

From: National Control Line Racing Association
Bill Bischoff 1809 Melody Ln.
Garland, TX 75042



TO



The Business end of Pete Cunha's new SSR. Note the Enya SS25EX plain bearing ABC engine for Power.

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**Torque Roll Issue #138
June 2018**

PRESIDENT - Bill Bischoff

Even though they're later than usual, the NATS are fast approaching. One thing that means is Officer elections are upon us. The ballot is elsewhere in this issue. Les and I are running again, and at the last minute Melvin agreed to run again as well. Thanks Melvin, and thanks Les.

Once again, we have sponsors for some of the unofficial events. PDK LLC is sponsoring Super Slow Rat, MBS Model Supply is sponsoring Clown, and the Dallas Model Aircraft Association is sponsoring Sportsman Goodyear. Speaking of Sportsman Goodyear, don't forget about the Muncie 500 Sportsman Goodyear race on Friday, Aug 3. Entry fee is \$1.00, winner takes all! Who will win? What pilot will fly the most laps? Come see for yourself, or read about it next time! And let's not forget, a big thank you to Ritch's Brew for donating the NATS racing fuel. Good luck to Rylan Rich, and all of our team, at the upcoming CLWC in France in July.

SOUTHWEST - Ron Duly

April 8th came and went as did the latest SCAR contest at Whittier Narrows. 1/2A Mouse 1 was hotly....closely....sorta flown with two entries. The winning(????!!!) entry of Dave Hull spent a total of eleven minutes to complete 50 laps (11:27.43), just before the sand ran out if the hourglass. The other entry by John Wright managed a whole 27 laps before surrendering to the Hull effort. Next up was SCAR Goodyear, also with an amazing two entries. Dave Hull's entry also placed first in this event and John Wright followed. Dave's 5:53.75 to Wright's 7:30.15. The good news is that a new pilot, Mike Meadows, ventured over from the stunt circle to try his hand at racing. After a very thorough pilot training session by Dave, he was still willing to fly. He did a fine job with both planes finishing unscathed. The question might be asked: where are all the So Cal racers? This makes two contests in a row with poor attendance. Vacation, family issues, lackawanna, and other unknown situations probably contributed. We had fun anyway. Dave Hull entertained us with his wing-twirling 1/2A masterpiece. Yes, the "wings" spin on a wire spar which generate enough lift to fly. The interesting thing is that whipping has no effect on airspeed. Might be a perfect beginner's racing design. The next SCAR race day is June 24th. As always, we invite you to join us. Ron Duly SW Rep.

SOUTH CENTRAL - Bill Bischoff

SPRING WARM UP - Dallas, TX April 28-29

The weather gods really smiled down on us. It was warm, but not hot, there was some breeze but it was not too windy, and it was sunny with just enough cloud cover. In this case, DFC stood for "dandy flying conditions".

Jed Kusik came up from Austin to race with us on Saturday. It was my pleasure to fly for him. He had to get back home, so unfortunately he had to miss Sunday's events. It was good to see John McCollum in attendance. Once again, I got to fly his extremely nice P-40 mouse racer. On Sunday, John took to the center and flew his Goldberg racer. Typically a winner, his

airplane was being fussy about the needle setting. Patrick took the win with a fairly representative time from him.

"Ground" Chuck and "Up" Chuck Barnes were with us once again, and flew in every event. This team unfortunately doesn't get to practice, since dad's in Georgia and son's in Houston. With a little practice, I think these guys could dominate.

A keen eye will notice the lack of clown race results. With only two entries, the Bill and Bill team and the Charles and Charles team all decided to pass on it. Here's how the rest of it turned out.

Quickie Rat

1)Bill Bischoff	6:56.71
2)Jed Kusik	7:17.08
3) C.Barnes Sr.	7:54.03
4)C. Barnes Jr.	68 laps

Super Slow Rat

1)Bill Bischoff	5:19.59
2)Mike Greb	5:55.39
3)Bill Lee	5:57.10
4)C. Barnes Jr.	6:04.05
5)C. Barnes Sr.	6:29.76

Sportsman Goodyear

1)Bill Lee	4:07.88	8:42.69
2)Bill Bischoff	4:15.34	8:45.03
3)C. Barnes Sr.	error	9:07.61
4)Mike Greb	4:17.87	
5)C. Barnes Jr.	4:21.38	
6)Patrick Hempel	4:35.31	
7)Jed Kusik	4:58.67	

Mouse

1)Bill Lee	4:53.72
2)John McCollum	4:55.83
3)Patrick Hempel	5:09.18
4)C. Barnes Jr.	5:17.94
5)Mike Greb	5:57.22
6)C. Barnes Sr.	6:13.90

Goldberg

1)Patrick Hempel	10:14.80
2)John McCollum	11:10.78

CONTEST REPORT - Dallas, TX June 9, 2018

Bill Bischoff

It was sunny and hot. Even though we maintained a modest pace and kept well hydrated, people were pretty used up by the end of the day.

The most notable performances of the day came in Mouse 1. The Lee entry and the Kusik entry had quite a race going, with the Greb entry mostly just getting in the way. In the next race, John McCollum said "hey, I can go fast too", and ended up finishing between the two of them.

In the other events, winning performances were generally good, if not earth shattering. Next stop, NATS!

Mouse 1

1)Bill Lee	4:53.14
2)John McCollum	4:56.80
3)Jed Kusik	5:00.69
4)Patrick Hempel	5:40.75
5)Mike Greb	5:57.59
6)Charles Barnes	6:40.90

Quickie Rat

1)Bill Bischoff	6:57.87
2)Charles Barnes	7:15.36
3)Jed Kusik	DNF

Super Slow Rat

1)Mike Greb	5:44.17
2)C. Barnes Sr.	5:59.95
3)C. Barnes Jr.	7:35.63
4)Bill Bischoff	8:46.73

Sportsman Goodyear

1)Mike Greb	4:15.94
2)Patrick Hempel	4:26.50
3)C. Barnes Sr.	4:43.91
4)Jed Kusik	DNF
4)Bill Bischoff	DNF

Goldberg Race

1)John McCollum	10:16.50
2)Patrick Hempel	10:49.25
3)Charles Barnes	0 laps

OVERFLOW PINCHER

Bill Bischoff

Let's skip the physics lesson, and just say that most uniflow tanks need some kind of quick and easy way to open and shut the overflow. A very common means of doing this is with an alligator clip that pinches a piece of fuel tubing. See the photo. While many people have no trouble with this method, I have found it somewhat "lacking" in the past. Recently, Mike Greb shared a simple and elegant solution to reliable operation. Simply cut two 3/8" lengths of 3/32 brass tubing, and solder them to the inside of the alligator clip's jaws. Then, use a moto tool and cutoff wheel to remove the "teeth" so they don't perforate the tubing. The brass tubing provides more contact area for pinching the tubing, which means more reliable operation.

I apologize if everyone else but me already knew this.



MY LATEST PROJECT

Bill Bischoff

A little over a year ago, I bought out David Clark's collection of CL racing equipment. David's work circumstances had changed, and he wasn't going to be able to race any time in the near future. But's that's another story...

One of the things that I bought was a Margaret June airframe that was primed and ready for paint. There was no need for me to hurry up and finish it, so it went to the bottom of the "to do" list. Every once in a while I would do some sanding or filling. It finally got to the point that it was ready for paint, or perhaps I had just gotten tired of working on it.

The plane was primed with NAPA DC540 spray can primer, and painted with KlassKote white. The yellow is KlassKote's monokote matching Cub yellow, and the trim is Klasskote black. Finished weight is 22 oz.

The plane has been sold to fellow club member Jeff Gitchel. He already had all the things he needed to build his own Sport Goodyear, except the time. Hopefully, this will get him out in the racing circle sooner. On Memorial Day, Jeff got go put 6-8 tanks through the airplane without incident.



Bill Bischoff's finishing Project. Jeff Gitchel's newly acquired Margaret June DMAA Scale Racer was the lucky candidate. See text for details.

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

None

NORTH CENTRAL DISTRICT

None

NORTHWEST DISTRICT

None

MIDWEST DISTRICT

**92nd Annual National Aeromodeling Championships
AMA Contest site, Muncie In.**

Control Line Racing July 30 - August 3

Monday, July 30

AM: Clown, PM: F2C

Tuesday, July 31

AM: Mouse I, PM: Quickie Rat

Wednesday, Aug 1

AM AMA Slow Rat, PM: Super Slow Rat

Thursday, Aug 2

AM: AMA Goodyear, PM: Sport Goodyear

Evening: Dinner/Meeting

Friday, Aug 3

AM: 500 lap Sportsman Goodyear

SOUTHEAST DISTRICT

None

SOUTH CENTRAL DISTRICT

Sept 1

Saturday: Quickie Rat, Super Slow Rat, Sportsman Goodyear, Fox Goldberg, Mouse I

Oct 13-14

Saturday: Quickie Rat, Super Slow Rat, Sportsman Goodyear

Sunday: Clown, AMA Goodyear, Mouse I, Fox Goldberg

SOUTHWEST DISTRICT

June 23-24

Bill & Bev Wisniewski Memorial Speed and Racing, sanction #

All speed events including electric, 301-310 & 334,335 + perky, NW & NASS Sport Jet & C Speed.

Racing Sunday only: SCAR Goodyear, NCLRA Clown, Super Slow Rat/Fox Race and Quickie Rat

CD & Speed ED: Joe Brownlee h: 714-895-1857

c: 714-393-1940. Racing ED:

Sept 8-9

Wayne Trivin Memorial Speed and Racing, sanction #

All speed events including electric, 301-310 & 334,335 + perky, NW & NASS Sport Jet & C Speed.

Racing Sunday only: SCAR Goodyear, NCLRA Clown, Super Slow Rat/Fox Race and Quickie Rat

CD & Racing ED:

Speed ED:

Oct 20-21

Virgil Wilbur Memorial Speed, Combat, and Racing, sanction #

All speed events including electric, 301-310 & 334,335 + perky, NW & NASS Sport Jet & C Speed.

Top 20 score MACA Combat: Saturday 80 mph combat, double elimination and HP 1/2a 42 foot lines, single elimination. Sunday F2D fast combat, double elimination, and f2d for cuts, single elimination. Racing Sunday only: SCAR Goodyear, NCLRA Clown, Super Slow Rat/Fox Race and Quickie Rat

CD & Speed ED: Howard Doering h.714-638-4937 c.714-394-5304

Racing ED: Combat ED: Don Jensen

flyjensen56@verizon.net Cell 909-576-3430

Dec 1-2

TOYS FOR TOTS Speed, Combat and Racing, sanction #

All speed events including electric, 301-310 & 334,335 + perky. NW & NASS Sport Jet & C Speed, Torquette Speed, Hollow Log Speed.

Top 20 score MACA Combat: Saturday 80 mph combat, double elimination and HP 1/2a 42 foot lines, single elimination. Sunday F2D fast combat, double elimination, and f2d for cuts, single elimination. Racing Sunday only: SCAR Goodyear, NCLRA Clown, Super Slow Rat/Fox Race and Quickie Rat, Musciano Log Racing

Entry fee: 1 new unwrapped toy, approx value \$10-\$20.

CD & Racing ED:

Speed ED: Combat ED: Don Jensen

flyjensen56@verizon.net Cell 909-576-3430

NOTES:

1. **Contact CD or ED to confirm contest dates before traveling long distances.**
2. All Racing events Sunday only
3. Same four Racing events each contest
4. Clown will be flown on 60' lines per NCLRA NATS rules
5. Other Racing events may be flown if two entrants show up ready to race
6. All combat is top 20 score eligible.



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

(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

2018-2020 NCLRA OFFICERS BALLOT

PRESIDENT

Bill Bischoff

write in _____

VICE PRESIDENT

Les Akre

write in _____

SECRETARY/ TREASURER

Melvin Schuette

write in _____

Ballots are due by July 1. Mail or email to Melvin Schuette, Box 240, Auburn KS 66402 or
mbschuette@cox.net



MUNCIE 500



500 LAP SPORTSMAN GOODYEAR RACE

Friday August 3

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!



SUPPLIERS

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Phone: 218-724-0928(hm) E-Mail: tawilk36@cpinternet.com

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.090" 2024-T3, drilled & tapped, with screws
Edges pre-rounded.

wheels and axles **\$6.00**

1 1/4" Williams Bros. wheels, 1/4" axles

1/4" axles w/o wheels **\$2.00**

With hardware- requires 1/4" hole in wheels

1 oz fuel tank per Margaret June plans **\$20.00**

bellcrank button kit **\$2.00**

includes hex buttons, eyelets, screws

fuel shutoff trigger wire **\$1.00**

per Margaret June article

fuel bottle with fill fitting **8 oz. \$10.00**

16 oz. \$11.00

Deluxe fuel bottle w/spring valve **8 oz. \$14.00**

16 oz. \$15.00

racing handle, 3" spacing **\$25.00**

metal frame, wooden grip, stainless cable
(other spacing available by request)

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or bottles / \$3.00 per order without fuel tanks, bottles. I accept paypal or
personal checks.

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NCLRA membership information

Basic membership is free. Simply apply on the web site : <http://www.NCLRA.org/> You will get the Torque Roll newsletter electronically every other month. In addition, you will get voting privileges for whenever a vote by the membership is required.

If you would like to receive a paper newsletter

A paper copy subscription is \$10.00 for US and non-US residents. Send payment to the Secretary/Treasurer listed above.

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Note that a \$.90 (\$1.10 for foreign membership) surcharge is added for the PayPal charges.