

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



**TO**



**Bill Bischoff, Stephen Jeansonne, and Patrick Hempel  
at the DMAA 2016 Presidents' Day Contest Feb 21,  
2016.**

**INSIDE:**  
**District Reports**  
**Updated Contest Calendar**

**Torque Roll Issue #125  
April 2016**

## **PRESIDENT- Melvin Schuette**

To My Fellow NCLRA Members;

I guess it is time for me to jump back up on my soap box for a while. Four years ago the NCLRA was faced with the option of finding people to volunteer to be officers or to disband the organization. The current officers felt the NCLRA was worth saving. I still feel that there is a need for the organization, but feel that it would be better served if lead by someone else. Also, Dave Rolley has stated that he will not be running for the office of Secretary/Treasurer. I hope that it doesn't take the thought of disbanding the NCLRA to get people to volunteer to be an officer.

If you would like to run for any of the NCLRA officer positions please send your name along with the name of the office you would like to volunteer for to me and Les by April 30, 2016.

A ballot will be included in the June issue of the Torque Roll, with the ballots having to be returned by July 1<sup>st</sup>. The results of the vote will be made public at the annual meeting of the NCLRA, and will take effect at that time.

One of the responsibilities that the NCLRA accepted when they became an official AMA recognized Sig was the running of the C/L Racing Events at the AMA C/L Nationals. In fact the main reason that the NCLRA came into being was that a group of people didn't like the AMA telling them how to run C/L Racing at the Nationals. One of the downsides to being the president of the NCLRA is that if an event director cannot be found the president by default becomes the event director. I am not the first president to face this fact. I have been lucky in the fact that Jim Bradley has volunteered in the past to run events on the one day I wanted to compete. However the person that takes over as president in July may want to compete more than just one day during the nationals. I know I hope to in the future. I know we all travel a great distance to get to Muncie, and if we travel that far we want to compete, but someone has to be the Event Director. We have 2016 covered, but it is not too early to volunteer for 2017.

This year is the year for the Control Line World Championships. Which will take place in Perth Australia? This year's championships are being held earlier in the year than normal. The dates for the World Championships are May 9<sup>th</sup> thru the 13<sup>th</sup>. This will be the first year that the 3mm venturi rule will be enforced in F2C. Brenda and I made plans to attend the last three days of the World Championships this year. We should be back in time to have the results ready for the next issue of the newsletter. We wish all of the U.S team members the best of luck in Perth.

If I don't see you in Perth, I hope to see you in Muncie.

Melvin

## **SOUTH WEST: Ron Duly**

### **Dennis Schauer Memorial Race Feb. 7, 2016**

We celebrated the New Year with a pre-Super Bowl contest at Whittier Narrows. The weather was a real Chamber of Commerce post card perfect day. The County had resurfaced two of our circles but had some problems with, as they say, "quality control". As a result there were no lines painted to mark the circles. We were told not to repaint until the contractor fixed the problem areas. Fortunately, Jed brought out a chunk of drywall and walked the circles with it in tow to make a safe site for us to race on. We raced, we talked, we laughed, and we enjoyed a fine day at the field. First up was Mouse Race. The two juniors flew and then the old folks. Tristen Mayer experienced a heart stopping wingover on take-off, and when the engine quit at 18 laps, he did too. Older brother Mason got 32 laps in before a control problem put him out. Next up came the Hull/Kusik team vs. Team Mayer/Johnson. Dave Hull and Jed Kusik put up a complete flight for First. Doug Mayer and Charlie Johnson tied Doug's elder son's lap count when a plug blew. Bummer, two Nelson plugs in one day. In SCAR Goodyear, four teams were able to put up scores. Team Hull/Mayer flew Dave's plane quite well and posted the fast time. They switched planes (Doug's plane this time) and put in another good time. The Kusik/Johnson team were a close Third and the Burke/Duly rounded out the effort. I think all used the Magnum engine but can't be sure. Burke's engine started just fine in the warm-up but decided to be contrary during the race. It didn't help that when Don's "pilot" applied down elevator to slow the plane when it landed, it plowed its nose into the blacktop. We discussed the cause and possible correction. Since it involves pilot technique, we'll not discuss it further. With Super Bowl parties soon to start, we adjourned early. The next SCAR race will be April 10th. Come out and join us.

#### Mouse - Junior

M. Mayer 32 laps

T. Mayer 18 laps

#### Mouse - Open

Hull/Kusik 5:44.87

Mayer/Johnson 32 laps

#### SCAR GOODYEAR

Hull/Mayer 4:47.15

Mayer/Hull 5:57.40

Kusik/Johnson 6:07.63

Burke/Duly 6:19.43

## **SOUTH EAST: Jim Bradley**

I hope everyone has finished their taxes by now and has returned to getting ready for the flying season and NATS. In my case that means finishing a new Quickie Rat and finishing the Electric Clown I started some time ago to.

I am building the Electric Clown to try out some ideas of how we might incorporate electric into racing. I have thought about how to handle pit stops or even not having pit stops. Something like a 2 or 3 up Drag Race for a number of laps.

I'm viewing Electric Racing as more of a started event but if it catches on then we can figure out the pit stops.

There is a couple of really great feature about electric power. First is they don't make much noise so you can fly them without annoying anyone. Second is you don't have to clean them up after flying because there is no fuel residue on them. This feature might make you a more popular person at home too. No more fuel/oil soaked pants and shirts that have to be washed by the laundry lady of the house.

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

Jim Bradley, [bmp4carbon@aol.com](mailto:bmp4carbon@aol.com)

## SOUTH CENTRAL: Bill Bischoff

Happy spring, everyone. Got that new world-beater almost done? David Clark sure does. He sent me a picture of his beautiful new Margaret June sport Goodyear. David is from Wichita, KS. He indicated that he also has a second one almost finished. I hope to meet David on the contest trail this year, and get a chance to see his planes in person.

Locally, the Hempel/Lee and Bischoff/Greb F2C teams have missed a lot of practice opportunities lately due to wind. With the World Cup and World Championships only about a month away, every opportunity to practice will be important. Even though we didn't make the team, the Bischoff/Greb team will be competing in the World Cup to get some valuable experience. Along with Hempel/Lee, the other teams are Fischer/Wilk and Topunov/Elbert. Good luck to all!



New Margaret June built by David Clark of Wichita, KS.



Mike says goodbye to Margaret June.



Mike Greb's Polecat.

## DMAA 2016 PRESIDENTS' DAY CONTEST Feb 21, 2016

Since we got weathered out on Feb 14, the Sportsman Goodyear activities were rescheduled for the following week. Sunday the 21st was actually decent weather other than the hard overcast. Temps were in the sixties, and the wind was only about 5 mph. We had five contestants who competed in speed, a pit stop contest, and a 160 lap final. Gradually increasing misty rain made us cut our day short, as the circle began to get slippery.

Speed was flown in the pylon, for 8 laps. The pitstop contest was timed for 8 laps, with a pitstop in the middle. The teams for the day were Bischoff/ Greb, Hempel/ Lee, and Jeansonne/ Dunlap.

### SPEED

1)Mike Greb	21.99 sec
2)Bill Bischoff	22.14
3)Bill Lee	22.62
4)Patrick Hempel	22.76
5)Stephen Jeansonne	24.26

### PIT STOP COMPETITION

1)Bill Bischoff	35.90 sec
2)Bill Lee	38.89
3)Mike Greb	39.47
4)Patrick Hempel	40.09
5)Stephen Jeansonne	48.33



Patrick Hempel's Mirage.

### 160 LAP RACE

1)Bill Bischoff	8:32.20
2)Mike Greb	9:20.68
3)Patrick Hempel	9:25.05
4)Bill Lee	9:36.90
5)Stephen Jeansonne	13:08.72



Mike Greb About to catch his Polecat.



Dallas events always include fine dining.

## ELECTION NOMINATIONS

My name is Bill Bischoff and I would like to be President of NCLRA. Although CL racing is admittedly past its heyday, I for one am not ready to close the coffin. Racing is still alive, and still FUN. If you didn't think so, you probably would not be reading this now. I want to keep racing going for those who already enjoy it, and try to introduce it to as many new participants as possible. I think NCLRA is the vehicle for both of those objectives. Whether people are racing AMA events, NCLRA events, or local events is of little importance, as long as people are racing and having fun.

## 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](http://nclra.org). and other published sources. Members can log in to [NCLRA.org](http://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.

**April 24** Sportsman clown racing, NCLRA Clown Racing.

**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

**May 27,28, 29 Northwest Control-Line Regionals, Roseburg Regional Airport, Roseburg, Ore.**

Pacific Northwest control-line model aviation clubs would like to invite you to attend the 45th Northwest Control-Line Regionals on Memorial Day Weekend, May 27-28-29, 2016.

The Regionals this year offers 41 separate competition events. Trophies are offered in all events, along with grand championship trophies. The contest will be held at Roseburg Regional Airport in Roseburg, Oregon. Limited RV space is available on site. Motels, restaurants and camping are within a short driving distance. The nearby Windmill Inn will be the Regionals host hotel.

This AMA AA-sanctioned contest features four PAMPA classes of Precision Aerobatics, Old-Time Stunt, Classic/Nostalgia 30 Stunt, sportsman and expert classes of Profile Stunt; AMA Fast, High-Performance 1/2-A, 80-mph and 15 Fast Combat; Profile, Class I, Class II, .15, Sport 40 and Nostalgia (profile and Class I/II) Navy Carrier; Mouse I, Northwest Sport, Northwest Super Sport, and Northwest Flying Clown Racing; Authentic, Sport and Profile Scale; and 1/2-A, 1/2-A Proto, A, B, C, D, FAI, Jet, Sport .21, .21 Proto, Northwest B Proto, Formula 40, F2D Proto and Northwest Sport Jet Speed.

Information about the contest and copies of the contest flyer, advance entry forms and a link to information on local accommodations can be downloaded from the [flyinglines.org](http://flyinglines.org) website. Rules for Northwest competition events also can be found at [flyinglines.org](http://flyinglines.org).

Further information on the Regionals can be obtained from the assistant contest director, John Thompson, 2456 Quince St., Eugene, OR 97404, e-mail [JohnT4051@aol.com](mailto:JohnT4051@aol.com), or phone (541) 689-5553.

## MIDWEST DISTRICT

**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: [rbheywood@woh.rr.com](mailto:rbheywood@woh.rr.com). Visit: [buzzinbuzzards.weebly.com](http://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

**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](mailto:mbschuette@cox.net)

## SOUTHEAST DISTRICT

None

## SOUTH CENTRAL DISTRICT

**2016 Texas Racing Schedule**

**April 9th- Dallas, TX**

Mouse I, DMAA Fox/Goldberg, DMAA Sportsman Goodyear, NCLRA Super Slow Rat, NCLRA Quickie Rat  
CD-Patrick Hempel (972)841-8766

**May 27-28 Houston, TX Scobee Park**

DMAA Sportsman Goodyear, NCLRA Super Slow Rat  
CD- Frank Williams (281)488-1371

**NOTE: This is just an assumption based on previous years**

**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, NCLR

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**

**April 9-10** Bill Nusz Speed & Herb Stockton Racing  
Memorial.

**June 4-5** Bill & Bev Wisniewski Speed & Racing Memorial.

**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

**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

## SUPPLIERS

### **BRODAK MANUFACTURING**

Everything c/! 100 Park Ave, Carmichaels PA,15320  
724-966-2726 email [flyin@brodak.com](mailto:flyin@brodak.com)

### **CS ENGINES AMERICA**

113 North Chase Ave., Bartlett, IL 60103  
G/Z .049/.061 Engines; sales, service & parts. (Bill Hughes)  
e-mail [williamhughes4@comcast.net](mailto:williamhughes4@comcast.net) 630-736-6036

### **DARP**

969 Cedar Street Allouez, MI 49805  
DARP Speed Pans for classes including  
A, B, D, and 21 Sport. (Barry Tippett)  
e-mail: [Barry@Petrockfarm.com](mailto:Barry@Petrockfarm.com) 906-337-4533  
[www.Petrockfarm.com](http://www.Petrockfarm.com)

### **JIM DUNKIN**

Engine reference books 816-229-9671  
[dunkin@discovernet.com](mailto:dunkin@discovernet.com)

### **ELIMINATOR PROPS**

Steve Wilk 3257 Welcome Ave. N. Crystal, MN 55422  
763-531-0604 e-mail [swilk@cpinternet.com](mailto:swilk@cpinternet.com)  
Online store <http://eliminatorprops.com/store/>

### **STEVE EICHENBERGER**

Custom Fiberglass Performance Props: Moulded tops. Steve  
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### **GILLOTT RACING PRODUCTS**

Custom engine reworking, hard chroming  
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Salinas, CA,93906 Phone 831-449-2052

### **GOODYEAR PLANS- DOUG MEYER**

Douglas Mayer 5010 W. 123rd Place  
Hawthorne, CA 90250 310-676-4240 Home  
310-463-0525 cell  
[mayer@kmd-arch.com](mailto:mayer@kmd-arch.com)

### **JUST ENGINES LTD**

Newby Cross Farm,Newby Cross  
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Popular engines plus spares and Pipes.Irvine, Moki, Mvvs  
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Custom replacement engine parts, needle valves.  
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Australia Tel. 61 2 6553 4548

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785-266-7714 - [Sales@LeeMachineShop.com](mailto:Sales@LeeMachineShop.com)  
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### **RITCH'S BREW**

Fuel ready mixed top quality finest ingredients.  
4104 Lark Lane, Houston, TX 77025 713-661-5458

### **MBS MODEL SUPPLY**

Solid Wire Sets and other C/L needs  
Contact Melvin Schuette, PO Box 282 Auburn KS 66402  
1-785-256-2583. [mbsmodelsupply.com](http://mbsmodelsupply.com)

### **MEJZLIK MODELBAU**

Borova 14, 64400 BRNO,Czech Republic Distributors of PROFI  
line of Russian FAI speed gear. PROFI Engines, Pipes, Pans,  
Props, Tanks, Handles and FAI Speed Models in kit form or  
ready built. (Tomas Mejzlik) Phone: 420-5-432-18888 Fax: 420-  
5-432-18880 e-mail [mejzlik@brno.comp.cz](mailto: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](mailto:nelcomp@fyi.net)

### **MARC WARWASHANA**

Rubber fastfills, vintage Dons' racing wheels.  
11577 North Shore Dr.  
Whitmore Lake, MI 48189-9124  
Phone: 734-449-7355 E-Mail: [whellieman@gmail.com](mailto: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](mailto:tawilk36@cpinternet.com)

### **ZALP ENGINES**

Zalp F2C&F2D engines- Bob Whitney  
456 Garvey rd sw, Palm Bay FL 32908  
[f2cracer@aol.com](mailto: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](mailto: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](mailto:billbisch@hotmail.com)

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#### **Phil Valente**

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### **Midwest Representative**

#### **Robert Heywood**

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937-286-8202  
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### **South Central Representative**

#### **Bill Bischoff**

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972-840-2135  
972-245-8379  
Email: [billbischoff@hotmail.com](mailto:billbischoff@hotmail.com)

### **Southeast Representative**

#### **Jim Bradley**

1337 Pine Sap Court  
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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.

#### **NCLRA New and Renewal Memberships**

Basic membership with electronic newsletter is \$20/year for both U.S. and non-U.S. residents  
Membership with a paper newsletter is \$30/year for U.S. residents and \$35/year for non-U.S.  
Life members wanting a paper newsletter is \$10/year.

#### **Apply for membership by mailing annual dues to:**

NCLRA  
P.O. Box 468  
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