup (10 entries)

1 Antoni KARCH POL Saturn 1B 795pt 2 Wojciech KRZYWINSKI POL Ariane 3 756pt 3 Jaroslav STEPANEK CZE Ariane 1 744pt No qualification flights in S7 owing to the very high winds and heavy rain. The hall also featured Taurus Tomahawk and Sonda prototypes.

S8E/P-RC Rocket Glider Spot

This class not flown because of inclement weather. And that's it folks!

Ringpiece... Enough for now, I reckon by the Editor

ALWAYS a decision. That is, where to stop on an interspace.. and publish, or wait for a report that is 'imminent'. The Editor gets it wrong as often as he gets it right...this time?!? You be the judge.

What's for sure, is that we're up and running for another season. Too few World Cup results arrays have come the Editor's way thus far and so it's too early to come to any conclusions on the numbers taking part in World Cups. Will the 2011 season carry on the upward trends we have observed for so many years? Was season 2010 a 'blip' – that is to say, no real growth over the preceding year? Will 2010 prove the turning point and entry levels go into decline...or continue the upward slope? Very big questions.

Right...I will bid you all farewell for now and look forward to seeing many of you at World Cups later in the Summer. I will go to 10^{th} Belgrade Cup $\sim 16\text{-}17$ July, 1^{st} Fenix Cup $\sim 10\text{-}11$ September and 33^{rd} Ljubljana Cup $\sim 15\text{-}16^{th}$ October. Good luck in your medal chases!