

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



TO



Alan Deveuve with his new Polecat Sport Goodyear.

**Torque Roll Issue #120
June 2015**

PRESIDENT: Melvin Schuette

To My Fellow NCLRA Members,

I have mentioned in my previous articles that I had surgery, but wasn't specific as to what type of surgery I had. For those that do not know I had my right knee replaced. The surgery went well, but my recovery is taking longer than I was hoping for. Yes I have been able to fly the models. In fact there is a picture of me flying with the use of a cane. The only flying I have been doing though is sport flying. I have not had the opportunity to try flying or pitting a racing plane. Hopefully I will be ready in time for the Nat's.

To be honest I did not get any building done that I had planned on doing while I was off work. Hopefully everything I used last year will still work for this year.

Recently the local club I belong to learned that the Park Department has decided to build an aquatic center in the park that our flying site is located in, and that there are no plans to leave the flying site intact. If they do relocate us the park department will not spend the money to put in a paved circle. One of the park department people asked me what we will do if we lose our flying site. I told them that I will find a place to fly and if need be I will drive 125 miles to the closest paved flying site to practice. Hopefully I can talk my son into going with me when I need to do some test flying. My other choice is to wait until we go to Dallas for a contest and get there early enough to practice with some of the Dallas club members.

It is hard to believe, but the Nationals are just around the corner. The time limit for pre entries is coming up soon. Remember AMA has instituted a mandatory late entry fee. If you plan on attending this year's nationals don't forget to get your entry form sent in. Hopefully we will have more entries than I had responses to my inquiry in the last issue of Torque Roll about who will be entering what events at this year's Nat's.

The NCLRA is ready for the nationals, we have event directors lined up. The trophies for the unofficial events have been ordered, and I have placed the order with AMA for the supplied fuel. The fuel for this year's nationals will be Riches Brew 10% nitro with 15% synthetic oil and 5% castor oil. Even though I would prefer otherwise the annual meeting will be held at the Sirloin Stockade on Thursday evening, unless I can find a better place to hold it.

The Schedule for C/L racing is Monday F2C, F2CN and B Team Race. Tuesday is Class I and II Mouse and Scale Race. Wednesday is Slow Rat, Clown, and Sport Goodyear. Thursday is Rat, Quickie Rat and Super Slow Rat. All processing will be from 8:00am to 8:30am the day of the day of the event. The pilots meeting will be at

8:30am and first flight at 9:00am. We will need people to be timers, and a photographer. I will provide the camera.

I look forward to seeing all of you at the Nat's.

Melvin

Northwest Regionals Racing Results

MOUSE RACE CLASS I (2 entries)

1. Paul Gibeault, Leduc, Alberta, 5:14.5
2. Bruce Tunberg, McMinnville, Ore., watch error (1)

NORTHWEST FLYING CLOWN RACE (4 entries, 2 flew) (7.5-minute heat)

1. Bruce Tunberg, 107 laps (1)
2. Allen Hoffman, Paradise, Calif., 95 laps

NORTHWEST SPORT RACE (3 entries)

1. Paul Gibeault, 809.5
2. Henry Hajdik, New Westminster, B.C., 9:35.78 (2)
3. Bruce Tunberg, DQ (1)

NORTHWEST SUPER SPORT RACE (2 entries)

1. Paul Gibeault, 7:21
2. Mike Hazel (Nitroholics Racing Team), Mehama, Ore., 7:58 (1)

NORTH EAST: Phil Valente

South Jersey Aeromodelers Contest April 26

Sportsman Clown

1. Jim Vigani.....138
2. Dave Edwards....133
3. Tom Schaefer....132
4. Jim Gall.....126
5. Al Ferrara.....115

NCLRA Clown

1. Dave Edwards.....154
2. Al Ferrara.....144

1 Ounce Goodyear

1. Jim Gall.....7:05

Middlesex Modelers Contest May 17

Sportsman Clown

1. Jim Gall.....140
2. Jim Vigani.....138
3. Dave Edwards.....134
4. Tom Schaefer.....130

Foxbeg

1. Tom Schaefer.....10:08
2. Dave Edwards.....10:31
3. Jim Vigani.....12:54

Heavy Metal

1. Jim Gall.....6:19
2. Dave Edwards.....6:33
3. Tom Schaefer.....6:51

Fast Rat

1. Jim Gall.....7:56

SOUTH WEST: Ron Duly

April 2015 Scar Race Results: by Don Burke

A good time was had by all. A new flyer, Scott Dinger, brought his TQ out for the first time.

With practice he'll be right there. Mike Callas, Bob Kerr, and Steve Eichenberger also showed, filling out the entry list. Kevin Kusik joined us on a rare Sunday off. Dale Long sidelined his usual timing job, and fielded a TQ.

The races were interesting if only for the fact that they were typical tortoise/hare events. No one seemed to get flawless runs with all the close ones decided by pit work or strange engine runs. That's my excuse and I'm sticking by it!!!

With the Combat, Carrier and Speed events also running it was almost like an AAA event. Hope we get similar turnouts for future events.

TQR	entrant	heat 1 70 laps	final 140 laps
1	Jed Kusik	04:11.05	07:50.43
2	Don Burke	03:26.87	07:54.41
3	Scott Dinger	11.40.93	
4	Dale Long	12 laps	

SCAR GY	entrant	heat 1 100 laps	final 200 laps
1	Jed Kusik	05:07.77	10:56.53
2	Don Burke	05:23.77	11:22.16
3	Mike Callas	06:23.23	
4	Steve Eichenberger	07:21.00	
5	Bob Kerr	71 laps	

CLOWN	entrant	heat 1 7-1/2 min
1	Jed Kusik	102
2	Don Burke	100

SOUTH CENTRAL: Bill Bischoff

By now, you should all have seen the "Margaret June" construction article in the current issue of *Model Aviation*. If you liked it, please drop a line to editor Jay Smith at jays@modelaircraft.org. Make sure he knows that we control liners are not dead, and appreciate being thrown a bone once in a while.

Please note that the October racing contest in Dallas has changed weekends. The new dates are October 23-25 instead of October 9-11. The change was made to avoid conflict with the F2B team selection in Houston on the 10-11th. And speaking of contests, how about some results?

DALLAS TX April 25, 2015

The weather was kind of "iffy" at times, which ultimately led to us not flying SSR. Also, there was only one entry in Quickie Rat, so it was not flown. Allen Deveuve was the winner in Sportsman Goodyear, flying a brand new Polecat. This was his first time to enter the event. Mike Greb got caught in a takeoff SNAFU, and his Polecat sustained a bit of damage. He elected to not try to make field repairs, but his airplane has since been returned to good as new status.

Results

Mouse I

1)John McCollum	4:49.34
2)Patrick Hempel	5:56.75
3)Mike Greb	21 laps

Fox/Goldberg

1)John McCollum	10:02.68
2)Patrick Hempel	10:24.56
3)Dale Gleason	10:52.18
4)Stephen Jeansonne	120 laps

Sportsman Goodyear

1)Allen Deveuve	9:13.50
2)Bill Bischoff	10:17.50
3)Stephen Jeansonne	10:29.52
4)Patrick Hempel	12:04.19
5)Dale Gleason	38 laps
6)Mike Greb	1/2 lap

HOUSTON May 24, 2015

Except for some uncooperative weather, this would have been a most interesting contest. Sport Goodyear was featured twice, with Super Slow Rat in between. For the first Sport Goodyear event, everybody flew two back to back 160 lap finals, and we just took best times to decide the finish. The second Sport Goodyear event was to have been back to back 80 lap heats, with the best 3 going to a 160 lap final. Unfortunately, as we were trying to finish SSR, we were shut down by lightning and thunder, and we got rained on as everyone was packing up. Weather notwithstanding, there were some good performances. I think the highlight was Phil Dunlap almost winning SSR in his first time entering the event.

Results

Sportsman Goodyear

1)Bill Bischoff	8:38.9
2)Allen Deveuve	8:51.7
3)Patrick Hempel	8:59.5
4)Dale Gleason	9:05.2
5)Mike Greb	9:06.1
6)Richard Oliver	9:28.7
7)Bill Lee	9:56.4

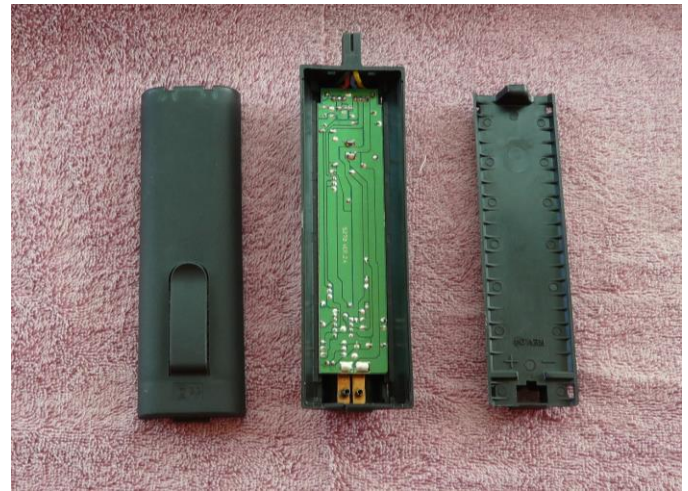
Super Slow Rat

- 1)Bill Bischoff 5:38.7
- 2)Phil Dunlap 5:39.7
- 3)Bill Lee 5:54.7
- 4)Dale Gleason 7:45
- 5)Mike Greb didn't get to fly
- 6)Richard Oliver withdrew

CONVERTING THE TRAXXAS EZ-START II TO A GLOW PLUG IGNITER - Bill Bischoff



Traxxas nitro powered RC cars feature electric start. The onboard starter motor is controlled and powered by a hand held unit containing a 6 cell Ni-Cd or Ni-MH battery. You or your kids may even have one. At the push of a button, the unit powers the starter motor and lights the glow plug. The unit is a convenient shape and size, and makes a good arm-mounted starting battery for us racers. The batteries are common and inexpensive, the mod's are easy, and everything is readily available. By shopping for a good deal on the unit and battery on Ebay, buying parts from Tower Hobbies and WalMart, I was able to build one of these units complete with forearm mount for less than \$35. What you will need is a Traxxas #5280 EZ Start 2 control box, an appropriate battery (I used an 1800 mAh Ni-Cd), a Duratrax DTXP5731 rocker switch to replace the momentary switch, a couple velcro straps (I used HPI103682 battery straps), a set of Deans WSD1300 Ultra Plugs, a bit of 16 Ga. wire, and a kids' soccer shin guard. Compared to the venerable Glowbee fireplug, this unit has a simple glow plug continuity LED instead of the meter, and no current adjustment provision. It does have an on/off switch, its flattened shape stays more securely in place on your arm, and again, replacement batteries are inexpensive and readily available.



Begin by disassembling the starter box. Remove the rear cover and battery tray.



Un-solder the switch from the circuit board, and lift the circuit board out of the housing. Push the four electrical connectors into the end of the housing with a piece of music wire or small allen wrench.

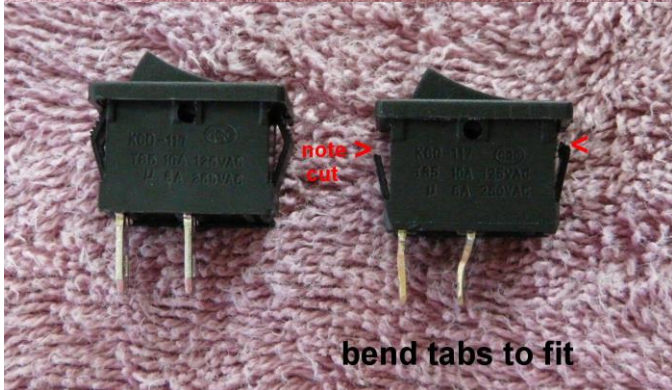


Remove the circuit board. Un-solder the four wires and remove them. Solder a 4"-6" piece of red 16 Ga. wire into the hole where the blue wire was (P5). Solder a 4"-6" piece of black 16 Ga. wire into the hole where the yellow wire was (P6). . Since we don't need to power the starter motor, the other wires are no longer needed.





enlarge slot to fit switch



bend tabs to fit



narrow tabs to fit

Remove the switch from the starter housing, and enlarge the hole to fit the new switch. The new switch will have to be modified as shown in the photos. This is best done with a moto-tool and cut off wheel. Verify that the switch will fit the slots in the circuit board. If necessary, drill out the holes in the housing for the glow plug wires to fit through. Pass the wires through the holes in the end of the housing, lay the circuit board in position, and snap the switch in place. Re-solder the switch connections. Connect the battery and verify that the switch turns the power on. Reinstall the battery tray and rear cover. Solder a female Deans Ultra Plug on the end of the wires. Solder the male Deans plug to your battery clip. Connect it to a glow plug to be sure the plug and plug indicator light both glow. This completes the starter conversion.



The forearm mount is made from a youth size soccer shin guard. I got mine at WalMart for about \$4.50 per pair. All that is required is to cut the necessary slots as shown. One slot engages the start box's belt clip. A pair of slots are for the velcro strap that holds the start box, and another pair of slots is for the velcro strap that attaches the assembly to your arm. Assemble the box to the mount, and the unit should be ready to use. Of course, the unit will work just as well even if it's not strapped to your arm.

SOUTHEAST: Jim Bradley

Well the NATS seems to be sneaking up on me, again, this year. My Sport Goodyear is still not done but it is slowly getting closer. I hope to get it finished in another week to 10 day so Jim Demeritte and I can get out and test fly before the NATS. It's better to do that than show up with a new and untested model!!

The weather here has been windier than normal this last month and that has slowed down practicing. Hopefully it will start calming down soon. We do have a site that we can use 6 days a week so that opens a bigger window for flying. We share our flying site with some Stickball guy's and they use it Sunday and we mainly fly there Saturday but can use it during the week.

I have read some posting on the Magnum/ASP 15 breaking crankshafts. Has anybody experience this problem? If it becomes a problem we, actually the Dallas club, might consider allowing the crankshaft to be heat treated. Breaking

crankshafts were a problem with some of the original, split crankcase, VA .049's. The solution was to re-temper them in the kitchen oven.

Jim Bradley, bmp4carbon@aol.com

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

June 7 NCLRA Clown (60ft. lines) Fox race/super slow rat Jim Gall.

Aug 2 Stunt Jim Vigani (possibly at North Branch Park)

Sept 13 Combat as above Paul Brill.

Sept 20 VINTAGE COMBAT FEST at GSCB Tom Schaefer.

Sept 27 Foxberg Heavy Metal .25 Slow Rat SSR/ Fox Race SJAM Phil Valente (George Connors)

Oct 4 Heavy Metal Sportsman Clown .25 Slow Rat Dennis Warchol.

Oct 18 Foxberg Heavy Metal Sportsman Clown Al Ferraro.

Nov 1 Heavy Metal Sportsman Clown FR/ SSR SJAM Phil Valente (Brian Silversmith)

Nov 15 Foxberg NCLRA Clown (60ft. lines) Sportsman Clown Phil Valente.

NORTH CENTRAL DISTRICT

None

NORTHWEST DISTRICT

None

MIDWEST DISTRICT

July 13 to 18

89th AMA National Championship

The International Aeromodeling Center (IAC) is located in Muncie, Indiana off Highway 67

SOUTHEAST DISTRICT

None

SOUTH CENTRAL DISTRICT

JUN 20-21--Dallas Hobby Park (AA) Dallas Aero Summer Heat Site: Dallas Hobby Park. Events: Old time stunt, classic stunt, mouse I, Fox/Goldberg, sportsman Goodyear, super slow rat, quickie rat, PAMPA stunt Sponsor: DMAA #1902. CD: Bill Lee, 601 Van Zandt CR 4815, Chandler

TX 75758. Phone: 903-288-6029(other) E-Mail: Bill@WRLee.com WebSite: dmaa-1902.org All racing on Saturday. Old time/classic stunt Saturday, PAMPA stunt Sunday

SEP 05-06--Dallas Hobby Park (AA) Charles Ash Memorial Site: Dallas Hobby Park. Events: Old time stunt, classic stunt, mouse I, Fox/Goldberg, sportsman Goodyear, super slow rat, quickie rat, PAMPA stunt Sponsor: DMAA #1902. CD: Mike Greb, 724 Pauls Ln, Sulphur Springs TX 75482. Phone: 903-438-9883(eve) E-Mail: mgrebb@yahoo.com WebSite: dmaa-1902.org All racing on Saturday. Old time/classic stunt Saturday, PAMPA stunt Sunday

OCT 09-11--Dallas Hobby Park (AA) Fall Finale Site: Dallas Hobby Park. Events: Record ratio speed, sport jet speed, Perky speed, mouse I, Fox/Goldberg, sportsman Goodyear, super slow rat, quickie rat, profile carrier, sportsman profile carrier, 15 profile carrier, carrier I, carrier II Sponsor: DMAA #1902. CD: Bill Bischoff, 1809 Melody Ln, Garland TX 75042. Phone: 972-840-2135(eve) E-Mail: billbischoff@hotmail.com WebSite: dmaa-1902.org Speed all 3 days, starts noon Friday. All racing on Saturday. Carrier Sunday. Carrier contestants may fly any class for a score in the NCS top 20.

SOUTHWEST DISTRICT

Whittier Narrows

Racing & Speed Calendar For 2015

Speed Events: All Speed events including electric, 301-310 & 606-607 + Perky, NASS Sport Jet, and C-Speed. Speed flying Saturday and Sunday.

Racing Events: Super Slow Rat/Fox Race, NCLRA Clown, NCLRA Quickie Rat, and SCAR Goodyear/AMA Nationals Sport Goodyear. All four classes flown at the six scheduled events Clown will be flown using 60 foot lines. Other Racing events may be flown if three entrants show up ready to race.

Racing Sunday only.

Carrier Events: April 2015 contest only.

Combat Events: Speed Limit and One-plane-F2d held at the April contest, same events at Toys For Tots, and Knight's Dale Kirn Memorial TBA

June 20-21 2015

Bill & Bev Wisniewski Speed & Racing Memorial

September 12-13 2015

Wayne Trivin Speed & Racing Memorial

CD & Racing ED: Ron Duly

October 10-11 2015 POSSIBLE CHANGE TO A DATE LATER IN OCTOBER

Virgil Wilbur Speed & Racing Memorial
CD & Speed ED: Howard Doering

December 5-6 2015

Toys For Tots Speed & Racing

Musciano Log Racing, Speed Limit and One-plane-F2d
Combat included in this contest.

Entry Fee: One new unwrapped toy, approximate value
\$10-\$20

CD & Racing ED: Jed Kusik

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

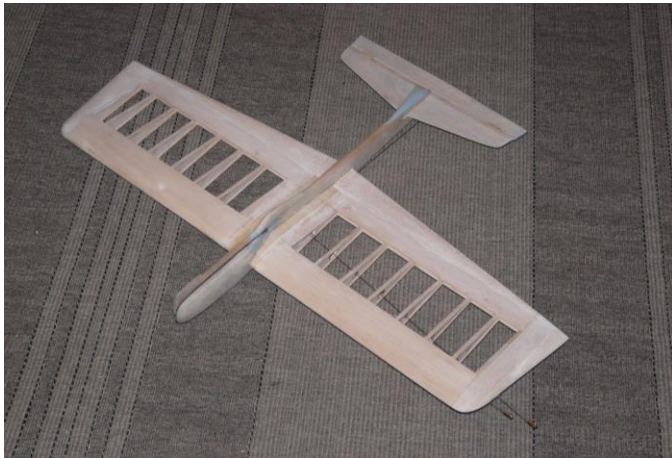
Joe Brownlee (714) 895-1857 Cell (714) 393-1940

Jon DeFries (951) 315-3929

Racing contacts: Ron Duly (818) 843-174

Don Burke (714) 329-1457

Jed Kusik (714) 669-0205



**Bill Bischoff's modified Brodak Super Fly. Wing is shorter
with increased Chord width. Ask Bill For details.**

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) 3:16.47 Lambert/Fluker 7/07/09
(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

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

Op (7 ½ Min.) 139 Laps Bill Lee 7/17/14
Op (15 Min.) 250 Laps Ron Duly 7/17/14

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

SUPPLIERS

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Everything c/! 100 Park Ave, Carmichaels PA,15320
724-966-2726 email flyin@brodak.com

CS ENGINES AMERICA

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www.Petrockfarm.com

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ready built. (Tomas Mejzlik) Phone: 420-5-432-18888 Fax: 420-
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

OLD MAGAZINE PLANS & MORE ON CD

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 RACING PARTS

Back In Stock....1/4" VENTURI FOR MAGNUM/ ASP 15.

Blue anodized aluminum, reamed for accurate sizing. Drilled for
5/32"-4mm spray bar. \$10.00 each

RSM SHORT SUPERTIGRE-STYLE NEEDLE VALVE ASSEMBLY.

Works with the above venturi. \$10.00 each US postage \$3.00 per
order. Non-US, e-mail me and we'll figure it out!

Racing Handles for Sale

These handles were built as outlined in the last newsletter. They
are smaller and lighter than the Fox handle, and have a better,
more secure feel. The wooden grips are finished with Z-Poxy.
Standard cable spacing is 3", but can be made to order. Standard
length from grip to cable loops is 6", but can also be made to
order. \$25 each, plus \$6 per order shipping. (Order venturis and/
or needle valves at the same time and still only pay \$6 for
shipping!). Fox handle not for sale, shown for comparison only.
Bill Bischoff billbisch@hotmail.com



Academy of Model Aeronautics

5161 East Memorial Drive
Muncie, Indiana 47302
(765) 287-1256 – Voice
(765) 289-4248 – Fax
(765) 286-3303 -- Competitions Fax
www.modelaircraft.org
E-mail: cpierce@modelaircraft.org

2016 F2C TEAM SELECTION PROGRAM FINALS ENTRY FORM

This form is for team entry in the 2016
F2C Team Selection Program.

Pilot Name:

__ AMA # _____

E-mail address:

Signature:

Mechanic Name:

__ AMA # _____

E-mail address:

Signature:



Please fill out and send with \$100 (per
team) to:

Academy of Model Aeronautics
Competition Department – Attn: Colleen Pierce
5161 East Memorial Drive
Muncie, In 47302

Credit Card Number:

(VISA, MasterCard or Discover)

Expiration Date:

Check

#: _____

Note to Contest Director:

Entrant must be a current AMA member. As CD you may accept payment for AMA membership and the entry fee at the contest site prior to completion of the preliminary processing of the models. All entry fees and AMA memberships must be forwarded to AMA Headquarters.

Officer's Addresses

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Northwest Representative

(none)

North Central Representative

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Crystal, MN 55422

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Torque Roll is the official publication of the NCLRA. Published bi-monthly. All submissions are valuable & will be considered for publication subject to editing. Preferred format for publication is as a MS Word document using 10 point Times New Roman font. Any photos should be sent as a separate jpeg file, medium res. Email all as an attachment to Les Akre at the address given on this page.

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