

**From: National Control Line Racing Association
Melvin Schuette P. O Box 240
Auburn, KS 66402**



TO



Rod Christie, Charles Barnes and Bill Bischoff with Quickie Rat's at the Gene Hempel Memorial Contest this past April 9, 2016.

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Torque Roll Issue #126
June 2016

PRESIDENT- Melvin Schuette

To My Fellow NCLRA Members;

It is hard to believe that this is my last article as the President of the NCLRA. Four years ago I volunteered for the job as President to prevent the organization from folding. To be honest all I did these past four years was to keep the organization alive. A year ago I announced that I would be stepping down at the end of my second term of office. At that time, I was afraid there would not be anyone willing to put forward a nomination for President and the organization would fold. I was wrong however, as current South Central Representative Bill Bischoff has made his intentions known in the last issue or T.R. that he is running for President. I have known Bill a long time and know that he is well qualified for the job. I know he has a number of ideas that will be helpful to the NCLRA.

However, since I still wish to remain active within the organization, I have announced my nomination to Les for the office of Secretary/Treasurer. So, unless someone else I don't know about is running a write-in campaign, then I have a pretty good chance at that position.

Hopefully everyone has received their entry form for the 2016 Control Line Nationals, filled them out and sent them in. There is one addition to this year's nationals that won't be on the entry form. We will be holding a 500 lap Sport Goodyear event after the Sport Goodyear event is over. The entry fee will be \$1 per person with winner taking home all the money. I am looking for a pilot.

Brenda and I just returned from the 2016 C/L World Championships in Perth Australia. This was our first time to Australia, so we decided to do some site seeing before getting to Perth Wednesday afternoon. Before we left, we both agreed that if we do get the chance to attend a World Championships again it would have to be for the entire week. By the time we arrived at the site all of F2C heat races were over. All that was left was the three semi finals on Thursday and the finals on Friday. Along with the Nostalgia Team Race event that was flown before the finals.

After the finals were over they held a demonstration of an expansion chamber muffler that was glued on to the side of a F2C plane. The plane was first flown without the muffler, with sound level readings being taken from inside of the circle. Then the expansion chamber (muffler) was glued on with ca glue. The difference was quite noticeable; with a 7db drop in the sound level in the middle of the circle. The only difference between the plane with and without the muffler was that they lost two laps per tank. What the plane will do in a three up 200 lap race has not been tested.

This was also the first time we had the chance to see a flying site outside of the United States. If you compare it to the site AMA has in Muncie, the Muncie site is hands down the better of the two sites. What you have to remember is that this is a local flying site. Normally they have a paved circle for Speed,

a grass circle with a concrete center for combat, and a concrete doughnut circle for F2C. For the World Championships the Combat site was moved to allow for spectators around the F2C circle and two asphalt circles were put in for F2B (stunt). The racing circle is only big enough to handle planes on 52' lines. However, it is equipped with a permanent tower, and an electronic timing scoreboard opposite the tower. For the Championships the scoreboard was not used for any official times, but everyone could tell where each team was during the race and where they finished the race at.

There was a new record set in the 100 lap heat race and a new record in the 200 lap final. However, these records will be short lived, since starting in 2017 F2C will be requiring pit stops.

I hope everyone gives the new President the same support you have given me over these past four years.

See you at the Nationals.

Melvin

NORTH EAST- Phil Valente

RESULTS: South Jersey Aeromodelers Middlesex, NJ April 24, 2016 Phil Valente, CD & reporting.

SPORTSMAN CLOWN RESULTS

(7 entries 7.5 minutes)

1 st . Dave Edwards	140 laps (Tied own club record)
2 nd . Al Ferraro	136
3 rd . Jim Viganì	136
4 th . Phil Valente	121
5 th Raul Diaz	118
6 th Ernie Evon	98
7 th Tom Schaffer	69

"Sportsman Category." We fly 71/2 minute races; each contestant had two chances.

NCLRA CLOWN

(60ft lines; 7.5 minutes)

1. Al Ferraro	130 laps
2. Dave Edwards	128
3. Tom Schaefer	124

SOUTH WEST-Ron Duly

Weather that any Chamber of Commerce would die for was what we had this fine day. Fine weather, fine friends and good races made for a great day at the races.

1/2A Mouse was first up and three teams answered the call. The Dave Hull/Charlie Johnson team flew a Bill Netzeband design, the Cat's Paw. The Charlie Johnson/Dave Hull team flew a Streaker V (that is "five" for you non-Romans) and the Doug Mayer/Scott Dinger team flew something else. Somehow I missed getting the info on their plane. For the 50 lap races, Hull/Johnson turned in a 3:28.28, Mayer/Dinger turned 2:45.97 and Johnson/Hull turned a 3:29.51.



Tristan Mayer Piloting His Mouse Racer. Nice to see Some Juniors Again.

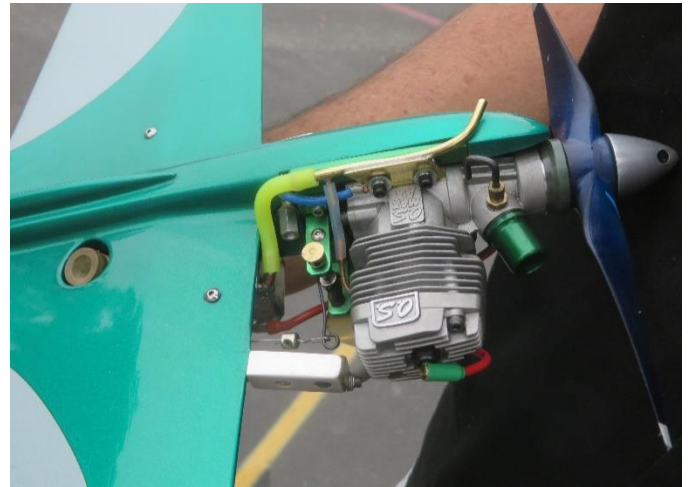
Having three teams is great. Having two teams with very similar names made for a no three-up Final. In the two-up Final, Mayer/Dinger posted a 7:34.27 (even showing us how to change a plug at the “GO” signal) while Hull/Johnson posted an 8:00.22. Dave Hull has an interesting pitting style. He’ll catch an inboard OR an outboard wing as the mood strikes him. Fun to watch and guess which he’ll grab each time. Next up were the Juniors. You other regions have Juniors, too, right? Doug Mayer kindly contributed his two sons to the day’s races. Tristen (Mayer the younger) started off fine until his race ended at 37 laps. He is a competitor and was disappointed that his race ended so soon. Brother Mason (Mayer the older) made a complete flight and turned a fine 3:32.29. It is always great to see Doug encouraging his boys.



Scott Dinger and Christina with Scott’s O.S. 35AX powered Quickie Rat. Schnuerle port 35’s are Quickie Rat legal in Socal.

Next up was Quickie Rat. Scott Dinger is well known in stunt circles for his beautifully crafted mufflers. Talent is such a wonderful thing. Bummer that he got my share! His plane, named Alley Rat, is just beautiful. If it was a stunt plane it would be on the Front Row. His engine of choice was an OS 35AX. He was assisted by Christina. She is a joy to be around. She launches for him in practice. When Scott’s Mouse suffered an elevator hinge failure she promptly sewed it back on with 1/2A dacron flying line. Would your Pit Person do that for you? As

for the races, Scott teamed with Doug Mayer while Dave Hull teamed with Charlie Johnson, flying Dave’s Lumber Yard with a K&B 40. Scott decided to pit while Doug flew. That was perhaps fitting since Doug designed the plane! In the 70 Lap race, Hull/Johnson turned a 4:06.89 while Dinger/Mayer turned a 3:52.10. In the 140 lap Final, Hull/Johnson turned a 11:34.23 while Dinger/Mayer turned a 8:02.48. The highlight of the race was Scott’s catch-refuel-one flip-and release pit stop. That boy done GOOD!



The business end of Scott Dinger’s Quickie Rat, The finish on this airplane has to be seen to be believed.



Dave Hull took his legendary “Lumber Yard” Quickie Rat out of retirement for this contest. Hey, It still Works!

We closed out the day with Mason flying his Sport Goodyear with a time of 8:00.49 for 100 laps. His plane was timed during the race at 35 seconds for 8 laps (52’ lines) or about 51 miles per hour. Dad pitted and Mason flew very well. Thanks to Mike Jones and Paul for timing all day. We’ll do it again in September. Join us!

FROM THE EDITOR...

Regarding the upcoming Election

The ballots for the election of the Officer’s have been emailed out to all of the current members. Please fill out and return to Dave Rolley using the information given on the ballot.

The latest version of the free Acrobat reader has the capability for you to edit the file (mark your choices) and save the file. You can then email the file without having to scan it.

SOUTH EAST- Jim Bradley

Everyone getting ready for the NATS by now I hope? I hope we have more people showing up this year. I have heard from Bob Whitney and Jason Allen that they are planning to return this year after missing the last few NAT'S due to Jason returning to school and getting a degree in Mechanical Engineering. It will be great to have them back again. It is encouraging to me that racing is trying to make a comeback here in the Southeast. I have heard from 2 guys, Bob Wiegand and Bob Cory that raced back in the 70's. Bob Wiegand lives in Northwest Georgia and Bob Cory lives here in Florida. They both have expressed an interested in getting back into racing again. Now if we can just fine a place to hold some control line racing contest maybe we can get something restarted.

The thing that really needs to be addressed is we need to get some younger people interested in control line and racing in particular. This is actually very important as many of us are getting along in age and can't physically fly the faster events any longer. We need to find and help some younger people who are interested in building and flying control line but may lack the resources to compete in the faster events. There really isn't much of a "Next Generation" of control line racers coming up through the ranks today.

Now it's time to get busy getting ready for the NAT'S. In my case that means finishing a new Quickie Rat and finishing the Electric Clown I started some time ago to. I also need to start doing a lot of engine testing real soon.

Till next time. May all you pit stops be one flip

Jim Bradley, bmp4carbon@aol.com

SOUTH CENTRAL- Bill Bischoff

WICHITA CONTEST Racing Report

May 28, 2016

Bill Bischoff

This contest was a comedy of errors. Wichita has two different sized "donut" circles. Due to recent rains, both circles had standing water in some places. The mouse racers mostly fared OK, since the lines were short enough to avoid the big puddles around the outer edge of the circle. Sport Goodyear was moved from the smaller circle to the larger circle, where there was less water. However, the larger grass infield was quite good at snagging planes on takeoff or landing. Also, the puddle locations affected available pitting locations, and the wind grabbed a plane or two on takeoff. Goldberg had less problems due to the longer lines, but for one pilot the lines must have seemed too long. He struck his pitman on landing, cracking the fuselage and forcing him to retire. Not related to the water, there also seemed to be quite a few airplanes dying on takeoff, and I think I flew all of them! In spite of all that, we still had fun. I got to meet David Clark and Rich Perry, whom I had corresponded with and sent parts to previously,

and in general there seems to be a good deal of enthusiasm for Sport Goodyear. I am told they will be having another contest in August, with Mouse I, Sport GY, Goldberg, Quickie Rat, and SSR. Traditionally the date would be Aug 13/14, but I don't know for certain at this point. I do know I'll be going!



Mike Greb launching Dale Gleason's Sport Goodyear.

MOUSE I	heat	final
1)Patrick Hempel	2:32.8	5:04.47
2)Melvin Schuette	2:37.8	5:35.5
3)Rod Christie	2:48.4	? laps
4)Mike Greb	2:51.8	

SPORT GOODYEAR	heat	final
1)Mike Greb	4:41.9	8:52.9
2)Bill Bischoff	4:52.5	9:21.9
3)Bill Lee	4:43.4	? laps
4)Melvin Schuette	5:44.2	
)Patrick Hempel	? laps	
)Rod Christie	? laps	
)Rich Perry	? laps	

GOLDBERG	
1)Melvin Schuette	11:58.56
2)Rod Christie	13:51.
3)Patrick Hempel	? laps

GENE HEMPEL MEMORIAL CONTEST

Racing Report April 9, 2016

Bill Bischoff

Even though Don Cranfill, Richard Oliver, and John Hill did not attend, we had a good turnout with eleven contestants. Melvin Schuette and Rod Christie came from Kansas, Charles Barnes came from Georgia, and his son Chuck came from Houston. In addition, we had most of the local "usual suspects". Rod Christie is still fairly new to racing; in fact, he had never flown three up before. He did a fine job of flying for himself and Melvin, and even won Goldberg race. We had six entries in Mouse, and flew 2 heats and a final, all three up. Patrick and Melvin qualified within a second of each



Hempel, Christie and Gleason flying in the Sport Goodyear Races.

other, and Mike was less than a second ahead of Rod to get the third spot. The final was a good close race, with the outcome never certain until it was over. Melvin got his glove in the prop on one pit, killing the engine. The restart could have very well been the difference between first and third.

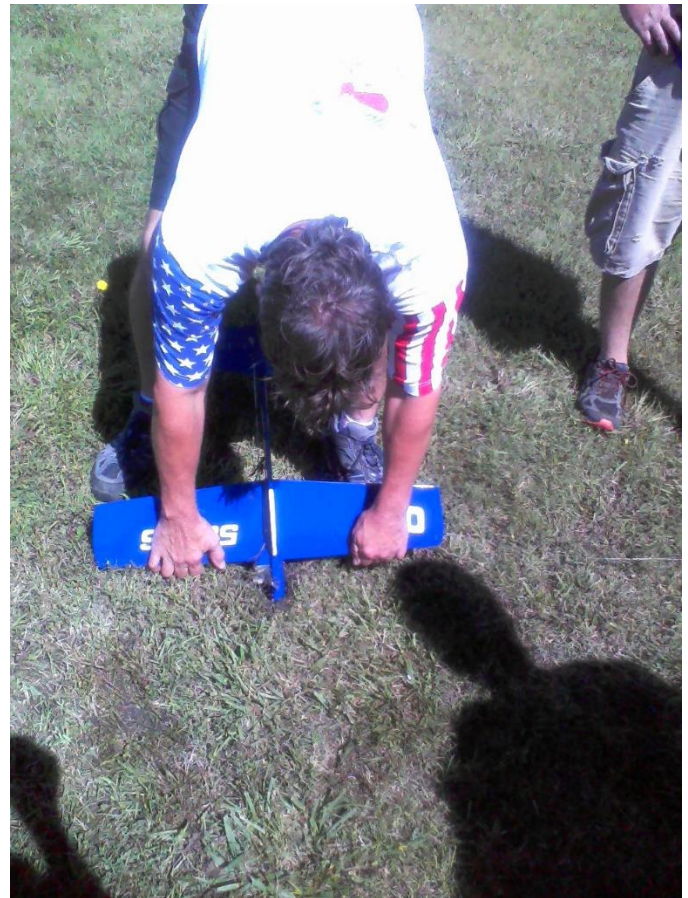
Goldberg had six contestants. With only three finishing, it was a little easier to guess who the winners would be.

Sportsman Goodyear had nine contestants. The plan was to fly three sets of heats, followed by a final. The Polecat was the most popular design, with three entered. There were two Sig Busters, and four different individual entries. Dale Gleason set the stage in the first group of heats with a 4:07.82. In the last group of heats, Bill edged by Dale with a 4:07.47. In Bill's second heat, he had a fair amount of solo time, allowing him to record a 4:03.85. Mike Greb was third with a 4:15.93. We decided to skip the final because: 1) Mike Greb had pitted all of the top three 2) Bill Bischoff had flown two of the top three 3) Bad weather was fast approaching so we wanted to get more events flown 4) All the above. The correct answer is 4, all the above.

We skipped Super Slow Rat and flew Quickie Rat to accommodate our out of town guests, all of whom had Quickies. In the first race there was a line snag during a pit stop, leaving Bill B. to finish the race alone. As punishment for who knows what, Bill got to finish out the race in a cold rain. This was the only time recorded for Quickie.

In spite of being cut short, we had an excellent day of racing. There were some good performances and some close races. Every race began as a three up race. How often does that happen? I hope Melvin and Rod can continue to work as a team. They seemed to function well together. Having a dependable team mate is very important in racing, which is why I'd like to thank my team mate for the last 30 years, Mike Greb. Thank you, Mike.

MOUSE I	heat	final
1)Patrick Hempel	2:31.32	5:26.95
2)Mike Greb	2:42.22	5:29.34
3)Melvin Schuette	2:32.14	5:32.00
4)Rod Christie	2:42.98	
5)Charles Barnes	3:11.68	
6)Chuck Barnes	4:05.01	



Patrick Hempel shows the other contestants how Texan's dig for Ground Squirrels with a Sport Goodyear. You just start it and...Hard on Props though!

GOLDBERG

1)Rod Christie	10:20.41
2)Charles Barnes	10:26.70
3)Dave Ek	12:11.57
4)Dale Gleason	136 laps
5)Patrick Hempel	78 laps
6)Melvin Schuette	no start

SPORTSMAN GOODYEAR

1)Bill Bischoff	4:03.85
2)Dale Gleason	4:07.82
3)Mike Greb	4:15.93
4)Bill Lee	4:20.65
5)Patrick Hempel	4:22.28
6)Melvin Schuette	4:27.30
7)Charles Barnes	4:35.45
8)Rod Christie	4:44.74
9)Stephen Jeansonne	4:48.62

QUICKIE RAT

1)Bill Bischoff	7:52.25
2)Melvin Schuette	43 laps
3)Charles Barnes	? laps
)Chuck Barnes	DNF
)Rod Christie	DNF
)Bill Lee	DNF

CONTEST CALENDAR

NOTE! Confirm all contest details with Contest Director!

NCLRA cannot be held responsible for errors or omissions! This calendar is compiled from data collected at the NCLRA website nclra.org. and other published sources. Members can log in to NCLRA.org and submit contest details.

NORTHEAST DISTRICT

South Jersey Aero Modelers 2016 Racing Schedule

Contest site: Mountain View Park, Middlesex, NJ

CD: Phil Valente.

Nov 6 Sportsman Clown Racing, Foxberg, Heavy Metal, 1oz. Goodyear.

Nov 20 NCLRA Clown Racing, Sportsman Clown Racing, 1oz. Goodyear.

NORTH CENTRAL DISTRICT

None

NORTHWEST DISTRICT

None

MIDWEST DISTRICT

2016 AMA Nationals Muncie In. AMA Contest site

Control Line Racing will take place July 18-21.

Monday July 18 F2C Team Race and Quickie Rat

Tuesday July 19 Mouse I and NCLRA Clown Race

Wednesday July 20 AMA Goodyear and Sport Goodyear

Thursday July 21 AMA Slow Rat and Super Slow Rat

Anyone interested in running an event is urged to contact

NCLRA President Melvin Schuette at: mbschuette@cox.net

September 10-11 -- Dayton, OH (AA) COLD CASH SPEED BASH. The Dayton Buzzin' Buzzards will host C/L Racing as part of the annual Cold Cash Speed Bash.

Site: Wegerzyn Gardens Metropark. Bob Heywood CD PH: 937-890-7555 Email: rheywood@woh.rr.com. Visit:

buzzinbuzzards.weebly.com. Sanction #16/1238. Events; 301-310

(JSO). Both days; All AMA speed events plus NASS C Speed, Sport jet, Perky & Fox 35 Speed (St. Louis Rules).

Sunday; NCLRA Fox race/ SSR combined, TQR & Sportsman Goodyear (Dallas Rules). Entry \$10 per event. Flying 9am-5pm.

Sunday: No Jets before noon! Food available on site. Sponsor:

DAYTON BUZZIN BUZZARDS MAC

SOUTHEAST DISTRICT

None

SOUTH CENTRAL DISTRICT

2016 Texas Racing Schedule

June 11th- Dallas, TX

Mouse I, DMAA Fox/Goldberg, DMAA Sportsman Goodyear, NCLRA Super Slow Rat, NCLRA Quickie Rat

September 3rd- Dallas, TX

Mouse I, DMAA Fox/Goldberg, DMAA Sportsman Goodyear, NCLRA Super Slow Rat, NCLRA

A Quickie Rat

contact Bill Bischoff (billbischoff@hotmail.com)

October 8th- Dallas, TX

Mouse I, DMAA Fox/Goldberg, DMAA Sportsman Goodyear, NCLRA Super Slow Rat, NCLRA Quickie Rat

CD- Bill Bischoff (billbischoff@hotmail.com)

November 12th- Houston TX

DMAA Sport Goodyear, NCLRA Super Slow Rat

Another assumption based on previous years

SOUTHWEST DISTRICT

Whittier Narrows Racing & Speed Calendar For 2016

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.

PRELIMINARY SCHEDULE

September 10-11 Wayne Trivin Speed & Racing Memorial.

October 22-23 Virgil Wilbur Speed & Racing Memorial.

December 3-4 Toys For Tots.

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

Jon DeFries (951) 315-3929

Racing contacts: Ron Duly (818) 843-174

Don Burke (714) 329-1457



The F2C Final at the recent World Champ's in Perth Australia. The Aussie's finished 1-2, the French were 3rd.

NATIONAL RECORDS

SLOW RAT (.25 engine)

Op (70 laps) 3:01.52 Jim Gall/ Les Akre 7/04/11
(140 laps) 6:17.59 Russ Green/ Bill Lee 7/07/09
(no Jr or Sr record)

½ A MOUSE 1

Jr (50 Laps) 2:37.57 Scott Matson 7/15/99
(100 Laps) 5:17.68 Scott Matson 7/17/99
Sr (50 Laps) 2:44.68 Dave Rolley Jr 7/15/99
(100 Laps) 5:20.11 D.J. Parr 7/16/98
Op (50 Laps) 2:12.3 Jim Holland 7/16/04
(100 Laps) 4:22 Ryan&Gibeault 7/15/99

½ A MOUSE 2

Op (70 Laps) 3:01.24 MacCarthy/Kerr 7/11/03
(140 Laps) 6:18.13 Whitney/Hallas 7/10/09

SCALE RACING

Jr (70 Laps) 2:50.65 Bob Fogg III 7/16/91
(140 Laps) 6:08.55 Bob Fogg III 6/23/92
Sr (70 Laps) 3:15.12 Doug Short 7/11/00
(140 Laps) 5:40.05 Bob Fogg III 7/11/95
Op (70 Laps) 2:39.38 Willoughby/Oge 7/15/97
(140 Laps) 5:33.04 Bob Fogg Sr 7/16/91

F2C TEAM RACING

Op (100 Laps) 3:42 Fisher/Wilk 7/13/15
(200 Laps) 6:43.32 Fisher/Wilk 7/16/12

F2CN (NCLRA RULES)

100 Laps 4:14.84 Bill Lee/ Russ Green 7/07/11
200 Laps 8:37:10 Wallick/Brozo 7/15/13

NCLRA 'B' TEAM RACING

Op (35 Laps) 1:24.34 Burke/Duly 7/12/05
(70 Laps) 3:05.73 Green/Lee 7/10/09
(35+70 Laps) 4:33.91 Green/Lee 7/10/09
(140 Laps) 6:08.80 Green/Lee 7/10/09

RAT RACING (.15 RULE)

Op (70 Laps) 2:44.6 Jim Holland 7/15/04
(140 Laps) 5:33.1 Jim Holland 7/15/04
Jr-Sr No record established

NCLRA FOX RACE

Jr (100 Laps) 5:57.11 Scott Matson 7/11/99
Sr (100 Laps) 5:28.09 Scott Matson 7/16/02
Op (100 Laps) 5:32.55 Tim Stone/Bob Oge 7/10/05

NCLRA CLOWN RACE

Op (7 ½ Min.) 150 Laps Bischoff/ Lee 7/15/15
Op (15 Min.) 284 Laps Bischoff/Lee 7/15/15

NCLRA TEXAS QUICKIE RAT

Op (70 Laps) 2:58:72 Bill Lee/Bill Bischoff 7/18/13
(140 Laps) 6:07.01 John McCollum/Bill Lee 7/14/05

NCLRA SUPER SLOW RAT

(100 Laps) 5:14.30 Bill Lee/Russ Green 7/05/09

World Champ's Photos



F2C Semi Final.



F2C Final.



F2C Team Winners.

SUPPLIERS

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DARP Speed Pans for classes including
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www.Petrockfarm.com

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Engine reference books 816-229-9671
dunkin@discovernet.com

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5-432-18880 e-mail mejzlik@brno.comp.cz

NELSON COMPETITION ENGINES

121 Pebble Creek Lane, Zelenople, PA 16063
Manufacturer of NELSON Racing Engines and parts, FAI Pans
for F2A & FIC Custom Button Heads, Nelson Glow Plugs, many
other specialty engine items. (Henry Nelson) Phone: (724) 538-
5282 e-mail: nelcomp@fyi.net

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Rubber fastfills, vintage Dons' racing wheels.
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Whitmore Lake, MI 48189-9124
Phone: 734-449-7355 E-Mail: whellieman@gmail.com

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Tom Wilk, 301 W. Redwing St.,Duluth, MN 55803
Phone: 218-724-0928(hm) E-Mail: tawilk36@cpinternet.com

ZALP ENGINES

Zalp F2C&F2D engines- Bob Whitney
456 Garvey rd sw, Palm Bay FL 32908
f2cracer@aol.com

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/ mail checks to William Bischoff,
1809 Melody Ln, Garland TX 75042. For questions, call (972)840-
2135 or email billbisch@hotmail.com



MUNCIE 500



500 LAP SPORTSMAN GOODYEAR RACE

WEDNESDAY JULY 20 (after lunch)

Races flown per DMAA Sportsman Goodyear rules except as
noted
(rules available at dmaa-1902.org)

entries: Each entry gets one 500 lap race. Fastest time
wins. One
airplane, one engine. No limit on prop/ plug changes.
pit stops: Minimum of 9 required (avg. 50 laps per tank)
entry fee: One dollar. Winner takes all!



2016 Control Line World Cup of Australia
Perth, Western Australia.
4-6 May 2016

Results for F2C

Overall Place	TeamID	Country	Name	Qual 1	Qual 2	Qual 3	Semi 1	Semi 2	Final
1	C006	AUS	FITZGERALD, Rob / ELLINS, Mark	3:07.5	DNF: 0	DNF: 0	3:10.5	3:06.5	6:15.0
2	C023	AUS	JUSTIC, Richard / LACEY, Ron	3:08.9	DNF: 0	DNF: 0	3:41.4	3:11.3	6:37.8
3	C007	AUS	WILSON, Murray / POCHENS, Mark	DNF: 52	3:24.8	3:15.5	3:06.0	DNF: 0	DQ: 0
4	C018	R-L	DOZHIDAEV, Sergey / GRIGARTAS, Algis	3:29.4	3:16.8	3:14.6	3:19.0	3:13.8	
5	C003	AUS	POTTER, Grant / HARVEY, Ray	3:17.1	3:19.2	DNF: 93	3:14.4	DNF: 8	
6	C010	UKR	MAKARENKO, Volodymyr / FULITKA, Volodymyr	3:14.4	3:19.5	3:26.6	3:14.7	DNF: 99	
7	C011	NZL	CHRISTIE, Graeme / BROWN, Rod	3:37.2	3:15.7	3:18.5	3:16.7	DQ: 0	
8	C029	SIN	LIEW, Paul / WEE, Chris	DNF: 31	3:25.3	3:15.1	3:23.3	DNF: 27	
9	C015	FRA	OUGEN, Thierry / SURUGUE, Roland	5:18.5	Refly	3:16.6	3:24.7	4:09.3	
10	C016	LTU	ZUKAUSKAS, Nerijus / SABLINSKAS, Gintaras	DNF: 39	3:19.0	DNF: 51	DQ: 0	3:35.3	
11	C013	FRA	SURUGUE, Pascal / SURUGUE, Georges	3:39.5	3:06.2	3:15.2	4:35.2	3:55.8	
12	C031	UKR	RODIN, Illia / OSADCHYI, Igor	3:23.4	3:55.8	3:31.1			
13	C014	FRA	PERRET, Matthieu / PERRET, Jean-paul	3:24.9	DNF: 51	DNF: 52			
14	C032	UKR	MAKARENKO, Anton / OSADCHYI, Oleksiy	3:26.4	DQ: 0	3:50.0			
15	C001	NZL	LEWIS, Glen / BOLTON, Robert	DQ: 0	3:30.8	3:33.1			
16	C022	GBR	FITZGERALD, Michael / THOMASON, Mark	3:31.8	3:34.1	3:31.1			
17	C020	POL	PIOTROWSKI, Krzysztof / DZIKOWSKI, Michal	3:36.4	DNF: 97	3:31.6			

Overall Place	TeamID	Country	Name	Qual 1	Qual 2	Qual 3	Semi 1	Semi 2	Final
18	C004	AUS	LEKNYS, Shane / LEKNYS, Colin	3:32.4	DNF: 51	DQ: 0			
19	C008	USA	FISCHER, David / WILK, Steven	3:45.3	DQ: 0	3:36.3			
20	C027	SWE	SAMUELSSON, Bengt-olof / AXTELIUS, Kjell	3:57.7	3:36.7	DQ: 0			
21	C019	POL	GOLISZ, Waclaw / LESIUK, Wojciech	4:25.0	DQ: 0	3:43.0			
22	C021	POL	BROZEK, Mariusz / ROZBIEWSKI, Pawel	DNF: 0	3:43.1	3:59.1			
23	C026	USA	TOPUNOV, Aleksey / ELBERT, Alex	DQ: 0	3:59.6	3:48.4			
24	C012	NZL	ROBINSON, Andrew / ROBINSON, Brendan	4:23.2	4:18.0	3:50.4			
25	C024	GBR	ROSS, Malcolm / TOOGOOD, Tony	3:51.2	DQ: 0	3:53.2			
26	C030	AUS	MCDERMOTT, Trent / BADDOCK, Keith	DNF: 0	4:01.4	3:54.3			
27	C025	GBR	BARKER, Chris / TRICKER, Neil	4:51.2	5:03.2	3:55.5			
28	C005	AUS	LETCHFORD, Trevor / GANNON, David	DNF: 99	DNF: 0	DNF: 54			
29	C017	LTU	ORLOVAS, Grigorijus / PROKOFIEVS, Vasilis	DNF: 46	DQ: 40	DNF: 77			
30	C002	AUS	LEKNYS, Ryan / REICHARDT, Julian	DQ: 0	DNF: 71	DQ: 0			
31	C028	USA	BISCHOFF, Bill / GREB, Michael	DNF: 0	DNF: 0	DNF: 0			
32	C009	USA	HEMPEL, Patrick / LEE, Bill	DQ: 0	DNF: 0	DNF: 0			

**2016 F2 Control Line World
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F2C Overall Results - Individual

Overall Place	TeamID	Country	Name		Qual 1	Qual 2	Qual 3	Semi 1	Semi 2	Final
1	C017	AUS	FITZGERALD, Robert / ELLINS, Mark		3:04.5	3:21.3	DNF: 0	3:09.1	3:11.1	6:22.8
2	C016	AUS	WILSON, Murray / POSCHKENS, Mark		DQ: 0	DNF: 51	3:08.3	3:07.2	3:14.7	6:23.3
3	C005	FRA	OUGEN, Thierry / SURUGUE, Roland		3:10.0	DNF: 49	3:21.9	3:09.1	3:16.1	6:28.6
4	C026	RUS	DOZHIDAEV, Sergey / DUKOV, Viacheslav		3:17.7	3:09.2	3:09.8	3:50.9	3:09.2	
5	C022	LTU	ZUKAUSKAS, Nerijus / SABLINSKAS, Gintaras		3:15.8	DNF: 50	3:27.7	3:10.4	3:18.1	
6	C004	FRA	SURUGUE, Pascal / SURUGUE, Georges		3:27.5	3:29.0	3:13.3	3:10.8	3:13.7	
7	C025	RUS	ANDREEV, Sergey / VOROBYEV, Oleg		3:07.4	3:16.6	3:08.4	3:12.0	DQ: 0	
8	C032	UKR	RODIN, Illia / OSADCHYI, Ihor		3:24.6	3:12.4	DNF: 67	3:15.1	3:25.1	
9	C031	UKR	MAKARENKO, Volodymyr / FULITKA, Volodymyr		3:03.0	DNF: 96	DNF: 99	DQ: 0	3:15.4	
10	C027	RUS	MIKHONOV, Pavel / CHEREDNICHENKO, Alexander		3:23.2	3:49.7	3:19.4		3:24.5	
11	C003	NZL	CHRISTIE, Graeme / BROWN, Rod		3:16.4	DNF: 96	DNF: 66		4:03.7	
12	C006	FRA	PERRET, Matthieu / PERRET, Jean Paul		3:21.6	3:25.9	3:40.5			
13	C030	NED	ORVOS, Ferenc / METKEMEIJER, Rob		DNF: 98	3:32.8	3:21.8			
14	C033	UKR	MAKARENKO, Anton / OSADCHYI, Oleksii		DQ: 0	DNF: 96	3:23.5			
15	C013	POL	GOLISZ, Wacław / LESIUK, Wojciech		3:24.3	DNF: 34	DQ: 0			
16	C021	SIN	GEHLHAAR, Luzian / OH, Bryan	Jr	3:25.3	3:39.4	DQ: 0			

Overall Place	TeamID	Country	Name		Qual 1	Qual 2	Qual 3	Semi 1	Semi 2	Final
17	C018	AUS	POTTER, Grant / HARVEY, Ray		DNF: 82	3:25.3	DQ: 0			
18	C019	SIN	LIEW, Paul / WEE, Christopher		3:32.5	3:25.6	3:28.2			
19	C011	GBR	FITZGERALD, Mike / THOMASON, Mark		3:52.6	3:26.3	3:35.7			
20	C008	USA	TOPUNOV, Alex / ELBERT, Aleksandr		3:49.3	3:27.4	3:50.4			
21	C015	POL	BROZEK, Mariusz / ROZBIEWSKI, Pawel		3:36.0	3:28.9	3:33.5			
22	C002	NZL	LEWIS, Glen / BOLTON, Robert		3:58.3	3:31.2	3:31.0			
23	C012	GBR	ROSS, Malcolm / TOOGOOD, Tony		3:32.1	3:33.0	3:59.9			
24	C014	POL	PIOTROWSKI, Krzysztof / DZIKOWSKI, Michal		3:44.6	3:32.1	DNF: 37			
25	C001	NZL	ROBINSON, Andrew / ROBINSON, Brendan		3:43.8	3:32.9	3:48.5			
26	C007	USA	FISCHER, Dave / WILK, Steve		3:52.8	3:34.4	3:40.3			
27	C023	LTU	ORLOVAS, Grigorijus / GRIGARTAS, Algis		DQ: 0	DNF: 35	3:35.7			
28	C010	GBR	BARKER, Chris / TRICKER, Neil		3:38.9	DQ: 0	4:30.4			
29	C028	RUS	AKSENOV, Egor / GUZOV, Pavel	Jr	3:51.7	3:52.4	4:07.8			
30	C024	SWE	SAMUELSSON, Bengt-Olof / AXTILIUS, Kjell		DQ: 0	3:57.4	3:53.9			
31	C009	USA	HEMPEL, Patrick / LEE, Bill		DQ: 0	4:36.1	DNF: 29			
32	C020	SIN	ONG, Richard / SU, David		DNF: 15	DNF: 38	DQ: 0			

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F2C Results - Countries

Place	Country	Score	Competitor Place		Competitor Place		Competitor Place		Competitor Place	
1	Australia	20	C017	1	C016	2	C018	17		
2	France	21	C005	3	C004	6	C006	12		
3	Russia	21	C026	4	C025	7	C027	10	C028	29
4	Ukraine	31	C032	8	C031	9	C033	14		
5	New Zealand	58	C003	11	C002	22	C001	25		
6	Poland	60	C013	15	C015	21	C014	24		
7	Singapore	66	C021	16	C019	18	C020	32		
8	United Kingdom	70	C011	19	C012	23	C010	28		
9	United States of America	77	C008	20	C007	26	C009	31		
10	Lithuania	32	C022	5	C023	27				
11	The Netherlands	13	C030	13						
12	Sweden	30	C024	30						

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