

CONTROL LINE COMPETITION NEWSLETTER

RACING • SPEED • COMBAT • STUNT • CARRIER

JANUARY 2016



EVERYTHING BUT THE SOUND EFFECTS! RADIK MAGZIANOV LAUNCHES CHUCK RUDNER'S MODEL AFTER A VISIT WITH MOTHER EARTH DURING THE RICH LOPEZ TRIBUTE CONTEST AT WHITTIER NARROWS DECEMBER 5-6 2015.

ANDY MEARS TALKS VINTAGE COMBAT: THE NEW (OLD) GAME IN TOWN.
MAKING A SPORTSMAN GOODYEAR WING....THE EASY WAY! BILL BISCHOFF
THE ROTTERDAM 1976 PRELIMINARY F2D WORLD CHAMPIONSHIPS
THE DUBAI WORLD AIR GAMES AND BRIDGES AND COMBAT INGEMAR LARSSON

2016 Whittier Narrows Speed & Racing Contest Calendar

Whittier Narrows Park, South El Monte, CA

34.042737 - 118.070392

PRELIMINARY SCHEDULE

<u>February 6-7</u>	Lenny Waltermath Speed & Dennis Schauer Racing Memorial
<u>April 9-10</u>	Bill Nusz Speed & Herb Stockton Racing Memorial
<u>June 4-5</u>	Bill & Bev Wisniewski Speed & Racing Memorial Picnic in the Park Hotdogs and all the fixing's provided.
<u>September 10-11</u>	Wayne Trivin Speed & Racing Memorial
<u>October 22-23</u>	Virgil Wilbur Speed & Racing Memorial
<u>December 3-4</u>	Toys For Tots

Speed events include: Electric, 301-310 & 606-607, Perky, NASS Sport Jet, C-Speed

Racing events include: S.C.A.R. Goodyear, NCLRA Clown (60 foot lines), Mouse Race, NCLRA Quickie Rat, and Super Slow Rat/Fox Race

Speed flown both days. Racing flown **Sunday only** except for the Virgil Wilbur Memorial.

Whittier Narrows Park now charges \$6.00 per weekend day entry fee! You can buy an annual pass from the bureaucrats at the Park Headquarters (weekdays only) for \$25.00 if you are a member of one of the local clubs. All events are AMA sanctioned. Membership is available on site. All pitmen must wear protective headgear while racing or during practice. Before you set out on a cross-country trek, verify the event date and location have not changed.

Speed contacts: Howard Doering (714) 638-4937 Cell (714) 394-5304
Joe Brownlee (714) 895-1857 Cell (714) 393-1940

Racing contacts: Ron Duly (818) 843-1748
Don Burke (714) 329-1457

Combat & Carrier events to be added to the calendar once Park permits are obtained.

Link to Stunthangar: <http://stunthangar.com/smf/index.php?board=23.0>

Link to kill time: <http://www.flightradar24.com/SKW6211> Corrected address

New Link: http://www.theaerosmith.com/index_1.html Bob Beecroft's site, be sure to look at Cool Coxes and Veco Series 100's

Link to Club Tamaran: Combat oriented but many useful items for Racing and Speed
<http://www.clubtamaran.com/combate.htm>

Link to Weather Underground: <http://www.wunderground.com/>

Link to McMaster-Carr: <http://www.mcmaster.com/>

Link to Delphi Speed Forum: <http://forums.delphiforums.com/flyfast/messages>

HOBBY SUPPLIERS

Eichenberger Products: Carbon Fibre and Composite Epoxy/Glass props for Speed and Racing. Carbon tops for 21-40's and more. Steve Eichenberger 480-730-0016
seichenberger@cox.net

Old Magazine Plans On CD: e-mail Tom Wilk at: tawilk636@live.com

If he doesn't have it, you probably don't need it.

Eliminator Props: <http://eliminatorprops.com/store/>



Mike's Racing Products: See June 2012 newsletter

<http://Mike1North.wix.com/mikes-racing>



OPS Engines America: Bill Hughes williamhughes4@att.net

Engines/Parts Prices start at around \$150.

Paul Smit: (filler valves, wheels, etc. see May 2012 newsletter)
2482@nokwi.co.za

Marc Warwashana: Don's wheels, fastfills, etc. whellieman@gmail.com

Andrew Nugent: Andrew.n5@bigpond.com

(The May 2013 SCAR Newsletter has an article on Andrew's services or just e-mail him).

Brodak Manufacturing: <http://www.brodak.com>

Goodyear Plans: Doug Mayer: mayer@kmd-arch.com

Fuel Shutoffs: Dale Long: DirtyDshutoffs@dslextreme.com Guaranteed to work! USA only.

Adriano Molteni: Ultra high quality flying lines, Nelson style plug, F2d models, props and mounts. adrieanto@gmail.com

The Craftsman: Stunt and Racing Engine Tuning (OS, S.T., Fox, K&B, Cox) Custom Kit Building - Ready to cover. Contact: **Jed Kusik** jedeeflyer@aol.com

Doctor Diesel (Eric Clutton) P.A.W. Diesels: www.cafes.net/doctordiesel
doctordiesel@cafes.net

Streamer Shuttle: <http://streamershuttle.blogspot.com>

Fast Hippy Speed Products: Tanks, torque units, titanium bell cranks, etc.
Marty Higgs ukiespeedman@hotmail.com

Hobbypartz: Cheap source for the ASP S15A which is legal for Sport Goodyear at the 2015 Nationals, now \$43.40. www.hobbypartz.com Bill Bischoff sells a venturi and needle valve assembly for \$10.00 per item plus \$3.00 shipping, billbisch@hotmail.com

ZZ Props: Full line of quality Glass & Carbon Fiber props for Control Line Speed & Racing. Contact Mike Hazel at: 503-859-2905 Day Phone or 503-871-1057 24 Hour Phone
zzclspeed@aol.com

HobbyKing: Red Head Pulse Jet, reeds, nozzles, igniter. <http://www.hobbyking.com>

BMJR Models: Freeflight, R/C, Control Line and Accessories. Laser kits.
www.bmjrmmodels.com



MBS Model Supply

P.O. Box 282 Auburn, KS 66402-0282 <http://mbsmodelsupply.com/>

Phone: After 5:00 p.m. Central time or weekends only (785) 256-2583 Cell: (785) 221-7042



Frank Bowman: Custom rings for old to modern engines. Old stock parts for some engines. E-mail for a list: Ringmaster46@msn.com

John Newton Speed Products: Fiber glass shells for B-C-D Speed. Aluminum wing skins. Newtron 21 Sport Speed kit. Props for D-Speed and many other items. Contact John on his cell phone: [909-720-1940](tel:909-720-1940)

Membership For Everyone



National Control Line Racing Association: <http://www.nclra.org/> Membership information and tons of other neat stuff that even non-members can look at. Membership is \$20 per year with an electronic newsletter (they actually send one out on a regular basis.... unlike some other newsletter). It's \$30 if you want a paper newsletter and live in the USA and \$35 for those living in the hinterlands.



Navy Carrier Society: <http://www.navycarriersociety.org/joinNCS.aspx>



North American Speed Society: <http://clspeed.com/membership> Membership is \$35 for USA and Canadian residents and \$45 international. PayPal OK



MACA Miniature Aircraft Combat Association: <http://www.macasite.org/>



PAMPA Precision Aerobatics Model Pilots Association
Membership starts at \$35.00.

<http://www.pampacl.org/>



Combat Flyers Association

<http://combatflyers.co.uk/index.htm> Vintage and F2d Combat in the UK



Academy of Model Aeronautics

<http://www.modelaircraft.org>



World Cup F2ABCD + Support Events May 4-6



Control Line World Championships F2ABCD May 7-13 2016

<http://www.cl-wch2016per.org/> Perth, Australia



Western Australia Championships May 15-17

In addition to the World Championships program the committee has added three more days. At the end of the World championships there will be a lay day and then: Sunday May 15 F2F on the hard circle and Vintage Combat (Australian Rules) on the grass circle. Monday May 16 Classic FAI on the hard circle and 27 Goodyear on grass. Tuesday May 17 Combined Speed on the hard circle. This is a separate competition and not part of the World Championships or World Cup.



Flying Lines is the best website in the control line world and ACLN is the best newsletter. Electronic version available, contact: Harry Bailey
hbailey@optusnet.com.au It's 15 Australian dollars or approximately \$11.00 U.S.
 You might be able to arrange payment through PayPal.

THE NEW (OLD) GAME IN TOWN

Andy Mears Talks Vintage Combat

OK, let's face it, Slow Combat is gone. Fast Combat is all but dead with very few contests. It has been taken over by F2d in one form or another. There is, of course, full on F2d, F2d single airplane (kinda like using old Slow rules) then Fast F2d using F2d equipment, Fast scoring, and a modified muffler rule.

Don't get me wrong, I love this, using one plane, one set of lines, one fuel and set of equipment. It makes it easy to go to a contest. How many remember packing for the Nationals? Fast planes, F2d, 1/2A, Slow, and all the stuff to go with it....just the fuel was a nightmare, 10%, 25%, 40%, lines, props, and the list goes on!

When everyone is through at a contest we all sit around and talk about the "you remember when.....or you remember this pilot, yeah, he flew this model, or that special motor." Well, there is a new class of combat that is starting to grow, and I have to admit it is a lot of fun! As we all get older and some of us realize there is no way to hang onto a 120mph Fast Combat plane, Nostalgia Combat starts to grow in popularity. Old Fast planes, with older motors, limited to 75mph. Kits are being reproduced with the latest laser cut technology with great fit and better wood than in the old days.

I have found several on eBay by Walter Unman <http://www.builtrightflyright.com> Model+Airplanes+by+Dadretread is his eBay store. Let me just say this is not advertising for him, but great kits and well worth the price. Also, Barry Baxter has fantastic plans for most any model <http://www.controllineplans.com/> with great detail and easy to follow instructions. Motors range from Super Tigres, Fox, and even some Johnsons and with 10% fuel and a 8x8 prop they run great without blowing plugs.

If you want to see most of the early combat planes built and on display, go to Bob Mears Combat Museum https://www.facebook.com/bob.mears.10/photos_albums He has done a great job on the construction and stories that go with early Fast Combat planes. You can also go by and see them in person if you are ever in Lubbock, Texas.

With CA, 5-minute epoxy, and heat shrink film, you can build a model in a weekend. Yes, I have done it several times. And something else, it's fun. I was never a great builder. I had no patience and glue took forever to dry, not to mention using 100 straight pins. Mail order planes made it easy. I firmly believe that if mail order planes and equipment were not around, combat would be gone forever. There are a few that still build their F2d planes, but surely a minority.

Nostalgia Combat started out in Tucson (at least that's the first time I saw it) known as VooDoo Combat. A cool event, but let's face it, Voodoo's are a little hard to find. I have not seen one reproduced and they can go for good money at times. On the other hand, older kits, or reproduced kits are available and reasonable. Older combat planes are a side step to what we do everyday, it's built, covered and painted just like the "old days." I have built four different planes, a Sneeker, Voodoo, Demon, and Super Sneeker, and currently working on a Matador. Once you build one, you can't stop!

There are a few Vintage contests now, Tucson, Brodak, and a few others scheduled for 2016. They use round scoring, penalties for line wraps and mid-air's, and limited cuts to keep your prized possession safe. It is more for the fun and camaraderie. You can walk through the pits and see a Sweet Sweep with a Johnson, Slingshot, Nemesis, Bosta, Sneeker, Demon, and of course VooDoo's. In most cases they will let any competitor fly one (or two).

I am not replacing our regular F2d contests by any means! There is nothing like a honking Fora on a good F2d ship, but I ain't ready to lay down and fly stunt either. So, sign off your Yuvenko site, start digging around for your long forgotten old stuff, find a kit that you used to fly, and get building! You may find out things you long forgot, like building is therapy for the mind, relaxing, and a real sense of accomplishment when you are done. More than just throwing a motor on and blistering up the airways.

This way, at the end of a contest, we don't have to remember the old days, we are once again living them. And let's face it, we are not getting any younger. And if you have to, Yuvenko can still build your lines.

Thanks to: www.builtstraightflyright.com www.controllineplans.com facebook.com/bob.mears

Andy Mears





Vintage Fast



BISCHOFF'S SPORTSMAN GOODYEAR RACING PARTS

ASP/ Magnum 15 Venturi

1/4" ID, 4mm spraybar, fits 10mm hole	\$10.00
---------------------------------------	---------

RSM Supertigre style needle assembly	\$10.00
---	---------

Aluminum landing gear struts

.090" 2024-T3, undrilled, per Margaret June plans	\$10.00
--	---------

Wheels and axles

1 1/4" Williams Bros. wheels, 1/4" axles	\$ 6.00
--	---------

1/4" axles w/o wheels with hardware; Requires 1/4" hole in wheels	\$ 2.00
--	---------

1 oz fuel tank

per Margaret June plans	\$20.00
-------------------------	---------

2" metal bellcrank with buttons

includes line eyelets	\$10.00
-----------------------	---------

Bellcrank button kit

includes hex buttons, eyelets, screws	\$ 2.00
---------------------------------------	---------

Aluminum engine mount plate

fits Magnum/ ASP engine	\$ 2.00
-------------------------	---------

Fuel shutoff trigger wire

per Margaret June plans	\$ 1.00
-------------------------	---------

Super Slow Rat fuel tank

also works for Fox Race	\$20.00
-------------------------	---------

Shipping \$5.00 per order including fuel tanks/ \$3.00 per order without fuel tanks. I accept PayPal or personal checks. PayPal: [billbisch@hotmail.com/](mailto:billbisch@hotmail.com) Mail checks to: William Bischoff
1809 Melody Ln, Garland TX 75042. For questions, call (972) 840-2135
e-mail: billbisch@hotmail.com

F2d Combat 2015 World Cup standings after 18 scheduled rounds

1	RASTENIS, Audrius	Lithuania	77
2	CYZAS, Vaclovas	Lithuania	69
3	GEGZNA, Rimvydas	Lithuania	67
4	REDIUK, Illia (Junior)	Ukraine	63
5	NADEIN, Andrey	USA	61
6	EPISHKIN, Mikhail	Russia	56
7	JALUNINS, Boris	Latvia	55
8	ANTONOV, Sergey	Russia	54
9	BORODA, Ivan (Junior)	Russia	52
10	NARKEVICH, Pavel	Russia	51

The 18 rounds had 223 entrants who competed in at least one World Cup. The placings are determined by taking the top three best results, more points for bigger contests. Oleg Baulin won the Tula-Alexin round in Russia (93 entries) and was awarded 28 points. Since he earned no more World Cup points his final finishing spot was 31st. Other American flyers in the points included Mark Rudner with 45 points (12th) and Chuck Rudner 10 points (105th). Russian flyers accounted for 101 of the 223 entrants.

F2C Team Race 2015 World Cup standings after 19 scheduled rounds

1	DOZHIDAEV, Sergey/ GRIGARTAS, Algis	Russia/Lithuania	61
2	BONDARENKO, Yuriy / LERNER, Semen	Ukraine	60
3	IGOSHYN, Oleksiy/ CHAYKA, Yuriy	Ukraine	53
4	MAKARENKO, Volodymyr/ FULITKA, Volodymyr	Ukraine	51
5	RODIN, Ilya/ OSADCHIY, Igor	Ukraine	47
5	ZUKAUSKAS, Nerijus / SABLINSKAS, Gintaras	Lithuania	47
7	MAKARENKO, Anton/ OSADCHIY, Oleksiy	Ukraine	35
7	SURUGUE, Pascal / SURUGUE, Georges	France	35
9	MOHAI, Istvan / STRANIAK, Hans	Hungary/Austria	32
10	ORVOS, Ferenc / METKEMEIJER, Rob	Netherlands	29
10	PERRET, Matthieu / PERRET, Jean-Paul	France	29

Three contests had no entries, so no points were awarded. There were 90 teams competing and their three best finishes determined their placing.

F2B Aerobatics 2015 World Cup standings after 21 scheduled rounds

1	BURGER, Igor	Slovakia	83
2	GAUTHIER, Philippe	France	73
3	KORNMEIER, Richard	Germany	69
4	GAUTHIER, Alexandre	France	67
5	VEJMOLA , Jiří	Czechoslovakia	66
6	SCHREK, Alex	Slovakia	64
6	VALLIERA, Marco	Italy	64
8	DESSAUCY, Luc	Belarus	59
9	BILLON, Gerard	France	58
10	KRAVČÍK, Zbyněk	Czechoslovakia	57

Two contests were not counted. One had entries from only one country and the other had no entries. There were 155 flyers competing.

F2A Speed 2015 World Cup standings after 21 scheduled rounds

1	SZVACSEK, Ferenc	Hungary	900.7
2	OSOVIK, Oleksandr	Ukraine	892.2
3	BYELYKOV, Valeriy	Ukraine	891.9
4	KALININ, Andrei	Russia	881.9
5	REBROV, Pavel	Russia	878.8
6	HUGHES, William	USA	878.1
7	AUBE, Jean Marc	France	873.9
8	ESSELAAR, Han	Netherlands	862.3
9	POPOV, Ivo	Austria	854.3
10	CAPO, Francis	France	853.4
11	LYHNE-HANSEN, Niels	Denmark	852.8

Three rounds were not counted because there were entries from only one country. The three fastest times are added together to determine placing. Ferenc Szvacsek's times were: 299.2kph 301.8kph 299.7kph

Full results can be seen at: <http://www.f2cmbi.org/> Click on the World Cup Classification



Control Line Racing will take place July 18-21.

Monday	F2C Team Race and Quickie Rat
Tuesday	Mouse I and NCLRA Clown Race
Wednesday	AMA Goodyear and Sport Goodyear
Thursday	AMA Slow Rat and Super Slow Rat

AMA Rat Race, B/Team Race, and Mouse II are not scheduled as of this printing.
Anyone interested in running an event is urged to contact NCLRA President Melvin Schuette
at: mbschuette@cox.net



Important message from Bill Lee.

If you are planning on attending the F2 World Champs in Perth as a U.S. team supporter, I need to hear from you REAL SOON. The Final Entry must be sent to the organizers within a couple of weeks. Please visit the team website at <http://www.2016CLWC.org> and look at the supporter list. If you are not on it and you want to be, follow the "Want to be a supporter?" link, fill out and submit the form that is there. I will add you to the list when I get the form information from you. Please don't hesitate since the cut-off for this will be in about 10 days.

Regards,
Bill Lee
F2 Team Manager



Latex Pipette Bulbs on eBay

Heathrow Scientific makes these 2ml pipette bulbs HS20622B that may be used as a cheap substitute for a Binky pacifier (found at CVS Drugstores). These are lower pressure than a Binky but should be satisfactory if you're flying a Vintage Combat model at 75mph. A package of 72 bulbs is \$18.81 plus \$5.00 shipping. Just go to eBay and type in *latex pipette bulbs* and you should end up at the right spot. Beware, there are other vendors charging a lot more. If you've been successfully using a Binky or some other brand of pacifier be very cautious when changing over. Set the needle on the rich side, use fuel with plenty of oil, and just put in an ounce of fuel on that first test flight.



Making a Sport Goodyear wing....the easy way. Bill Bischoff

Perhaps one of the biggest hurdles involved in building a Sport Goodyear is carving the wing. Recently, I have found a way to clear this hurdle with a minimum of effort. It only applies to constant chord wings, such as found on the Buster, Bonzo, Zipper, Stardust, and a whole plethora of Cassutts.

The good folks at Brodak sell a replacement wing for their Flight Streak Trainer for \$16.00. (It is listed in the paper catalog, but I could not find it online). The wing is one piece, 6" chord, about 37" span, and a bit over 3/8" thick. It has a pre-carved flat bottom airfoil, with a 1/8" thick trailing

edge to accommodate the Streak Trainer's fixed flaps. It is the top wing in the photo.

I personally wanted a wing with 6 5/8" chord for my new BooRay. First, I cut the wing apart 2" from the leading edge, and added a 1/4" x 3/8" spruce spar. This increased the chord by 1/4". Then I added a 1/8" x 3/8" spruce trailing edge, which increased the chord to the desired 6 5/8". I also cut 1/4" off the leading edge, and replaced it with 1/4" x 1/4" spruce for strength and impact resistance. This is the middle wing in the photo.

Once this was done, the spruce leading and trailing edges were shaped, and the high point of the wing sanded to blend everything together. The bottom wing shows the finished airfoil.

If a narrower chord is needed, a section of balsa may be removed from the high point area of the wing. For example, cut the wing leading edge at 1 3/4", then cut 5/8" off the front edge of the back part of the wing. Add the 1/4" spar and 3/8" trailing edge, and you are back to a 6" chord. This would be appropriate on the Stardust, for example.

It will also be necessary to install some sort of hard point for mounting the bellcrank. I recommend the tapered maple spar/bellcrank mount as featured on the Margaret June plans. This may be installed after the wing is assembled, but will be easier to fit and install before gluing the wing together.

Hopefully, this will be just what some of you need to start building your own Sportsman Goodyear racer.

Bill Bischoff



What have bridges to do with Combat?



Rich at the Golden Gate Bridge, San Francisco, USA, 1978.

Rich Lopez

is a 63 year old Combat flyer who has been flying combat models since 1964. He is a resident of Los Angeles, USA, and many of you have for sure met him at both Euro- and World Champs as well as World Cup Competitions. At the Euro Champs in 2003 he served as Swedish F2D Mechanic and for next year he is the 2nd reserve in the US F2D Team. This year he attended the full Dreiländer Pokal in Combat and when he was in Värnersborg (between the Swedish and Danish competitions) he couldn't resist having a look at the bridge.

You might think he is working as a bridge constructor, but no, he is now retired from his job as a Headmaster of a school. His two children (son and daughter) does not fly combat, nor does his wife.

There were quite a lot of Combat activity in San Francisco in the '70's and reason these photos was send to Sweden at that time was that one of the guys flying Combat in their group was a Swede!

So what have Bridges to do with Combat? Well, nothing as far as LINA knows.....



Rich at the Dalbo Bridge, Värnersborg, Sweden, 2011.



Firefly had a look similar to European models at the time.



Samurai was a balsa model with a long tail.



Note the exhaust pipe mount. You might think it burned the wing but it worked which allowed rear exhaust port engines to be used.



Back Row (Left to Right): Rick Green, John Callentine, Henry Warner, Michael Murray, Keith Trostle, Warren Tiaht, Jack Comer, Ed Capitanelli, Leroy Black, Steve Holt, Ken Gulliford, Randy Cuberly, and Roy DeCamara

Front Row (Left to Right): Bob Whitely, Jim Hoffman, Lew Corbett, Mike Keville, Steve Mills, and Lou Wolgast. **Photo from the Cholla Choppers website:** <http://ccmaconline.org/>
The December 5th Fly-In saw 21 pilots show up to have their picture taken.



British Vintage F2d models



F2D Combat at World Air Games in Dubai 2015

It started well over a year ago with a CIAM realisation that F2 classes in general and Combat in particular are the categories for Spectators. That is why Combat was chosen as one of the four Aeromodelling classes to be run at WAG. As every class can't be run at every WAG there have to be a selection. This time, apart from F2D CL Combat, F3T RC Pylon Racing, F3N RC Helicopter Freestyle and F3P RC Indoor Aerobatic was chosen. The planning included meetings in Dubai where the most intense part for all Event Directors was to make a proper Time Schedule as many classes were going to be run at the same time, especially at the SkyDive Palm Area. F2D and F3T were to be run at the same days but as we shared the Grass field it couldn't be run at the same time. In addition all Combat Officials plus a couple of F2D Mechanics served as F3T Officials as they lacked qualified people.

For F2D a selection process was decided by CIAM where the National Champ of 2014 from 16 countries was to be invited. These rules also included that if a pilot turned the offer down the invitation would go to the next country on the reserve list. The countries invited were USA, CAN, MEX, AUS, NZL, ESP, MDA, LTU, SWE, DEN, FIN, EST, RUS, UKR, GBR and AUT. With two pilots saying no (AUS and GBR) LAT and BLR was invited. All countries apart from Russia accepted the selection rules as they wanted to replace the invited pilot with their own choice. This was turned down by FAI and then Russia chose to withdraw even the invited pilot. So ITA was invited as the third reserve. Each pilot could bring one mechanic and all of these 16+16 invited persons had to agree to help pitting for the others (giving everyone two mechanics in each heat. Looking back this worked very well as all of them have known each other for years....)

F2D combat was going to be run over four days with the first day set aside for training. When in Dubai all crews had both food and lodging for free (mostly 4 and 5 star Hotels). The Crown Prince of Dubai had in addition invited every participant to stay in Dubai the complete 14 day WAG period free of charge. Both the food and the lodging were excellent with huge Buffés served for Lunch/Dinner.



Before all training there was a meeting with pilots, mechanics and officials. The main issue were safety! With many classes having activity at the same time safety had to be put first. Although it was a contest it was also a way of promoting Combat and shows it to many people that haven't seen it.



In the evening of our training day there was an Opening Ceremony at SkyDive Palm. A huge stage with seats for a lot of spectators was built and it turned out to be one of the most awesome openings I ever been to.

Apart from people acting on the stage and hanging in lines in the air they also had a big TV screen. What a show! And it ended with a Firework that must have costed a fortune. The Royal Family was also there and I hope they enjoyed it too. As they paid for most of it.....

Round 1 started on Sunday 6th of December with sunny weather (over 30 degrees Celsius) and hardly any wind. It saw Andrey Nadein USA get a 1-1 in cuts to Vitali Snitko BLR but Andrey won due to more air time. Another 1-1 was when Alexander Prokofievs LAT won over Johan Larsson SWE but being only 10 seconds ahead. It was clearer for Pat MacKenzie who had 2-1 against James Palmer NZL. The match of the round was supposed to be that between Stanislav Chornyy UKR and Igor Dementiev MDA. But it turned out to be nothing to write home about. With 1-1 and air times around 1.30 Chornyy won.

After lunch it was time for Round 2. Pat MacKenzie got his first loss when he flew Alexander Prokofievs. 2-1 to Alex. Chornyy also collected his first loss when Jussi Forss FIN won on more air time. 1-1 in cuts. Andrey Nadein also got his first loss when Arnulfo Delgado MEX won by 1-0. Last by not least we had a heat between two former Champs, both with one loss from R1. Now Audrius Rastenis LTU scored 2-1 against Igor Dementiev. So it was goodbye for Igor as well as for three others.



During the contest days we had company by the Fire Brigade and the Police. Apart from their "normal" vehicles they also came with some other cars..... Where else than in Dubai could this be seen?

On Monday the temperature had gone down to around 20 degrees and the wind increased to somewhere between 6 and 8 m/s. This meant that Pylon Racing and Combat were the only classes flown. Round 3 started with a 2-1 win for Alex Prokofievs against Raul Mateo ESP. After the next heat Chornyy could pack his models as he lost to Andrey Nadein. 2-1 in cuts to Andrey and also more air time. Pat MacKenzie joined Chornyy as he lost to Rudi Königshofer AUT. Rudi got 2-1 and more air time. This was the only round flown on Monday.

On Tuesday the wind increased a bit and once again Pylon Racing and Combat were the only classes flown apart from some flights with Rotorcraft. That is small Helicopters with a pilot and a helper. The helper holds a 10 metre long rope with a sack attached to it the goal being to put the sack into water barrels along the flying course. They got points for time and barrel hits! Very exciting.....



The SkyDive Palm arena seen from the 52nd floor Sky Bar at Marriot Hotel. The pond in the middle of the Grass Field is used for one of the Parachuting Classes. As you can see the tarmac runway goes out into the sea. When they started to build this site it was only water so they used a lot of stones.

In round 4 Andrey Nadein lost to Alex Prokofievs as he got a Yellow Card for attacking Alex model taking it out of the air. But Andrey wasn't alone in leaving the scene. Audrius Rastenis lost to Rudi Königshofer. 2-1 to Rudi. Dmitri Varfolomejev lost to Raul Mateo. 2-1 to Raul. Arnulfo Delgado lost to Jussi Forss. 1-0 to Jussi. Vitali Snitko was the bye and saved his flight until the next round where he lost to Rudi Königshofer. Vitali had 2-0 in cuts but lost with 16 points because of his poor air time.



With only 4 pilots left the temperature raised. Well, not in the air as it kept steady at around 20. Alex was the only one without losses and thereby had an advantage on the others. It started with Raul Mateo losing to Jussi Forss. 3-0 to Jussi. As Alex was the bye and without losses we now had the podium pilots and just had to determine the order. As Alex won over Rudi (1-2 in cuts but better air time) he now had to fly Jussi one or two times. Just to keep the excitement Jussi took a clear victory over Alex in the first match. Equal time but 3-1 to Jussi.

The next heat was the real final with both pilots having one loss. The winner would become the World Air Games Champion and the loser would be the runner-up. Rudi had already secured the third place. As it so often happens the final was not the best flight of the day. Both pilots scored one cut but Alex won because of one more minute in the air.

Apart from cheering for our three podium pilots thoughts should go to all 16 pilots including their mechanics. Actually any one of them could have won. That is how close it was and how good they were. It was a great combat show and many people were very impressed with what they had seen.



Team Latvia, Vasilij Prokofievs, Mark Rudner and Alexander Prokofievs.



Team Finland. Johan Larsson, Jussi Forss and Jari Valo.



All the Officials; FAI Jury, F2D Judges and Scorers.

All three podium pilots with their mechanics.

For those of you that want to read more about WAG, see photos, videos and articles there are two good sources at www.wagdubai.ae and www.fai.org. You also find links to Facebook, Twitter and Flickr. Attending WAG with F2D was probably a once in a lifetime experience for all of us that went there and we must be grateful that we got the opportunity now when it was held in Dubai. Not many organisers can put up such a budget and such an impressive event. And as Aeromodelling Classes are rotating at WAG it will probably take many years before Combat is on the list again.

/Ingemar Larsson, Event Director/Judge

Place	No	Competitor/mechanic	Country	Points	1	2	3	4	5	6	7
1	9	Prokofiev, Alexandrs	LAT	W	W	W	W	W	W	L	W
		Prokofiev, Vasilijis									
2	7	Forss, Jussi	FIN	W	W	W	L	W	W	W	L
		Valo, Jari									
3	1	Königshofer, Rudi	AUT	L	W	W	W	W	W	L	-
		Topunov, Alex									
4	5	Mateo, Raul	ESP	W	W	L	L	L	-	-	-
		Mateo, Manuel									
5	12	Delgado, Arnulfo	MEX	W	W	L	L	-	-	-	-
		Silva, Leonardo									
	16	Nadein, Andrey	USA	W	L	W	L	-	-	-	-
		Rudner, Mark									
	10	Rastenis, Audrius	LTU	L	W	W	L	-	-	-	-
		Cyzas, Vaclovas									
	2	Snitko, Vitali	BLR	L	W	W	L	-	-	-	-
		Mazurin, Igor									
	6	Varfolomejev, Dmitri	EST	W	L	W	L	-	-	-	-
		Loginov, Vladimir									
10	15	Chorny, Stanislav	UKR	W	L	L	-	-	-	-	-
		Umryhin, Andriy									
	8	Giandrin, Antonio	ITA	L	W	L	-	-	-	-	-
		Molteni, Adriano									
	3	MacKenzie, Pat	CAN	W	L	L	-	-	-	-	-
MacKenzie, Ivan											
13	4	Bertelsen, André	DEN	L	L	-	-	-	-	-	-
		Prioe, Gordon									
	11	Dementiev, Igor	MDA	L	L	-	-	-	-	-	-
		Erisov, Alexandr									
	14	Larsson, Johan	SWE	L	L	-	-	-	-	-	-
		Bertelsen, André									
	13	Palmer, James	NZL	L	L	-	-	-	-	-	-
		Palmer, Doug									

Anyone remember Rotterdam 1976? US version

Back in the Stone Ages, i.e. the Roaring Seventies F2D Combat got World Champs status 1978. So when the Netherlands were hosting the World Champs in 1976 they decided to run an unofficial World Champs in F2D the weekend before the "real" Champs in Utrecht. It was easy for them as they have had their "Dutch Combat International" for a couple of years.

This year they chose the Football Ground Alexandria 66 in Rotterdam as the venue. Pilots from most of the Western Europe countries came and also a contingent of six pilots from the USA in the end forming an entry list of around 100 pilots from 12 countries. GBR contributed with 22 pilots.

Everyone camped at the site creating a very nice weekend with both flying and social activities. The Football Club's restaurant provided the Saturday evening meal included in the entry fee and I remember it was so salt so you had to buy several beers to get it down. The club people were not stupid....



Paul Smith preparing his Titan.

Round 1

Johnson USA	Dq L
Döppner BRD	309 W
-	
Fraisse FRA	203 L
Kresan USA	289 W
-	
Reese USA	380 L
Magg BRD	440 W
-	
Harris USA	Dq L
Hunt GBR	250 W
-	
v d Mey NED	137 L
Benneck USA	225 W
-	
Smith USA	44 L
Niskanen FIN	228 W

Losers Round (=R2)

Johnson USA	438 W
Josien FRA	393 L
-	
Reese USA	141 W
Rippengale GBR	60 L
-	
Harris USA	130 L
Ledger GBR	182 W
-	
Smith USA	106 L
Kissel GBR	298 W

Round 3 (64 pilots)

Johnson USA	340 W
Döppner BRD	88 L
-	
Kratz BRD	168 W
Kresan USA	53 L
-	
Reese USA	237 W
Bravo ESP	86 L
-	
Huss SWE	240 W
Benneck USA	138 L



Swedish pilot Lars Karlsson discussing model constructions with Paul Smith.



Charlie Johnson and Paul Smith must have gone to Kindergarten as child as they were wise enough to wear name signs....



Can't remember if this was Reese or Harris.... For some reason I only have photos of 5 of the 6 american pilots.



Mike Kresan ready to launch....



At that time I knew a Dutch girl, Gerda, and she together with her twin sister joined us at the contest. Here with myself and Vernon Hunt (Yes, we looked much younger in those days!). Having these girls with us made some other pilots behave as flies that just discovered a dead cow.

It was a warm and dry summer so the surface was hard and tough for crashing models. As they ran the contest in two circles and the old draw system with a Losers Round and straight knock-out was used it was possible to have this many competitors over just a two day contest. In the end two British Flyers met in the final, Richard Wilkens and John Berry with John winning by 431-289. Actually 5 of the top 8 came from GBR.

Some of the American pilots I remember quite well as we spent a lot of time together (look at the photos to understand why....). Charlie Johnson, Paul Smith, Mike Kresan, Hage Benneck, ? Harris and ? Reese was the ones that came. After this contest I only saw Charlie and Paul again with all the others disappearing into some dark corner. Maybe some of SCAR's readers have any info to share?

Even if it was before the World Cup started I remember that we were out in Europe every summer taking part in these contests. It is a nice memory when sitting in the Rocking Chair in front of the Fireplace.....

/Ingemar Larsson



Gerda with Mike Kresan and (I think) Hage Benneck in the background. Looking in my old Address Book Mike lived in Silver Springs MD, while Hage was from Glastonbury CT. Both are wearing SMAKA T-shirts. When we learned about MACA we decided to start something similar in Sweden. So it was Swedish MACA = SMAKA. We ran it for a couple of years and published a Newsletter like SCAR.

Round 4 (32 pilots)

Johnson USA	276 W
Olijve NED	194 L
-	
Reese USA	317 W
Huss SWE	314 L

Round 5 (16 pilots)

Johnson USA	220 L
Hunt GBR	340 W
-	
Reese USA	25 L
Berry GBR	219 W

Mr Johnson ended up as best American at place 11 and Mr Reese got place 15.



Gerda again....and guess who?



Did we really had time for flying or were we talking all the time?

KING ORANGE INTERNATIONAL

Control Line

Precision Aerobatics

January 15, 16 & 17, 2016

OLF Whitehouse, Jacksonville, FL

**Field open 12PM Friday for practice & field
set-up**

**Saturday Jan. 16, 2016 Pilots meeting @ 9:30AM
(no appearance points)**

1st. Flight 10AM.

Basic, OTS, Nostalgia 30 & Profile.

(PAMPA OTS rules applied)

Sunday Jan. 17, 2016 Pilots meeting @ 8:30 AM

1st flight 9:00AM

Beginners, Intermediate, Advanced & Expert

Perpetual Trophy Fly-off

(sudden death fly-off)

2016 AMA License

Awards 1st. - 3rd. Place

Entry Fee per event

1st. \$15, 2nd. \$10. 3 or more \$5. each.

**For additional Information & Navy waiver
contact:**

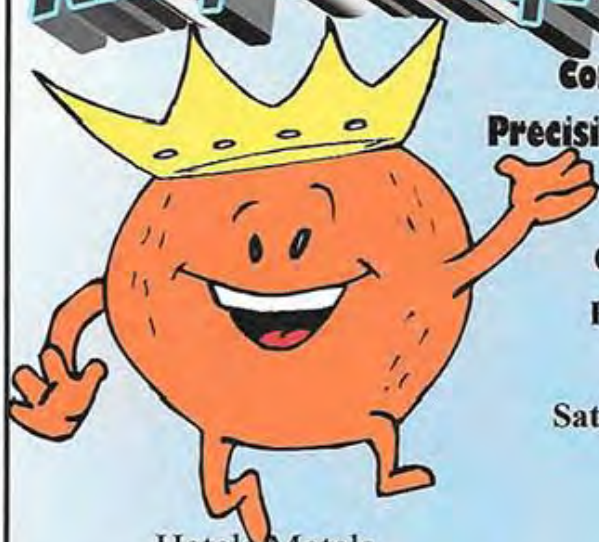
CD: Gene Martine 904-786-8650

gmflying@bellsouth.net

or

Asst. CD: Lynn Weedman

x47weed@aol.com



Hotels/Motels

(mention KOI for special rates & book
early by Jan. 2nd)

*****Holiday Inn 904-652-2782**

Single /Double \$89.00

Best Western 904-265-7759

Double \$99.00 Single \$89.00

Hampton Inn 904-783-8277

All rooms \$94.00

Fairfield Inn 904-693-4400

No commitment

**The above motels are off I-10 (X-351)
& Chaffee Rd.**



Northwest Fireballs, Western Oregon Control-Line Flyers and Roseburg area CL fliers
present ...

Oregon flying fun!

A quartet of control-line fun-fly events

Everyone invited — No entry fee! 10 a.m.-3 p.m.

If the weather is bad, go to the alternate site listed for "hangar flying" socialization!

Friday, Jan. 1 at East Delta Park, Portland

Pot luck lunch, plus coffee and doughnuts

Bad weather meeting site: Elmer's at Delta Park; cell 503-867-2101

Info: Northwest Fireballs, Richard Entwistle, 503-867-2101, email nwfireball@gmail.com

Saturday, Feb. 6 at Sunshine Park, Roseburg

Bad weather: Elmer's restaurant at I-5 Exit 125; cell 541-537-0061

Info: Dave Shrum, 541-672-8893, dnpshrum@charter.net

Saturday, March 5 at Bill Riegel Model Airpark, Salem

Bad weather: Flight Deck restaurant, 1 block south of the flying field; cell 503-871-1057

Info: WOLF: Mike Hazel, 503-871-1057, zzclspeed@aol.com

Saturday, April 2

This is the traditional date for the fourth fun-fly, but nothing is confirmed at this point. Watch
Flying Lines "Where the Action Is" page for updates.

- Bring any and all airplanes ... do any kind of flying! • Every flight is an entry in the "flying raffle." • Flying raffle prizes will be awarded after a drawing
- Come to all four fun-flies and support four great Oregon CL flying groups!**
Academy of Model Aeronautics membership required

CHOLLA CHOPPERS MODEL AIRPLANE CLUB

PRESENTS THE

THE 66th SOUTHWEST REGIONALS CONTROL LINE CHAMPIONSHIPS

Flying Site Christopher Columbus Park (Silverbell) Tucson, Arizona

TROPHIES and AWARDS THRU 3rd PLACE

Saturday & Sunday — January 30th & 31st, 2016. Class AA

CONTEST DIRECTOR: John Callentine; 5625 W. Owl Ridge Rd.; Tucson, AZ. 85745; Ph. 1-(520)-743-7835

SATURDAY EVENTS

*VOODOO NOSTALGIA 35 COMBAT (Double Elimination)

*75MPH COMBAT (Double Elimination)

*OLD TIME STUNT

*CLASSIC STUNT

*SUPER 70s STUNT (Contestants may enter Classic or Super 70s but not both)

SUNDAY EVENTS

F2D FAST COMBAT (Double Elimination)

BALLOON BUST (On Grass)

CARRIER EVENTS

AMA Profile, AMA CIs I, AMA CIs II All flown as one event - Combined % of Record.

Skyray Carrier (both Elect and Glow), .15 Carrier (both Elect and Glow), and Sportsman Profile (both Elect & Glow) All flown as one event - Combined % of 2014 NCS Top Twenty Record.

Nostalgia Profile, Nostalgia CIs I, and Nostalgia CIs II All flown as one event - Combined % of 2014 NCS Top Twenty Record.

Electric Profile, Electric CIs I, and Electric CIs II to be flown for NCS Top Twenty Score Only. No awards and event entry fees will not be charged.

AMA AEROBATICS SKILL CLASSES

ADVANCED

EXPERT

BEGINNER & INTERMEDIATE SKILL CLASSES ARE BOTH UNOFFICIAL EVENTS: There is no charge for entering these events. Any contestant who enters either of these events will receive a certificate in the mail after the contest.

PULL TEST AND LINE SIZES FOR STUNT EVENTS will be per AMA Precision Aerobatics rules for the 2015 – 2016. A 10G pull test based on the weight of the plane. We will be weighing all stunt planes, OTS, Classic, Super 70s, Beginner, Intermediate, Advanced, and Expert.

CLASSIC, SUPER 70s, and AMA SKILL CLASSES: will be scored per the 2015 – 2016 AMA Precision Aerobatic rules (Pattern Points are Included). Both CLASSIC and SUPER 70s will be flown together in the same circle. Judges selected to judge Classic will also judge Super 70s.

ENTRY FEES: OPEN \$20 first event + \$5 (Field Maintenance Fee), \$10 each additional event. JR/SR \$5.00 one time charge.

AMA License Required – Available at the flying site.

COMBAT, CARRIER, BEGINNER STUNT, and BALLOON BUST ON GRASS CIRCLES. CARRIER DECK CLOSES AT 3:00 PM Saturday and SUNDAY. STUNT (except Beginner) ON ASPHALT CIRCLES.

AMA Rules and Regulations Apply - *Special Event rules available upon request from the CD; including Super 70s. Pull Test change noted above. Classic, Super 70s, and AMA Skill Classes will be scored per the 2013 – 2014 AMA rules (Pattern Points are included).

SATURDAY Jan 30th: Combat pilots meeting 9:00AM (75MPH & Voodoo Combat are Double Elimination). Stunt pilots meeting at 8:30AM. Carrier deck opens at 9:00AM. Registration for Stunt (Old Time, Classic, and Super 70s) closes at the start of the first official flight (between 8:45 & 9:15AM). Registration for all other events closes at 10:00AM.

SUNDAY Jan 31st: Combat pilots meeting 9:00AM (F2D Fast Combat). Stunt Pilots meeting 8:30AM. Carrier deck opens at 9:00AM. Registration for Stunt (SKILL Classes) closes at the start of the first official flight between 8:45 & 9:15AM. Registration for all other events closes at 10:00AM.

SAFETY THINGS REQUIRED FOR ALL EVENTS.

NO ALCOHOLIC OR CONTROLLED SUBSTANCES will be permitted at the Control Line site while contest is in progress. Contestants considered under the influence will not be allowed to fly. THANKS for your cooperation.

Dallas Model Aircraft Association

Presidents' Day Contest

and

Fun Fly

February 13-14, 2016

Dallas Hobby Park, Garland Road & Northwest Highway

Saturday, February 13

9:00 AM start

Old Time Stunt (JSO)

Classic Stunt (JSO)

fun flying all day

Sunday, February 14

10:00AM start

Sportsman Goodyear (JSO) *

fun flying all day

*** Sportsman Goodyear will consist of multiple activities: Speed (8 laps flying start)/ Fastest pit stop-timed for 8 laps with pit stop in the middle/ 80 lap heat race/ 160 lap feature race. Points awarded for each activity based on order of finish. Top 3 point winners will fly a 320 lap "double feature" to determine Grand Champion winner with ultimate bragging rights!**

name:_____ **AMA #**_____

address:_____

city/state/zip:_____

Old Time stunt () Classic Stunt () Sportsman Goodyear ()

Entry fee: first event \$10.00 /other events \$5.00 each total \$_____

Door prize for all paid contestants

For more information: Bill Bischoff billbisch@hotmail.com or <http://dmaa-1902.org>

AIRSTORMERS



The Hundred Acres
Indiantown, Florida

Spring Tune Up
March 5th and 6th
9201 SW Fox Brown Rd.
Indiantown, FL
Len Bechtold, CD
561/747-5129
Team-38@team-38.com

Control Line Stunt and Scale Events

Saturday, March 5th:

Old Time Stunt, Nostalgia N 30 and

Fun Scale 2000

Sunday, March 6th:

Precision Aerobatics (B,I, A & E) no BOM and

Profile Scale

Photo Plaques to 3 places!

**The site is well groomed, short grass. There is Food Available, a pavilion,
electricity and running water in the rest room.**

Sorry. Lease prohibits overnight camping.

Headquarters hotel: the Historic Seminole Indiantown Inn.561/747-5129

Call Len or Rich Peabody (201) 669-2605 for more details!

March 15 – 19, 2016

Pilots meeting: Daily at 8:00 AM. Official flights start no later than 8:30AM.

- Free full breakfast buffet @ 6:30AM and free happy hour 5:00 to 6:30 PM
- \$85 + tax 2 queens or one king suite (Must reserve by Feb 23, 2016)
- \$75 + tax 2 bedroom suite, 2 queens or one king + sleeper Sofa in the 2nd room

Ringmaster S-1 Ringmaster required, no BOM, flown on grass. You may enter OTS, IGN OTS, and Ringmaster OTS if you wish.

Entry Deadline: Friday March 4th, 2016. By this date and time we need to have received your entry. John Callentine's mailing address is on the registration form. Registration form is also available for download at www.ccmaconline.org

Our policy is to return your entry fees if you have registered and cannot attend for any reason.

Raffle: Drawing at Appearance Judging on Wed – donations welcome and appreciated – Contact Ken Guilford 802-908-2810

NAME: _____ AMA # _____
STREET: _____ CITY: _____ STATE: _____ Zip _____
EMAIL ADDRESS: _____ License Plate # and State: _____
Needed if you would like entry confirmation (Only if staying at flying site overnight)

FOR ANY AND ALL EVENTS: I hereby certify that I have read all information accompanying the entry form, and that the model(s) entered by me will be built by me (if required) and flown in compliance with the current Competition Regulations (both AMA and PAMPA), and will previously have been successfully flight tested and proved to be airworthy in accordance with the Official AMA Safety Code.

Signature: _____

BOM rule, as it applies to VSC is posted on the Cholla Chopper web Site

EVENTS ENTERED:

OTs @ \$20.00 (Tues. 15th – Wed. 16th)

IGN OTS @ \$20.00 (Tues. 15th – Wed. 16th)

OTS Ringmaster @ \$20.00 (Tues. 15th – Wed. 16th)

Classic @ \$20.00 (Thru. 17th – Sat. 19th)

Super 70s @ \$20.00 (Thru. 17th – Sat. 19th)

OTS/OTS IGN-current PAMPA rules - BOM not req'd
Ringmaster OTS - no BOM rule & no bonus for self-built models
•Classic & S/70 - no BOM. Zero (0) for appearance if the
contestant did not build the airplane

One round each day using all three asphalt circles. Two highest scores of three flights will be added together for the final score & placing.

ARF's, ARC's, purchased or borrowed models are allowed in all events, but, models entered in Classic or Super 70s receive a zero (0) for appearance points. No more than two contestants can fly the same plane in the same event. Example: Contestant 'X' and contestant 'Y' can fly the same plane in Classic but no one else. This goes for OTS, OTS Iqn, and Ringmaster as well. For details refer to the Cholla Chopper web site: www.ccmcconline.org

Awards Banquet Selections (Sat Night March 19)

Beef Top Sirloin @ \$30.00, Names:

Chicken Marsala @ \$30.00, Names:

Salmon @ \$30.00, Names:

Entry must be received no later than Friday March 4, 2016

Make Checks Payable to John Callentine (Email Johncallentine@gmail.com)

Mail to: John Callentine, 5625 W. Owl Ridge Rd., Tucson, AZ 85745

Assistant CD: Leroy Black
25526 W. Rio Vista Lane
Buckeye, AZ 85326
Home: 623-327-8227
Cell: 623-328-4110
Email: Lindyle1@yahoo.com

John Callentine
5625 W. Owl Ridge Rd
Tucson, Az. 85745
Home: 520-743-7835
Cell: 520-631-5420
Email: Johncallentine@gmail.com

CHOLLA CHOPPERS WEB SITE: www.ccmsonline.org

DMAA Spring Warm-up
Gene Hempel Memorial
April 8th, 9th & 10th 2016
Control Line Racing, Speed & Carrier
Site: Samuel Hobby Park

Northwest Highway & Garland Rd. Dallas, Texas 75218
Class AA AMA Sanction # _____ GPS 32.866867,-96.671400
Pilots Meeting at 9:30 AM Saturday/ Sunday

Friday April 8th Speed Record Ratio starts at 1:00 pm

Saturday 04-09-16

Class I Mouse (JSO)
Goldberg (JSO)
Sport Goodyear (JSO)
Super Slow Rat (JSO)
Texas Quickie Rat (JSO)
Record Ratio Speed (JSO)
NASS Sport Jet (JSO)
NASS Perky Speed (JSO)

Sunday 04-10-16

.15 Profile Carrier (JSO)
*Sportsman/Expert Profile Carrier (JSO)
Class I Carrier (JSO)
Class II Carrier (JSO)
Record Ratio Speed (JSO)
NASS Sport Jet (JSO)
NASS Perky Speed (JSO)

Speed all three days. Racing on Saturday. Helmets required for racing pit crews. *Carrier contestants may enter sportsman or expert but not both. Contestants may fly for a score in any other NCS recognized events. Scores will be Submitted to NCS for top 20 rankings. Sportsman contestants may use muffler pressure in conjunction with stock mufflers and carburetors. Event director has final decision. Deck set up on Sunday at 10:00AM.
Entry Fee: \$15 first event, \$5 each additional event, \$25 maximum.

Contest Director: Patrick Hempel
For additional info. contact
Email: ptrckhem@aol.com

Sponsored by
Dallas Model Aircraft Association
Fuel and awards provided
By NASS & DMAA
AMA: License & Entry fee required
www.dmaa-1902.org

Racing Event Director: Bill Lee
Carrier Event Director: Bill Bischoff



32ND EDITION

GRAND PRIX DE FRANCE

16-17

JULY 2016

LANDRES

ENJOY YOUR FLIGHT

On-line registration
WWW.F2CMBL.ORG
WorldCup F2A-F2B-F2C-F2D
F2F-F2G



DUTCH GRAND PRIX

5TH EDITION

JULY 2016

14-15



The complaint desk has closed.

The Editor has left the building.