



NATIONAL MINIATURE PYLON
RACING ASSOCIATION

The Pylon Racer's Official Voice

NMPRA HIGH PERFORMANCE

NATIONAL MINIATURE PYLON RACING ASSOCIATION • SINCE 1965 • AMA AFFILIATED • AUGUST 2015

President's Corner

by Dan Kane

2015 US Nationals

The NATS are now in books. Congrats to all the competitors; this year marked the highest number of entries since the early to mid-90's! The weather was a little troublesome, but all in all we were able to accomplish our goals. This year we welcomed the Club40 group to the NATS, and they had 16 entries, flew 5 rounds, and 3 finals heats.

It was great to see some faces from the past. Bob Petrinec was the CD for Club40. Bob and I used to race together when he lived in Illinois. Back when I started racing in the early 80's, Bob and I would travel to the contests that my father could not attend. We piled all of our stuff in the back of either his Chevy Citation or his station wagon and we would travel to places like Harrisburg, PA or Rough River, KY or several sites here in the Midwest from Michigan to Ohio. Bob helped me along my journey into pylon racing when I was young. Therefore, when he asked if I would start the NATS for Club40, I jumped at the chance to try and pay him back for all the help he provided when I was a snot nosed kid. Another guy that is no stranger to pylon but hasn't been at the NATS for several years is Greg Doe. I loved seeing him hanging out and flying at the NATS again. And for those who are not aware, Greg was and still is a master craftsman. He set the standards for fit and finish back in the formula one days. His name is immortalized on a trophy displayed in

the museum for this very reason. And last but not least, my father-in-law Pete Waters returned to the NATS. Pete has represented Wales in a World Championship for Pattern, back when transmitters had buttons and toggle switches. He was #21 in the NMPRA and flew Goodyear back in the 60's, and most likely serviced your brown box radios, as he was Kraft Midwest. Pete was also the lead for locating and acquiring the Muncie property. Back then Pete was part of the AMA acquisition committee.

It was great to see these old guys getting back into pylon. But it would be nice to see some new younger faces. This should be your goal for next year. We need at least one Jr. competing at the NATS.

A huge thank you goes out to everyone who made the NATS happen. The following guys really need to be applauded for their efforts. **Mike Condon**, for running the show and making sure we can compete for a National Championship all week. Mike doesn't compete anymore and truly does this for us; we can't do it without him and it is a thankless job. Next is **Pete Bergstrom**. Pete has spent his free time starting the NATS the last couple of years, and without his expertise we would all be in trouble. He is a true leader, and it showed on the flight line for each and every heat. There are more: **Randy Smith**, who handles the Matrix duties and scoring for each event. **Tom Melsheimer** and **Tom Scott** for keeping the Judgeman system fully charged and installed for each event. **Mike Helsel** and **Terry Frazer** for organizing the processing;

they enlisted the help of **Duane Hulén, Dennis O'Brien, Steve Baker, Mike Eden, and Mike Spencer**. Lastly is **Dennis Cranfill** for organizing the banquet on Sunday. Unfortunately, I had to turn away people who did not pre-register as I did not know if we would have enough food. The servers did a great job, and in the end we could have fit everyone in. Sorry to those that I turned away. I will make it up to you somehow.

Randy Ritch supplied the fuel and supports us all across the nation. If you get a chance, be sure to support him. Now for the winners:

- Tim Sparks won the first ever Club40 National Championship and set fast time!
- Darwin Larson is a repeat winner in 424 by winning a very exciting fly-off. Well done - who is going to step up in 2016 and knock Darwin off of the top spot?
- EF-1 was won by Jerry Small, and to see it happen was very special. Jerry, congrats my friend and well done!
- Marcus Blanchard won 426 and took home fast time. The best part about this was that his son Bryan was right there with him calling every heat. Bryan grew up around pylon racing much like myself, and it was very cool to see them share this win with each other.
- Jim Allen finished on top, and he and Mark Parker (his caller) also set fast time. Jim is the man to beat in QM, and I look forward to seeing him at the Champ Race.





NMPRA HIGH PERFORMANCE

AMA NATS: EVENT 422 QUALIFYING RESULTS

Pylon NATS 422A		
After 8 Rounds 422A Qualifying		
Name	Low Time	Points
1 BILL JOHANSON	1:02.99	29
2 MATT RUSSELL	1:05.09	28
3 MARCUS BLANCHARD	**1:02.69	27
4 MIKE HELSEL	1:03.03	27
5 STEVE BAKER	1:07.12	27
6 LONNIE FINCH	1:05.52	26
7 MATTHEW FEHLING	1:03.98	25
8 TREY WITTE	1:08.00	24
9 MOE VEREECKE	1:05.47	23
10 JIM KATZ	1:06.05	22
11 BRYAN BATCH	1:07.33	22
12 RANDY RITCH	1:07.33	22
13 TERRY FRAZER	1:05.64	21
14 ROBERT VESS	1:06.72	21
15 JERRY SMALL	1:07.77	21
16 LLOYD BURNHAM	1:08.35	21
17 JOE HODGIN	1:05.33	19
18 RANDY SMITH	1:05.83	19
19 MIKE EDEN	1:05.78	18
20 BRUCE COFFEY	1:11.18	16
21 DUANE GALL	1:04.99	15
22 TRAVIS FLYNN	1:06.69	15
23 DENNIS CRANFILL	1:08.02	15
24 RONALD GAGE	1:10.50	11
25 KURT BOZARTH	1:10.24	10
26 JOANNE COFFEY	1:10.77	10
27 BEN HOBBS	1:16.21	9
28 DENNIS OBRIEN	1:08.58	7
29 LARRY LEWIS	0:00.00	0
30 SANTIAGO PANZARDI	0:00.00	0
31 JIM BRANDON	0:00.00	0

Pylon NATS 422B		
After 8 Rounds 422B Qualifying		
Name	Low Time	Points
1 ROY ANDRASSY	1:03.84	29
2 DUB JETT	1:04.95	29
3 JIM ALLEN	**1:02.26	27
4 JOHN MCDERMOTT	1:05.99	26
5 TOM SCOTT	1:03.70	25
6 DAN KANE	1:03.41	24
7 HANK KAUFFMAN	1:06.04	24
8 RICHARD BEERS	1:06.29	24
9 CHUCK ANDRAKA	1:04.12	23
10 DEAN STONE	1:05.74	23
11 TOM HEGLAND	1:07.41	22
12 DUANE HULEN	1:06.76	21
13 JOE RAFALOWSKI	1:06.98	20
14 ANTHONY HEMKEN	1:05.38	19
15 TIM YOUSEY	1:06.31	19
16 CRAIG KORSEN	1:03.55	18
17 MIKE LANGLOIS	1:04.95	18
18 ROBERT BROGDON	1:06.90	18
19 RICHARD TUCKER	1:07.70	18
20 KURT BEACHLER	1:11.50	17
21 BRIAN NEFF	1:05.46	16
22 JULIAN DOWNHAM	1:07.39	15
23 MIKE BERGAN	1:10.53	15
24 BARRY READE	1:15.94	15
25 MARK PARKER	1:06.22	11
26 ED JUMP	1:08.69	11
27 GORDON MCWILLIAMS	1:10.50	11
28 MIKE SPENCER	1:09.63	10
29 PAT GALARNEAULT	C 1:11.29	10
30 MIKE MASI	1:09.63	9
31 BRYAN BLANCHARD	C 1:18.33	3



NMPRA HIGH PERFORMANCE

AMA NATS: EVENT 426 QUALIFYING RESULTS

Pylon NATS 426A		
After 6 Rounds 426A Qualifying		
Name	Low Time	Points
1 ROY ANDRASSY	1:04.65	22
2 DUB JETT	1:05.36	22
3 BRIAN NEFF	1:04.36	21
4 LLOYD BURNHAM	1:06.37	21
5 MIKE EDEN	1:06.76	20
6 KURT BOZARTH	1:06.61	19
7 MATTHEW FEHLING	1:04.30	18
8 TRAVIS FLYNN	1:04.86	18
9 JIM KATZ	1:05.70	18
10 LONNIE FINCH	1:04.22	17
11 JOE HODGIN	1:08.00	17
12 RONALD GAGE	1:11.14	17
13 DAN KANE	**1:03.76	16
14 DENNIS CRANFILL	1:06.51	16
15 BRYAN BLANCHARD	1:03.84	15
16 RICHARD BEERS	1:05.45	15
17 STEVE BAKER	1:10.89	15
18 TIM LAMPE	1:11.39	15
19 ROBERT BROGDON	1:08.22	14
20 MATT RUSSELL	1:08.22	14
21 JOE RAFALOWSKI	C 1:12.50	12
22 TOM HEGLAND	1:13.45	12
23 BILL JOHANSON	1:10.50	11
24 RICHARD BERNER	1:19.83	11
25 BRYAN BATCH	1:05.26	10
26 DUANE GALL	1:10.65	10
27 MARK PARKER	1:07.07	9
28 BRUCE COFFEY	1:10.51	9
29 TREY WITTE	1:16.11	9
30 DARWIN LARSON	1:09.36	8
31 BARRY READE	1:19.39	6
32 RICHARD TUCKER	1:10.65	5
33 KEN VAN TUYL	1:14.01	2
34 JIM BRANDON	0:00.00	0
35 ALEX RICHMOND	0:00.00	0
36 DAVID YOST	0:00.00	0

Pylon NATS 426B		
After 6 Rounds 426B Qualifying		
Name	Low Time	Points
1 DENNIS OBRIEN	1:05.70	23
2 MIKE HELSEL	1:03.42	22
3 DUANE HULEN	1:06.72	22
4 CHUCK ANDRAKA	1:05.32	20
5 ED JUMP	1:06.14	20
6 MARCUS BLANCHARD	**1:02.86	19
7 CRAIG KORSEN	1:06.05	19
8 JIM ALLEN	1:05.10	17
9 ANTHONY HEMKEN	1:07.21	17
10 TOM SCOTT	1:04.78	16
11 RANDY RITCH	1:07.86	16
12 MOE VEREECKE	1:07.98	16
13 MIKE MASI	1:08.26	16
14 MIKE LANGLOIS	1:05.78	15
15 TERRY FRAZER	1:06.91	15
16 JOE DELATEUR	1:07.17	15
17 KURT BEACHLER	1:09.66	15
18 JIM PADEL	1:11.49	15
19 MIKE TALLMAN	1:08.72	14
20 HANK KAUFFMAN	1:10.34	14
21 MIKE BERGAN	1:10.54	13
22 JIM NIKODEM	1:07.25	12
23 MIKE SPENCER	1:07.82	12
24 GORDON MCWILLIAMS	1:08.91	12
25 PAT GALARNEAULT	1:09.50	12
26 JOANNE COFFEY	1:08.97	11
27 MITCH WEST	1:10.83	8
28 TOM MELSHEIMER	1:22.76	8
29 TIM YOUSEY	1:08.73	7
30 DEAN STONE	1:09.86	7
31 ROBERT VESS	1:10.50	7
32 RANDY ETKEN	1:11.86	6
33 BERNIE VANDERLEEST	C 1:16.98	6
34 JERRY SMALL	1:11.41	5
35 PATRICK REDIG	1:45.22	2
36 BRIAN RICHMOND	0:00.00	0



NMPRA HIGH PERFORMANCE

AMA NATS: EVENTS 422 & 426 FINALS RESULTS

Pylon NATS 422 Finals			
After 5 Rounds			
Name	Low Time		Points
1 JIM ALLEN	**1:01.07		19
2 TREY WITTE	1:04.85		17
3 RICHARD BEERS	1:05.29	F2	16
4 CHUCK ANDRAKA	1:03.18	F1	16
5 DAN KANE	1:02.24	F2	15
6 ANTHONY HEMKEN	1:05.84	F1	15
7 RANDY RITCH	1:05.92		14
8 MIKE LANGLOIS	1:04.91	F2	13
9 JOHN MCDERMOTT	1:07.21	F1	13
10 DUB JETT	1:01.47	F0	13
11 TERRY FRAZER	1:04.46		12
12 BILL JOHANSON	1:04.51		12
13 MATT RUSSELL	1:06.18		12
14 MATTHEW FEHLING	1:06.34		12
15 DEAN STONE	1:02.33		11
16 MIKE HELSEL	1:03.58		11
17 LONNIE FINCH	1:04.63		11
18 STEVE BAKER	1:05.50		11
19 HANK KAUFFMAN	1:06.26		11
20 JOE HODGIN	1:06.90		11
21 BRYAN BATCH	1:04.74		9
22 MOE VEREECKE	1:05.01		6
23 MARCUS BLANCHARD	1:10.05		2
24 JIM KATZ C	1:13.33		2
25 TOM HEGLAND	1:11.90		1
26 DUANE HULEN	0:00.00		0
27 TOM SCOTT	0:00.00		0
28 ROY ANDRASSY	0:00.00		0

Pylon NATS 426 Finals			
After 5 Rounds			
Name	Low Time		Points
1 MARCUS BLANCHARD	1:08.64		19
2 DENNIS OBRIEN	1:07.81	F4	17
3 RANDY RITCH	1:08.26	F3	17
4 DUANE HULEN	1:07.87	F4	16
5 LONNIE FINCH	1:06.97	F3	16
6 TOM SCOTT	1:05.76	F0	16
7 MIKE HELSEL	**1:05.02	F4	15
8 CHUCK ANDRAKA	1:10.16	F3	15
9 DAN KANE	1:09.36		14
10 JOE HODGIN	1:08.11	F4	13
11 BRIAN NEFF	1:06.79	F3	13
12 MATTHEW FEHLING	1:06.05	F2	13
13 KURT BOZARTH	1:11.54	F0	13
14 MIKE EDEN	1:13.09		12
15 TERRY FRAZER	1:06.54		11
16 JIM KATZ	1:08.93		11
17 RONALD GAGE	1:10.42		10
18 ANTHONY HEMKEN	1:06.87		9
19 MIKE LANGLOIS	1:11.37		9
20 TRAVIS FLYNN	1:06.32		8
21 MOE VEREECKE	1:09.66		8
22 CRAIG KORSEN	1:07.83		7
23 ED JUMP	1:09.14		7
24 ROY ANDRASSY	1:10.50		3
25 LLOYD BURNHAM	C 1:14.24		3
26 BRYAN BLANCHARD	0:00.00		0
27 DUB JETT	0:00.00		0
28 JIM ALLEN	0:00.00		0

This year the overall champion was very close. Chuck Andraaka and Randy Ritch were only points apart. In the end Randy Ritch was crowned the 2015 Overall Pylon Category Champion, and his name will be placed on a plaque in the AMA museum. Congrats to Randy and Dennis Cranfill, Randy's caller, for being so consistent and taking home the championship.



NMPRA HIGH PERFORMANCE

AMA NATS: EVENT 424 RESULTS

Pylon NATS 424			
After 6 Rounds			
Name	Low Time		Points
1 DARWIN LARSON	1:22.73	F3	24
2 JIM NIKODEM	1:21.76	F2	24
3 MICK WARNING	**1:21.42	F1	24
4 RICK VOGELSANG	1:23.55		20
5 JIM PADELT	1:23.20		19
6 MARK_WARNING	1:27.85		17
7 JOE DELATEUR	1:27.04		16
8 DOUG SCHERRER	1:27.05		16
9 KEN VAN TUYL	1:25.07		15
10 GEORGE REYNOLDS	1:30.48		15
11 JOE RUH	1:25.23		14
12 DAVID YOST	1:28.65		14
13 STEVEN FABIANKE	1:37.26		13
14 PT WATERS	1:41.77		13
15 GREG DOE	1:34.20		12
16 MARK SCARBOROUGH	1:35.60		11
17 RICHARD BERNER	1:33.66		10
18 MIKE TALLEY	1:40.06		10
19 TOM MELSHEIMER	1:33.45		9
20 WILLIAM HILLER	1:36.20		6
21 KEN POINTS	1:44.56		6
22 KEN HOPSON	1:49.10		6
23 JAMES HOLBROOK	1:45.31		4
24 MITCH WEST	0:00.00		0

Congrats to Pat Redig for finishing 1st in the EF-1 standard class. Greg Doe finished second and had fast time in Standard. Richard Berner rounded out the top three in Standard EF-1. Standard class is determined by the pilots who have the most points but have not turned a time faster than 1:23. Greg Doe's fast time was 1:24:88.

AMA NATS: EVENT EF-1 RESULTS

Pylon NATS Electric Formula One			
After 6 Rounds			
Name	Low Time		Points
1 JERRY SMALL	1:10.36		24
2 DUB JETT	1:10.63		23
3 MIKE LANGLOIS	1:09.41	F3	22
4 MIKE HELSEL	1:11.11	F2	22
5 TRAVIS FLYNN	1:09.43	F1	22
6 JIM KATZ	**1:09.03		21
7 DENNIS CRANFILL	1:10.21		20
8 JIM ALLEN	1:13.03		20
9 CRAIG KORSEN	1:16.84		20
10 DUANE GALL	1:18.40		19
11 TREY WITTE	1:18.47		19
12 TIM LAMPE	1:13.27		17
13 DARWIN LARSON	1:16.55		17
14 DAN KANE	1:10.50		16
15 ROY ANDRASSY	1:12.52		16
16 STEVE BAKER	1:12.69		16
17 HANK KAUFFMAN	1:16.58		16
18 RICHARD TUCKER	1:20.18		16
19 JOE DELATEUR	1:20.69		16
20 RANDY SMITH	1:13.19		15
21 JIM NIKODEM	1:10.96		14
22 PATRICK REDIG	1:26.17		14
23 DOUG SCHERRER	1:19.54		13
24 GREG DOE	1:24.88		13
25 RICHARD BERNER	1:29.93		13
26 DENNIS OBRIEN	1:17.48		12
27 TOM HEGLAND	1:21.94		12
28 RICHARD HIXON	1:32.53		12
29 MIKE TALLEY	1:19.62		11
30 DON BELFORT	1:20.42		11
31 BRYAN BATCH	1:20.77		11
32 KEVIN YOST	1:21.52		11
33 GORDON MCWILLIAMS	1:21.87		11
34 GARY FISHER	1:23.30		11
35 RICHARD BEERS	1:14.87		10
36 TIM SPARKS	1:21.35		9
37 MIKE MASI C	1:25.51		9
38 WILLIAM HILLER	1:25.14		8
39 TOM MELSHEIMER	1:26.26		4
40 ALEX RICHMOND	0:00.00		0
41 BRIAN RICHMOND	0:00.00		0
42 DEAN STONE	0:00.00		0
43 PT WATERS	0:00.00		0
44 MIKE TALLMAN	0:00.00		0



NMPRA HIGH PERFORMANCE

AMA Contest Board Discussion

The next article will contain some very important information regarding 424. The board is currently addressing the issue where the TT .40 pro is no longer available. As we consider the next motor, one goal is not to select a motor that makes the current inventory of TT .40's obsolete. We are very close, and over the next couple of months will communicate our finding with the racing community. Right now we are looking very heavily at a .46 motor for 424. This motor is at the right price and parts are available. Please be patient with us as we finalize our findings. Lastly, if you have any rules questions or concerns, I suggest you take them up with your CB member.

2015 USA F3D

Congrats to Randy Bridge and Ray Brown for winning the World Championship and setting a new World Record. All of the Americans were fast; both Gino DelPonte and Gary Freeman Jr. turned times in the 55-second range. Gino set a new world record in the first heat of the contest, and in the end Randy's time was only a couple of tenths faster. Gary and Gino ran into some trouble which prevented them from sitting on the podium with Randy. However, Gino did win the finals and turned a 54.8 time.

2015 NMPRA Champ Race

As it stands right now the OJA group has over 100 entries. Mike Langlois, Jim Katz, and crew are pulling out all stops to make this a special event. It has been several years since we have had 100 entries at an event. Be sure to pay your entry fee by August 14th. I look forward to seeing the new site and participating in this special event. For additional information use: <http://oldjulianairport.org/>.

2016 Elections

Nominations for positions are now due to Scott Hartman. If you wish to run for any of the VP or President positions, please contact Scott with the details.

Final Thoughts

During the NATS this year the AMA honored one of our own by inducting Dub Jett into the AMA Hall of Fame. I have known Dubby for several years now, and this was the first time I have ever seen him speechless. This was very special and very well deserved. Congrats to Dub for his modeling accomplishments and congrats for being placed into the AMA Hall of Fame. Be sure to read the full story in this newsletter.

We need to honor those who have come before us. If you want to nominate someone for either the NMPRA or AMA Hall of Fame, please contact me. I will do my best to help you.

Until we meet again, may your turns be tight and fast,

Dan Kane

New Members

Below is the list of new members for 2015.

February 2015

Randy Hale
Scott Farnsworth
Erick Haffman
Vryan Diffendaffer
Oscar Coronado
Dale Olstinske
Wylie Walters
Kandace Rawling

April 2015

Binyamin Elkouby
Boyd Hunt
Emil Ghapgharan
Jonathan Garber
Marcelo Carvallio
Drew Jerina

June 2015

Mathew Farnsworth
Charles Gray
Cristian Manning

August 2015

Jason Vernon
Anthony McDonald
Kurt Borarth



AMA HALL OF FAME: DUB JETT

Hall Of Fame Nomination

Dub built and flew his first model airplane in 1954 at the age of 8. He was immersed in control line speed flying and engine design at L&H Hobby Shop in Dallas, TX, home of many of the best control line speed competitors. Dub set his first Academy of Model Aeronautics (AMA) national speed record and recorded his first AMA Nationals win in 1959 at the age of 13.

Dub earned an undergraduate degree in aeronautical engineering and a graduate degree in mechanical engineering. He entered the corporate workforce as an aero engineer with LTV and moved to the oil industry where he was granted 11 US Patents. He exited the corporate community in 1992 as Vice President of Product Development with Baker-Hughes. In 1992 he formed his own company, Jett Engineering, manufacturing precision machined parts, including high performance model airplane engines.

Dub has been an avid competitor during his model airplane experience and has always considered the AMA Nationals the most important competition of the year. His first AMA Nationals participation was in 1956 with an entry in the Outdoor Hand Launched Glider class. 2015 will mark the 52nd Nationals he has attended as a competitor! In researching magazines I could locate, I found 53 listings where Dub was crowned Nationals Winner and/or Nationals High Point Champion (three times) for his age class. To underscore this excellence, at two Nationals he won five individual events of the nine possible and the points championship. Additionally, these wins have come in control line, free flight, and radio control categories. His record as "National Champion" may be unsurpassed in AMA history. Dub is also an international competitor, having represented the AMA (and USA) on four occasions. In these competitions he has earned bronze, silver, and gold (World Champion) individual awards in F3D R/C Pylon Racing. Additionally, he has earned three gold (World Champion) team awards. Dub has been active in National Miniature Pylon Racing Association (NMPRA) racing activities. He has earned the Annual National Points Championship in F1, Q500 and QM40 categories. He is a major supporter of the NMPRA Scholarship activities.

National records are a keen indicator of performance excellence. Dub has held many AMA national records beginning with his first in 1959. Although the AMA certified each national record, these records are not available for research. However, if one reviews the AMA publications, you will find Dub listed as a national record holder many times. Often he was setting a new national record by eclipsing his own existing record. The magnitude of excellence of some of these accomplishments is astounding. For example, Dub set the AMA A speed class national record of 180 MPH in 1977. That record stood unbroken until 1990. That is an amazing 13 years! In 1991 Dub achieved the fastest time at the F3D World Championship of 66.6 seconds.



Dub, Bob, and his award. (Santiago Panzardi Photo)



Dub, his wife Donna, and AMA president Bob Brown. (Santiago Panzardi Photo)

That was a new AMA national record and would have been a world record except that the FAI did not recognize world records for the F3D class at that time. Dub's record as a national record holder speaks loudly of his excellence as a competitor.

Dub has been instrumental in the design, development, and/or manufacturing of model engines for 55 years and counting. He designed and built his first original model airplane engine in 1960. In 1973 he started manufacturing his first engines for sale partnered with John Shannon at DJS Enterprises. These were speed engines that achieved milestone performances: the first 049 to achieve 130 MPH, the first 15 to achieve 180 MPH, and the first 29 to achieve 200 MPH official flights. In 1992 he designed and started manufacturing the series of Jett engines at Jett Engineering. Tim Dannels' American Model Engine Encyclopedia book lists 179 models and that does not include all types produced. Although many of the models produced are competition racing engines, the majority are intended for sport flying. Dub provides a high quality American manufactured alternative to mass produced foreign engines.



AMA HALL OF FAME: DUB JETT

Dub has individually and with others developed many innovations in pylon racing. The collapsible bladder tank with remote needle valve was a major development for consistency and safety purposes. Dub developed the fundamental engine design technology for many racing engines. This includes the most critical components of piston, cylinder porting, combustion chamber, and tuned pipe. All of this technology has been freely shared and has been adopted by his competitors. He produced all the team engines and tuned pipes for the AMA F3D Teams in 1987 and 1989.

Dub has been at the forefront of improving the rules to promote participation and safety in competition classes. He proposed rules to increase line length and diameter to reduce dangerous speeds of control line speed classes. He pioneered the use of 15% nitro fuel as far back as the F1 days in pylon racing. When the Q500 (428) pylon racing class was on a self-destructive path, he developed a simpler engine solution that was adopted and kept Q500 (now 426) from going extinct. Sometimes his suggestions were very much ahead of their time, but such is the plight of a long range strategic thinker.

Dub has been an AMA member 1955 to present. This year will mark his 60th year as a member and supporter of the AMA and participation in AMA clubs. He was a member and officer of the L&H Hobby Hounds of Seagoville, TX. He

served as an officer in the Dallas Rounders control line club. He has served as the speed events contest director at the AMA Nationals. His participation as a donor of prizes and trophy sponsor at major competitions has been very important in the promotion and sustaining of model aviation activities of the AMA.

Dub is active in model aviation educational activities. He provides engines and technical assistance to many universities participating in the Heavy Lift Competition. This competition attracts both domestic and international teams. This expands the model aviation community by promoting technical design excellence, innovation, and good will. All these goals are consistent with those of the AMA.

The above description of Dub Jett's accomplishments defines his contributions to model aviation in the areas of competition, design, experimentation, leadership, and manufacturing. Of particular note are his competition and manufacturing contributions. As a competitor, does anyone have more accomplishments over the past 59 years and still counting? As a domestic model engine manufacturer, he is in a very small fraternity. During all this Dub has been a keen promoter and supporter of the AMA. I feel these accomplishments more than qualify Dub Jett to become an AMA Hall of Fame member!



AMA HALL OF FAME: DUB JETT



1977 DJS 049 (130+MPH)



1978 DJS15 (180+MPH)



1973 DJS 29 (200+MPH)

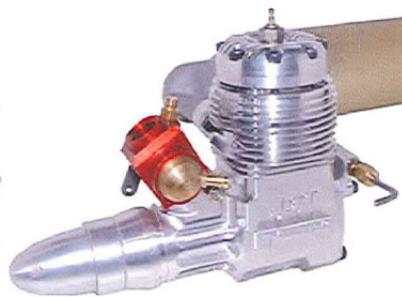


1991 Jett/DJS 40P (World Champion)

DJS Enterprises Engines, AMA National Record Holders, AMA Nationals Winners



Sport Jett 35 AAC C/L



60L Jett BSE 35 R/C



Jett-FIRE 60LX R/C



Sport Jett 90LX R/C

Jett Engineering Sport Engines



RO-Jett 61 Stunt



RO-Jett BSE 40 Lite



Jett 40 Q500 (426)



Jett 40 QM40 (422)

Jett Engineering Competition Engines



AMA HALL OF FAME: DUB JETT



1964 Nationals Winner
National Record Holder



1965 Nationals Winner
National Record Holder



1964, 1965 & 1966
Senior High Point Champion



1973 Nationals Winners
National Record Holders



Relaxing on the Line



Clock Started "Set to Kill"



Final Winning and Record Breaking Flight



Hoisting the Sopwith Cup as World Champions!

1991 F3D R/C Pylon Racing World Championship



NMPRA SPORT PYLON

Sport Pylon Racing – 2015 Club 40 NATS

by Don Stegall

In the December HIGH PERFORMANCE newsletter I talked about Club 40 racing in the Sport Racing Article. Club 40 was raced at the recent 2015 Pylon NATS in Muncie, Indiana on Friday July 10. The website for information is at

Club40NATS.com and information and links will be added to that page and the Club 40 section on the RCPRO.orgClub40Racing.com site.

RCPRO Club 40 uses two airframe designs. I made introduction videos on YouTube for the Sky Raider Mach II ARF (<http://youtu.be/SzmUYNxUYbg>), which we usually write as SRM2, and the LA Racer 40 ARF (<http://youtu.be/CFmoHC93nAE>) that we sometimes write as LAR or LAR40. Both ARF kits are by The World Models and are distributed in the US by Airborne Models (<http://www.airborne-models.com/>). A third option is the laser cut Sanaloma Laser Club 40 Raider short kit. It is a clone of the Sky Raider Mach II and allows people to build if they prefer that option. The wing airfoil of all three is the same. And the wing mounting is the same, so wings can be switched. The stabilizer is the same also. The December 2015 HIGH PERFORMANCE has more information about Club 40.

In the fall of 2014 Dan Kane Jr. approached me about possibly running Club 40 at the 2015 NATS. At first I told him that it was probably too far for the active Club 40 groups to travel. After thinking about it and talking to some of the RCPRO Board and Committee members, I told Dan that I thought it could work.

Dan worked with Wayne Yeager to get Site 3 checked out to see if it could host the Club 40 class using the AMA 540-B Document course layout. By December or early January we had a "Go".

Dan chose Bob Petrinc to be the CD for the inaugural 2015 Club 40 NATS at the AMA's Muncie site. Bob started rounding up people, and Ken Erickson did a lot of legwork, including traveling to Muncie to check out the site.

Ken had a set of Ultra Portable Pylons, and I have a set of Portable Pylons. I was supposed to bring mine. Good thing Ken had his because I started a new job on June 1, and my employer wasn't real happy that I was going to be taking the time off. I decided I was going to try to make it anyway. I only got one plane ready and crashed it on a test flight with a new wing on Wednesday before the race. So I stayed and worked instead. Apparently I missed a really good race. If Club 40 is raced at the NATS in 2016, I will be prepared well in advance this time.

Here is Robert (OldBob) Petrinc's summary of the event.

The inaugural AMA NAT's Club 40 event was a resounding success. There were 16 pilots to duke it out for the honor of winning the first NATS for this event. The weather was not great with on and off light rain, but we were able to finish the event. Tim Sparks from Indiana was the winning pilot as well as having the fast time of 1:24.89.

For those not familiar with Club 40 racing, it is a two-pole event with pylons 400 ft. apart and where the pilots stand 220ft. off the course while flying around the pylons. This is more like sport flying and a good entry-level for pylon racing. There are 5 Club 40 pilots who are graduating to 424, and 3 have flown 424 at this NATS for the first time. They loved it and will be back for 424.

This was also the inaugural showing of a four-plane stooze brought to Muncie by the Texas group, and it was used with great success. The stooze will hold 4 planes running at full rpm while all pilots and callers are at the pilot flight line. There are no callers needed to hold planes and run back to their pilot. Once set up, the stooze is very simple to operate, just flip the switch and off they go with a ½ second interval between lanes 1 & 3 and 2 & 4. I have CD'd many pylon races over the years but this was my first one at the NATS, and it was the best thanks to all the great help. I look forward to next year.

Bob Petrinc CD

Ken Erickson is the RCPRO Club 40 Committee Chairman. He steers the committee very well and deserves a big hand for keeping Club 40 coordinated around the country.

Ken posted this on RCU, and it lists many of the people who help make the event a success.

A big thank you to the helpers and contributors

I had hoped to make this post on Sunday, but somehow the plastic box, which contained the list of names of all the helpers and from which Bob had drawn the folded papers for the raffle, had been emptied before being set near my car to be packed. There were a couple of the helpers whose names I did not know. By asking the individuals who had brought those helpers to us, the names have been retrieved.

Thanks to:

Dan Kane, who invited Club 40 to be an event at the NATS and for acting as the "Starter," the man in charge, the direct representative of the CD. It was he who initiated the chain of events, which made the use of the Judgeman System possible.



NMPRA SPORT PYLON

Tom Melsheimer, who worked all Thursday afternoon and into the evening to affirm that the Judgeman System could be used for Club 40 racing. He was registered to fly in the event, but instead spent Friday as the "Steward" of the System, doing the "housekeeping" tasks which made it possible for the System to work for us.

Robert, oldbob, Petrinec, for being the CD and the Leader and Sparkplug of the Texas Circuit, bringing so many of them to the race.

Lisa Koehler and Tim Porter for being the "Recorders" of the event, making it possible for me to have posted the results as quickly as was done.

Randy Ritch for the fuel burned on the 10th of July.

Don Stegall, who for arranged the Tower Hobbies gift certificates, which were raffled to the helpers mentioned above.

Matt Fornefeld for the Gas Cards which were also raffled to the helpers.

In alphabetical order, the Cut Judges, Lap Counter, Fuel Steward, Runners, List Maker and general helpers:

- George Farris**
- Ned Gochenour**
- Jake Kane**
- Fred Rasener**
- Barry Reade**
- Steve Shoop**
- Brayton Thompson**
- Gary Waters**
- Chad Williams**
- Norm Williams**

These are the results of the race:

Club 40 NATS 2015				
Ordered By Points				
	Name	#	Low Time	Points
1	T Sparks	5	**1:24.89	19
2	S Fabianke	8	01:27.2	18
3	J Peace	9	01:26.7	16
4	G Fisher	4	01:26.9	16
5	G Doe	11	01:28.3	15
6	M Talley	13	C 1:28.26	14
7	T Witte	12	01:26.0	13
8	M Fornefeld	6	C 1:28.18	13
9	K Hopson	3	01:33.2	12
10	T Koehler	14	01:32.6	11
11	K Erickson	1	01:41.8	10
12	B Osman	10	01:35.8	9
13	C Seyer	7	01:36.7	9
14	R Petrinec	2	01:31.1	7
15	B Merrell	15	0:00.00	0
16	T Melsheimer	16	0:00.00	0

2015 Nats, A - B - C Mains Results

A Main						
Ln	Pilot	Fin	M:SS:HH	Cts	DN	Pts
1	Mike Talley			2		0
2	Tim Sparks	1	1:27.54	0		4
3	Steve Fabianke	3	1:38.26	1		2
4	Jordan Peace	2	1:28.25	0		3

B Main						
Ln	Pilot	Fin	M:SS:HH	Cts	DN	Pts
1	Gary Fisher	2	1:29.77	0		3
2	Mike Talley	1	1:26.74	0		4
3	Trey Witte	4	1:36.31	1		1
4	Greg Doe	3	1:35.35	1		2

C Main						
Ln	Pilot	Fin	M:SS:HH	Cts	DN	Pts
1	Ken Hopson	2	1:35.00	0		3
2	Tom Koehler	3	1:50.90	0		2
3	Matthew Fornefeld	4	2:16.13	0		1
4	Trey Witte	1	1:32.86	0		4

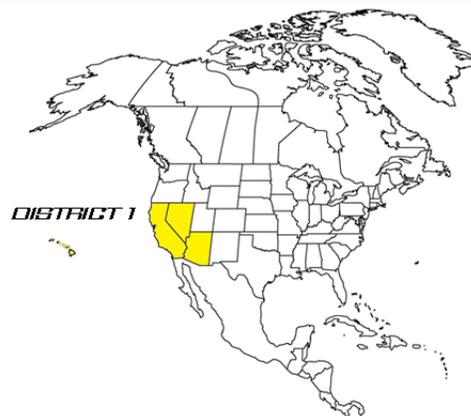




DISTRICT NEWS

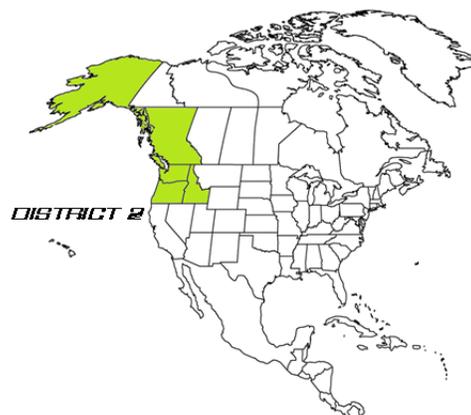
District 1: Tom Hegland

No article submitted for publication.



District 2: Allie Russell

No article submitted for publication.





DISTRICT NEWS

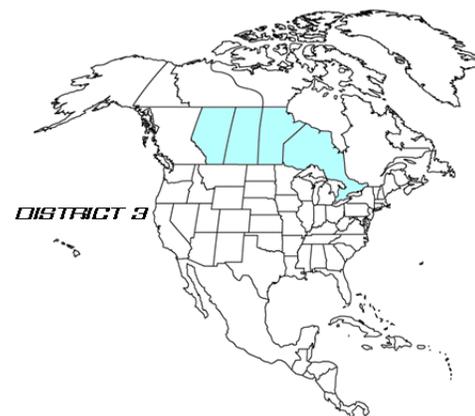
District 3: Randy Smith

Another NATS is in the books and most everyone survived. Many thanks to Dan Kane and Mike Condon for organizing and managing another week of very competitive racing. I had a great time this year in that I decided I didn't have to race in three main events. I chose to sit out in 426 and just call and take it easy. This made the week a bit easier and more like a vacation and less like Pylon Boot Camp. E-F1 and 422 was plenty. I really enjoyed calling in 426 and just taking in the action without the worry and heart-ache of more BAD AIR! Roy put up some great flights again this year in the qualifying rounds of 426 and 422. However, he just couldn't bring it across the goal line in the finals due to some bad air incidents. We all know what that's like.

Closer to home, Al and Kevin Umbach from Edmonton had to cancel their 426 and 422 contest in June due to bad weather again this year. They just can't seem to hit it right with weather in Edmonton. Their contest has been re-scheduled to Sept. 19, 20. I'm sure we will have a nice fall with sunny skies and calm winds.

The race in Calgary on July 25, 26 was a great competition with 12 entries in 426 Quickie and 13 entries in 422. We completed eight rounds of 426 on Saturday and seven rounds of 422 on Sunday. Sunday was cut short by a nasty but brief thunderstorm. Many thanks to the Calgary club members for helping out and also to many friends and family of club members who pitched in. Jan and Doug Houston put on a home-cooked lunch each day of the weekend races. A special thanks goes out to Jan and Doug.

In the 426 event, first, second, and third place were taken by Roy Andrassy, Doug Houston, and Rod Kelln. Roy had a fast time of 1:06. In 422 first place was taken once again by Roy. Delbert Godon and I were tied for second place. Delbert's Strega suffered some mid-air damage in the previous round during a race with Hank Kauffmann's Sweet-V. Since Delbert could not fly off against me, I took second place and fast time for the day with a 1:05.46 flying a Sweet-V. (Thanks Dan, she's flying well). Delbert settled for third.



The balance of our race schedule has 426 and 422 in Saskatoon on August 22, 23 and then in Medicine Hat Sept 12, 13 and in Edmonton Sept 19, 20 Harold Sattler, Henry Redekop, Lyle Baker and myself from District 3 are planning to see you all at the Old Julian Airport for the NMPRA Championship race. Until then, 30 good turns wins a race. It's simple, right?

Randy



Jeff Martin of District 3 in Saskatoon reminds all of us that Dub's 426 motor packs a mean bite on the break-in stand. Reaching THROUGH the propeller should be avoided if you can! Fly safely my friends.



DISTRICT NEWS

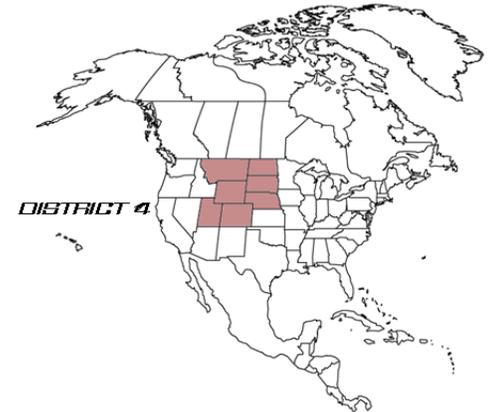
District 4: Travis Elbert

Hello fellow NMPRA members,
As some of you know, I have been indisposed the last several months. This racing season here is rolling but off to slow start. Ed Alves hosted the Billings race in June, and everyone had a great time. Three events were held - 424, 426 and EF1. We are looking forward to the Spokane race August 8th and 9th. (Contact Matt Russell for details.) Helena will hold their seventh annual Labor Day race September 5th through the 7th. Contact Travis Elbert at 406-431-5877 or Tewarbirds@netzero.com - 424 and EF1.

Several months ago Dane Kane asked me to write a quick how-to on plastic bonding for EF1 plastic parts so here goes.

After your plastic parts are cut and fitted, rough up the mating surfaces with 80 or 180 grit sand paper. Apply the aerosol surface modifier to the areas you will be gluing. On cowls I prefer to glue the top half first. You will use 3/4 inch masking tape to hold the pieces in place while they dry. Depending on the speed of the adhesive, this will happen in minutes. Once you have finished and the adhesive has cured, it can be sanded and filler added to straighten surfaces.

I have been in this hobby a very long time and plastic parts have always been difficult to bond; the products I am using are body shop grade adhesives for repairing all types of plastics. These products are not cheap but are very effective. There are several Manufacturers. I will give part numbers for a couple. NORTON-adhesives 04616/04617-Surface modifier 04625. Lord Fusor- adhesives 142-143/140/141-Surface modifier-602ez. filler -114. Evercoat filler 411. Sem surface modifier 39863.



If you have questions, feel free to contact me and read all instructions on these products.

Travis A Elbert



DISTRICT NEWS

District 5: Jim Nikodem

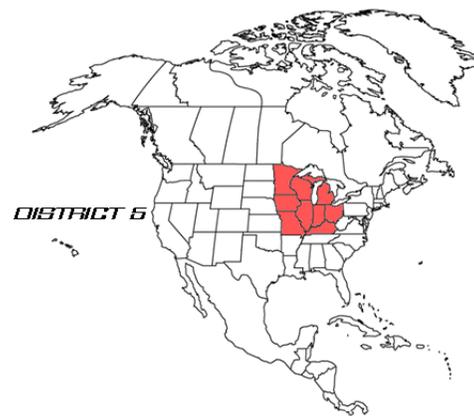
The first weekend in June was the annual Cincinnati "Moonshot" race. It was a great time with a great meal at the field Saturday night and a pretty big turnout. The biggest event was 426 with 20 entries, with other three events well attended as well. There were a few new racers coming from two-pole racing (who transitioned quickly to three-pole) and some long distance travelers. The first picture is of Cincinnati club member Dan Troup and his Dad at their second race. As you can see he flew EF-1. I think we are starting to see some racing interest coming out of EF-1 and two-pole racing growing into other events.

Tom Scott ran an aggressive line up, as usual, with three events both days. 426 Saturday and 422 Sunday, and 424, and EF-1 both days. Saturday EF-1 was on the EF-1 course - good practice for the NATS! In 424 Tom Melsheimer took top honors for the first time! Congratulations Tom! Tom is one of those 2-pole racers to make the move to 3-pole a few years ago and as you can see, has progressed very well!

In EF-1 Dan Kane came in first after a three-way tie flyoff. He also had the fastest time of the day with a 1:16.43! Second in the flyoff was Dub Jett, and third was recent EF-1 convert Mike Deneve. 426 had Dub Jett the only one with a perfect day. One point down was Mike Helsel, Craig Grunkemeyer, and Mo Vereeke. The flyoff ended in the order listed. Always exciting to watch those end-of-the-day flyoffs featuring some of the best races of the day. It is better yet to be in one either as a flier or a caller.

Another great dinner at the field Saturday right after racing finished thanks to Tom Scott and crew. A big thank you from all of us who just had to show up and enjoy! Another great day of racing Sunday with two more flyoffs at the end of the day. In EF1 Jim Nikodem was the only one with all firsts for the day claiming first place. Flying off for second were Dan Kane, Tim Lampe, and Tom Melsheimer -

finishing in that order with not one cut in the flyoff. In 1/4 40, John McDermott and Bill Johanson both ended the day with all firsts against a very competitive field. The winner was determined by a flyoff and John ended up winning. Congratulations John! Kurt Bozarth was third, and Mike Helsel had the fastest time of 1:03.91. In 424, Brad Clayton was the only one perfect at the end of the day winning him first. Jay Cappis was second and Jim Nikodem third. Rick Vogelsang got fast time with an old Dodger. Proof you don't need the latest airplane to do well.



Daniel Troup and his Dad at their second pylon race



Mike Spencer "super launch"



Bill Johanson, Dub Jett, and Kurt Bozath



Cincinnati 426 racing action



Craig Grunkemeyer returns to racing



Cincinnati Q40 winner John McDermott and CD Tom Scott



DISTRICT NEWS

District 5 Continued.

The end of June was the annual NATS "warm up" in Bloomington IL. It is called that because three of the four events flown at the NATS were held. Friday, a normally very active practice day, was totally rained out, but Saturday was nice except for a crosswind, and Sunday was ideal in the weather department. Jay Cappis had everything in place for an on-time start Saturday morning. Five rounds of all three events were flown with a finish time around three o'clock. Sunday finished even earlier after five rounds and fly offs. So, it can be done - three events in a day with an average entry in each event of 10-11 fliers.

The big NEWS is there were some new names in the top spots over the two days of racing. Second in EF1 was a flier who has been progressing nicely over the last three years. After only a few years of EF1 three-pole racing, Rick Hixon took second! Fast time went to Tim Lampe with a very fast 1:30.24 on the AMA short course. In 424, Mick Warning was first, and in third, back after a couple of years off and not showing it at all, was Malcome Reynolds, followed by his dad and caller George in 4th. In 426, new 426 flyer Tim Lampe claimed the top spot. Jay Cappis claimed fastest time of the day with a 1:07.5

Sunday had Tim Lampe winning EF1 In his fourth year of three-pole racing, Tom Melsheimer took third. In 424, Malcome moved up to second; Scott Farnsworth took third; and Mathew Farnsworth took fourth. This was the second year of racing airplanes for the Farnsworth brothers. I expect to see them move even farther up in the standings in the future. Kansas City's Doug Scherrer took fifth in a very competitive 424 crowd. In 426, Mathew Farnsworth came in third with the third fastest time of the day.

All together a great weekend of racing and a great warm up for the NATS. For you who were not there, you might want to consider this race for next year!



Bloomington CD Jay Cappis and 426 fast time winner



Saturday Bloomington EF1 winners Darwin Larson 3rd, Jim Nikodem 1st, and Rick Hixon 2nd



Saturday Bloomington 424 winners, Jim Nikodem 2nd, Mick Warning 1st, and Malcome Reynolds 3rd



Saturday Bloomington 426 winners, Darwin Larson 2nd, Tim Lampe 1st, and Bernie Vanderleest 3rd



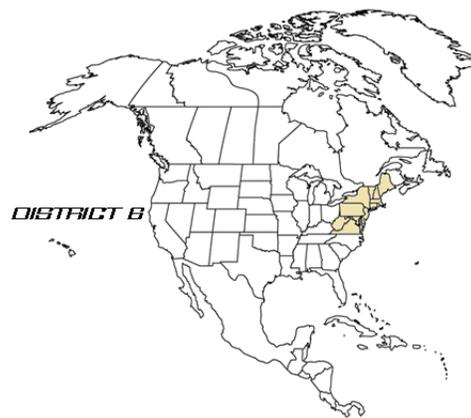
DISTRICT NEWS

District 6: Peter Tani

Hello All,
 To my great surprise there has not been any pylon racing going here in the Northeast since my last writing. Certainly not for lack of trying as the Bloomfield, CT "Wintonbury" race originally scheduled for June 28, 2015 was called off due to weather. At the Wintonbury event we race AMA 424 and forego AMA 426 in favor of EF-1. We will try to re-schedule this race to later in the season. As I write, this coming weekend is our signature event the Ellington 2-day race complete with Saturday night picnic. I very much look forward to this upcoming event as it is typically one of the most festive and enjoyable in our series. I have had the pleasure to work with some former Sportsmen racers in advance of their "E-500" debut as standard pilots and look forward to see how they do. My plans to travel to Muncie in 2015 fell through - twice. Once to participate

and a second time just to enjoy the racing. Alas. We were represented in District 6 by Lloyd Burnham, Steve Baker, Richard Berner, Mike Masi, and Craig Korsen. I hope I didn't miss anyone. I certainly missed attending.

On a different note; I happen to find myself the maintainer of Connecticut race results dating back to 2008, having inherited some from David Doyle before me. I have never thought of myself as a historian; however, I recently found myself hunting through the race results looking for the fastest AMA 424 time of "recorded" history. Since the August NMPRA newsletter is slow for news in District 6, I thought to research and publish the top ten fastest AMA 424 times dating back to 2008. Not presently being a high-speed racer, I understand from reliable sources that AMA 424 is one of the hardest venues as even the smallest bobble is hard to make up with speed.



Someone once described this, the slowest of all the wet racing venues, as a momentum race requiring ten perfect laps. Congratulations to the fastest of the slow.

Peter Tani
 NMPRA 23J

Place	Year	Race	Fast Time	Pilot
1	2015	Salem Spring Saturday	1:13.69	Korsen
2	2010	Hadley Fall	1:13.76	Rinaldi
3	2011	Bridgewater Sunday	1:14.10	Rinaldi
4	2009	Farmington	1:14.31	Rinaldi
5	2008	Salem	1:14.33	Dolat
6	2010	Salem Fall	1:14.71	Burnham
7	2008	Hadley Fall	1:14.91	Burnham
8	2009	Ellington 2-Day Saturday	1:15.15	Rinaldi
9	2011	Farmington	1:15.30	Dolat
10	2014	Salem Summer Sunday	1:15.33	Triggs



DISTRICT NEWS

District 7: Scott Smith

I wanted to start this off with a big congratulation to Randy Bridge and Ray Brown for their recent FAI F3D performance in the Czech Republic. Randy is now a 2-time world champion, and he and Ray set a new world record with a 55.32 run! The entire team was extremely fast with all 3 guys running in the 55's, but unfortunately a few 200's kept Team USA out of an overall win. We are still very proud of the entire team and can't wait for the next one! Our next event in SEMPRA is the Champ Race in Old Julian Airport October 3-4, and I think it might be the largest field at a quarter 40 event in a long time! Mike Langlois & Jim Katz have over 109 registered entries, and I have never seen a field that large in my 13 years of racing! All of you who strained your Q40 stuff at the NATS need to get busy so that you are ready for this event. It should be one to remember at the newest dedicated pylon field. December will be the last event for the SEMPRA 2015 season, and we plan to end it on a high note! Gary Freeman is

gearing up for this year's event and is asking for all the interested 424 pilots to please let him or myself know if you will be attending this year's event. We have been having very low numbers in 424 and would hate not to have enough competitors to hold the class, so please let us know! I am happy to announce that Brad Clayton will be hosting a race at Hodges in Andersonville, Georgia on November 7 & 8th. The event will be 424, 426, and maybe EF-1. This will be two, 1-day races for each class on the short course! Brad is working hard to finalize the small details, but this is a solid date for the event. We did a 1-day race with 424 here last summer and it was a blast! If you have never been to Hodges field, you will love it. All of you guys out in the panhandle should have a much shorter drive, and I hope you can all make plans to attend. Mac also has bathrooms, showers, and camping site available on site. Please let me know if you can attend the event, as I will be doing the matrix for it. Let's all show Mac Hodges that we will support him with our attendance.



The dates for Apopka are now confirmed for December 5 & 6, so please get your names in so that we can decide if we will have enough for 424. I really want to have 424, so get me your names so that we can run 424 at the Cliff Telford Memorial event. I will also be doing the matrix for this event, so please keep sending me your names and events so that I can get this done ahead of time! That is all I have for now, so I guess I will see you guys soon on the line ...

Upcoming SEMPRA District Pylon Racing Events – 2015 Season

Julian, N.C	October 3-4, 2015	NMPRA Championship	422
Andersonville, Ga.	November 7-8, 2015	Hodges Fall Event	424, 426, EF-1
Apopka, Fl.	December 5-6, 2015	Cliff Telford Memorial	424, 426, 422

Upcoming SEMPRA District Pylon Racing Events – 2016 Season

Mulberry, Fl.	March, 2016	12th Annual Southern 500	424, 426, 422
---------------	-------------	--	---------------

High Performance Information

Information Submittal

High Performance is published 6 times per year. Information for publication can be forwarded to: **Newsletter Editor**
Linda Brogdon
5251 Hermitage Drive
Powder Springs, GA 30127
770-421-8838
brogdonlh@comcast.net
If possible, please submit information in Microsoft Word format

Race Announcement Policy

High Performance will publish announcements of upcoming races free of charge, on first come, and space available basis. Also, camera ready copy no larger than 7.5" wide by 2.5" high (border dimension). Copy must be received by the Editor no later than the 25th of the month preceding newsletter publication.

Advertising Rates

Rates are for camera ready artwork. Artwork, composition and typesetting will be charged at cost. Printable are 7.5"x10", lpi=133, halftone permitted. Ads for upcoming issues must be received by no later than the 25th of the month preceding newsletter publication.	Description	Size	Single	Annual
	Full Page	7.5" x 10"	\$50	\$275
	1/2 Page	7.5" x 5"	\$35	\$180
	1/4 Page	7.5" x 2.5"	\$20	\$95
	Business Card	3.625"x 2.375"	\$10	\$45



DISTRICT NEWS

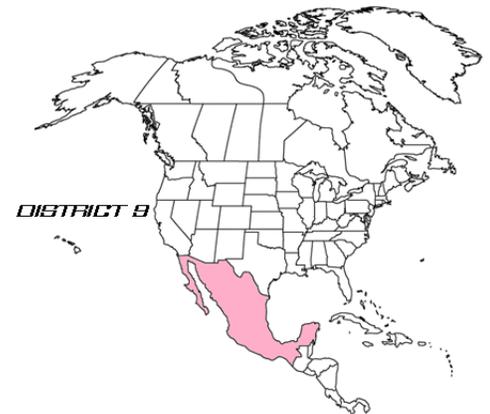
District 8: Empty Position

No article submitted for publication.



District 9: Alejandro Vazquez

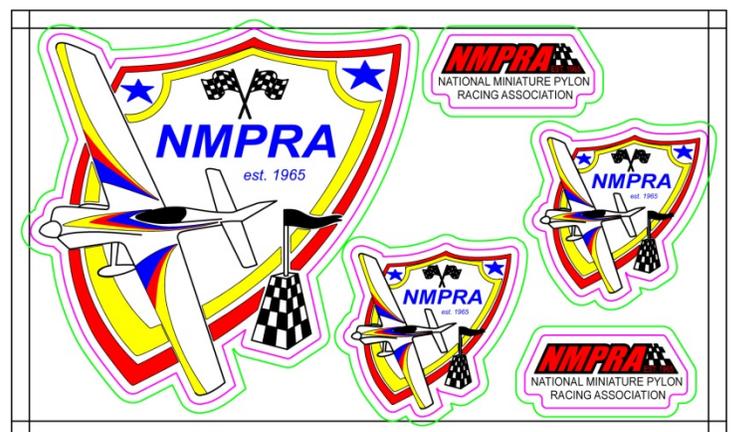
No article submitted for publication.



District 10: Joe Luxford

No article submitted for publication.

DISTRICT 10
INTERNATIONAL





AMA-422: Q40 POINTS & STANDINGS

422 Points: Gary James

AMA 422 - Q40		
	Location	Date
1	Wichita Fall	10/05/14
2	Mulberry 500	10/18/14
3	Whittier Fall	10/25/14
4	Whittier Fall	10/26/14
5	Cliff Telford Memorial	12/07/14
6	Q-40 Classic	2/21/15 2/22/15
7	Southern 500	3/21/15 3/22/15
8	Whittier Spring	3/21/15
9	Whittier Spring	3/22/15
10	Basin Spring	4/11/15
11	Basin Spring	4/12/15
12	Woodland	4/25/15
13	Woodland	4/26/15
14	Markham	4/26/15
15	HSF Wichita	5/03/15
16	Indy CAPS	5/17/15
17	GCRC Cincinnati MoonShot	6/6/15
18	GCRC Cincinnati MoonShot	6/7/15
19	Regina	6/21/15
20	NATS A	7/16/15
21	NATS B	7/16/15
22	NATS Final	7/16/15
23	Calgary	7/26/15

	NAME	NMPRA#	Races Flown	Total Points Best 6 Races
1	Allen, Jim	17D	8	584.44
2	Helsel, Mike	5A	8	520.46
3	Verano, Richard	22B	8	519.35
4	Jett, Dub	1I	9	515.65
5	Andraka, Chuck	11H	9	515.55
6	Kane, Dan	1V	6	481.29
7	Holik, Robert	23A	6	470.44
8	Van Baren, Rusty	7D	9	461.46
9	McDermott, John	2R	5	427.92
10	Frazier, Terry	37P	7	427.50
11	Flynn, Travis	55A	6	415.23
12	Coe, Dan	42C	9	413.99
13	Beers, Richard	22I	5	385.68
14	Lloyd, David	15C	5	357.80
15	Grim, Adam	20S	4	346.20
16	Andrassy, Roy	31X	9	344.11
17	Bridge, Randy	58B	4	340.72
18	Scott, Tom	26P	8	336.74
19	Finch, Lonnie	21V	5	314.98
20	Brown, Ray	15T	4	310.90
21	Thordarson, Dan	53C	5	305.64
22	Vereecke, Maurice		7	305.64
23	Stone, Dean	19R	6	303.02
24	Fehling, Matthew	59S	6	301.85
25	Richmond, Brian	85S	3	285.97
26	Witte, Trey	23R	4	282.14
27	Diepenroek, Hank	24F	6	280.66
28	Kaufmann, Hank	12X	5	278.02
29	Langlois, Mike	12R	4	276.40
30	Johanson, Bill	52P	3	255.36
31	Coffey, Bruce	81B	6	252.06
32	Von Der Hey, Lee	7C	5	249.41
33	Smith, Randy	22X	4	242.00
34	Yousey, Tim	58S	4	240.63
35	Hegland, Tom	37C	5	233.81
36	Hulen, Duane	12V	6	233.27
37	Korsen, Craig	16J	3	216.63
38	Killebrew, Doug	10C	8	210.29
39	Hartman, Scott	30H	3	185.01
40	Gavin, Dave	27C	6	181.47
41	Eden, Mike	61P	3	174.19
42	Brogdon, Bob	1S	5	172.38
43	Hodgin, Joe	14Q	3	158.75
44	DelPonte, Gino	42D	2	152.06
45	Umbach, Al	32X	2	147.38
46	Oliver, Richard	26H	2	144.38
47	Baker, Steve	15R	3	141.97
48	Tahhan, Gabriel	22Z	2	135.98
49	Rafalowski, Joe	21S	2	135.09
50	Blanchard, Marcus	15P	4	135.04
51	Salazar, Mario	18C	7	134.15

	NAME	NMPRA#	Races Flown	Total Points Best 6 Races
52	Masi, Mike	37J	3	122.77
53	McWilliams, Gordon	4G	3	119.50
54	Small, Jerry	5H	2	118.73
55	Hobbs, Ben	21G	3	113.10
56	Salar, Matias	88C	3	110.08
57	Robinson, Jeff	27B	3	107.70
58	Burnham, Lloyd	22J	2	104.46
59	Moorehouse, Kevin	36X	2	103.40
60	Larson, Lyle	16B	1	99.80
61	Seaholm, AJ	16V	1	95.45
62	Batch, Bryan	79E	2	94.47
63	Barrios, Salvador	26Y	1	92.55
64	Sattler, Harold	59X	1	91.10
65	Vess, Robert	14R	2	89.90
66	Castellanos, Javier	12Y	1	89.65
67	Katz, Jim	4Q	2	86.80
68	Martin, Jeff	26X	2	81.68
69	Redekop, Henry	30X	1	80.95
70	Calderon, Jose	25Y	1	78.05
71	Strom Jr., Tom	23E	1	76.60
72	O'Brien, Dennis	2S	4	75.23
73	Carvalho, Marcello	27Z	1	72.25
74	Nikodem, Nick	22V	1	72.15
75	Gall, Duane	23F	2	68.75
76	Meisheimer, Tom	99P	1	65.70
77	Nalley, Dan	2E	2	60.07
78	Lopez, Anthony	23B	1	56.30
79	Vasquez, Alejandro	41C	1	49.05
80	Vogelsang, Rick	29P	1	46.44
81	Lime, Jim	41D	3	35.69
82	Umbach, Kevin	34X	1	32.77
83	Blanchard, Bryan	16P	2	26.73
84	Coffey, Joanne	83B	2	26.39
85	Coronado, Oscar	22Y	1	25.85
86	Freeman Sr., Gary	20T	2	25.60
87	Freeman Jr., Gary	16S	3	22.15
88	Tallman, Mike	15G	1	21.80
89	Gage, Ronald	12W	1	19.44
90	Galemeault, Pat	95W	1	8.05
91	Matney, Kevin	44W	1	7.65
92	Diffendaffer, Bryan	24E	1	7.00
93	Baker, Lyle	19X	2	5.30
94	Oliver, Jason	27H	1	1.20



AMA-426: SS QUICKIE POINTS & STANDINGS

426 Points: Lonnie Finch

AMA 426 – SS Quickie		
	Location	Date
1	Wichita, KS	10/4/14
2	Brooklyn Park, MN	10/11/14
3	Bowie, MD	10/11/14
4	Mulberry, FL	10/18/14
5	Whittier, CA	10/25/14
6	Whittier, CA	10/26/14
7	Apopka, FL	12/6/14
8	Winterfest-Phoenix, AZ	1/17/15
9	Whittier, CA	3/20/15
10	Mulberry, FL	3/21/15
11	Whittier, CA	3/21/15
12	Basin, CA	4/11/15
13	Basin, CA	4/12/15
14	Markham Park-Ft. Lauderdale, FL	4/25/15
15	Wichita, KS	5/2/15
16	Woodland, CA	5/2/15
17	Woodland, CA	5/3/15
18	Brooklyn Park, MN	5/9/15
19	Muncie, IN	5/16/15
20	Brooklyn Park, MN	5/23/15
21	Calgary, AB	5/23/15
22	Cincinnati, OH	6/6/15
23	Basin, CA	6/6/15
24	Basin, CA	6/7/15
25	Hillsdale, KS	6/13/15
26	Brooklyn Park, MN	6/13/15
27	Hillsdale, KS	6/14/15
28	Regina, Saskatchewan	6/20/15
29	Brooklyn Park, MN	6/27/15
30	Bloomington, IL	6/27/15
31	Bloomington, IL	6/28/15
32	NATS - Group A	7/14/15
33	NATS - Group B	7/14/15
34	NATS - Finals	7/14/15

	NAME	NMPRA#	Races Flown	Total Points Best 6 Races
1	Allen, Jim	17D	8	573.90
2	Andrassy, Roy	31X	9	567.73
3	Jett, Dub	4I	8	562.89
4	Hulen, Duane	12V	10	519.34
5	Finch, Lonnie	21V	7	512.23
6	Andraka, Chuck	11H	11	501.51
7	Salazar, Mario	18C	8	481.42
8	Coe, Dan	42C	11	479.59
9	Fehling, Mathew	59S	6	473.81
10	Coffey, Joanne	83B	10	465.70
11	Korsen, Craig	16J	6	455.67
12	Helsel, Mike	5A	5	433.74
13	Scott, Tom	26P	7	425.81
14	Frazer, Terry	37P	8	420.96
15	Beers, Richard	22I	5	405.48
16	DeLateur, Joe	15B	9	403.69
17	Jump, Eddie	20G	6	353.73
18	Thompson, Taylor	26C	7	347.01
19	Kane, Dan Jr.	23U	5	340.07
20	Gage, Ron	12W	7	330.88
21	Lime, Jim	41D	9	309.15
22	Galameault, Pat	95W	6	302.50
23	Thordarson, Dan	53C	5	295.98
24	Diepenbroek, Hank	24F	6	282.72
25	Holik, Robert	23A	5	275.19
26	Blanchard, Marcus	15P	4	265.67
27	O'Brien, Dennis	2S	4	256.25
28	Oliver, Richard	26H	3	255.41
29	Etken, Randy	20W	7	247.61
30	Nickodem, Jim	22V	5	241.38
31	McWilliams, Gordon	4G	5	229.90
32	Yousey, Tim	58S	4	229.17
33	Stone, Dean	19R	6	228.19
34	Eden, Mike	61P	4	227.91
35	Lucero, Gilbert	16C	7	222.54
36	Burnham, Lloyd	22J	4	222.52
37	Katz, James	4Q	3	219.42
38	Hodgin, Joe	14Q	3	218.73
39	Gavin, Dave	27C	7	218.07
40	Brown, Ray	15T	4	214.35
41	Schelling, Don	56C	7	210.87
42	Hegland, Tom	37C	6	208.05
43	Brogdon, Bob	1S	5	204.85
44	Bridge, Randy	38B	3	203.33
45	Lampe, Tim	16U	5	202.04
46	Berryman, Del	31W	5	201.85
47	VanTuyt, Ken	25F	5	198.46
48	DelPonte, Gino	42D	2	197.86
49	Baker, Steve	15R	3	196.21
50	Larson, Darwin	25U	4	195.31
51	Masi, Mike	37J	3	193.16

	NAME	NMPRA#	Races Flown	Total Points Best 6 Races
52	Thompson, Chuck	28C	5	184.64
53	Flynn, Travis	55A	3	181.01
54	Tucker, Rich	14S	5	175.44
55	Houston, Doug	14X	2	172.07
56	Winz, Marc	16E	3	171.33
57	Grim, Adam	20S	4	164.84
58	Vanderleest, Bernie	7W	4	163.96
59	Langlois, Mike	12R	3	160.00
60	Spencer, Mike	54P	3	158.84
61	Bozarth, Kurt	44F	2	148.30
62	Smith, Scott	86T	4	144.46
63	Witte, Trey	23R	4	127.80
64	Redig, Pat	23W	5	125.07
65	Hartman, Scott	30H	4	120.48
66	Martin, Jeff	26X	2	115.51
67	Smith, Randy	22X	2	115.51
68	Farnsworth, Matt	21W	2	115.51
69	Blanchard, Bryan	16P	3	110.17
70	Gosnell, Barry	27V	4	109.46
71	Tallman, Mike	15G	5	105.90
72	Johanson, Bill	52P	2	103.51
73	Gall, Duane	23F	4	90.32
74	Richmond, Brian	85S	3	85.20
75	Tahhan, Gabriel	22Z	1	84.17
76	Farnsworth, Scott	25W	4	83.27
77	Vess, Robert	14R	2	78.98
78	Coffey, Bruce	81B	2	75.57
79	Lopez, Tony	23B	1	73.77
80	Melsheimer, Tom	99P	4	71.84
81	Cranfill, Dennis	29I	1	66.71
82	Kauffmann, Hank	12X	3	62.56
83	Umbach, Allan	32X	1	57.76
84	Reade, Barry	14T	3	51.89
85	Rafalowski, Joe	21S	2	51.81
86	Haakonsen, Erik	29J	1	49.27
87	Small, Jerry	5H	2	48.99
88	Smithwick, Scotty	0	3	46.33
89	Bergan, Mike	33E	1	45.87
90	McDermott, John	2R	1	42.80
91	Batch, Bryan	79E	1	33.96
92	Cady, Darrol	5G	1	30.23
93	Parker, Mark	24I	1	28.00
94	Baker, Lyle	19X	1	23.82
95	James, Gary	15I	1	23.23
96	Freeman, Gary Sr	20T	1	18.67
97	Strom, Tom Jr.	23E	1	18.27
98	Van Zuidam, Dirk	32Z	1	9.91
99	Triggs, Bob	21J	1	8.07
100	Scherrer, Doug	35G	2	2.40
101	Moorehouse, Kevin	36X	1	1.20
102	Yost, Dave	34C	1	1.20



AMA-424: QUICKIE POINTS & STANDINGS

424 Points: Dave Gavin

AMA 424 – Quickie		
	Location	Date
1	WhittierFallSat	10/18/14
2	WhittierFallSun	10/19/14
3	BowieFall	10/12/14
4	Mulberry500	10/18/14
5	Mulberry500	10/19/14
6	WichitaFall	10/04/14
7	WichitaFall	10/05/14
8	TangerineSat	12/06/14
9	TangerineSun	12/07/14
10	WhittierMarSat	3/21/15
11	WhittierMarSun	3/22/15
12	Southern500Sun	3/22/15
13	BasinSat	4/11/15
14	SalemSpringSat	5/2/15
15	SalemSpringSun	5/3/15
16	WichataSat	5/2/15
17	WichataSun	5/3/15
18	CapsShootOutSat	5/16/15
19	CapsShootOutSun	5/17/15
20	MoonShotSat	6/6/15
21	MoonshotSun	6/7/15
22	HillsdaleSat	6/13/15
23	HillsdaleSun	8/14/15
24	Nats424	7/14/15
25	BasinJune	6/7/15
26	EllingtonSpring	5/31/15

	NAME	Races Flown	Total Points Best 6 Races
1	Lucero , Gilbert	6	426.78
2	Elkouby, Benny	6	395.07
3	Fehling, Jack	6	393.20
4	VanTuyl, Ken	7	374.40
5	Smith, Scott	5	368.47
6	Nikodem, Jim	4	357.71
7	Korsen, Craig	4	343.26
8	Melsheimer , Tom	6	339.40
9	Masi, Mike	4	296.71
10	Triggs , Bob	4	284.55
11	Burnham, Lloyd	3	282.19
12	Warning, Mick	3	252.31
13	Larson, Darwin	3	251.22
14	Vogelsang, Rick	5	242.45
15	Wondolowski, Conrad	6	205.57
16	VonDerHey , Lee	2	190.77
17	Thompson, Taylor	3	186.57
18	Gall , Duane	4	173.43
19	Hobbs , Ben	2	167.50
20	Hartman, Scott	3	166.40
21	Matney, Kevin	2	158.76
22	Thompson, Chuck	5	150.11
23	Witte , Trey	2	147.86
24	Scherrer , Doug	4	145.67
25	Diepenbroek , Hank	2	142.30
26	Coe , Dan	2	141.76
27	Farnsworth , Scott	4	131.52
28	Tani, Peter	4	121.95
29	Burns , Ted	4	120.71
30	Haakonsen, Erik	3	119.65
31	Yost , Dave	3	100.06
32	DeLateur , Joe	3	88.03
33	James , Gary	2	80.90
34	Zuidam , Dirk	3	78.41
35	Loucks , Larry	2	73.80
36	Llyod, Dave	1	52.60
37	Reade, Barry	2	48.44
38	Baker , Steve	1	37.58
39	Ellis, Dave	2	28.00



NMPRA-EF1: POINTS & STANDINGS

EFI Points: Trey Witte

NMPRA – EF-1		
	Location	Date
1	Bowie	10/11/14
2	Winterfest	1/18/15
3	Woodland Spring Sat	4/25/15
4	Woodland Spring Sun	4/26/15
5	HOTMAC	4/11/15
6	Indy Shootout	5/16/15
7	Calgary, Alberta	5/23/15
8	MoonShot - Sat	6/6/15
9	MoonShot - Sun	6/7/15
10	RC Barnstormers - Sat	6/13/15
11	Nats	7/12/15
12	Bloomington - Sun	6/28/15
13	Bloomington - Sat	6/27/15

	NAME	NMPRA #	Races Flown	Total Points Best 6 Races
1	Jim Nikodem	22V	6	478.64
2	Dan Kane Jr	23U	5	436.04
3	Tim Lampe	16U	6	405.42
4	Tom Meisheimer	99P	7	319.31
5	Dub Jett	4I	3	293.57
6	Darwin Larson	25U	4	246.38
7	Joe DeLateur	15B	4	229.44
8	Roy Adndrassy	31X	3	214.20
9	Robert Holik	23A	2	196.19
10	Mike Helsel	5A	2	177.44
11	Travis Flynn	55A	2	174.80
12	Steve Baker	15R	2	163.83
13	Trey Witte	23R	2	155.00
14	Randy Smith	22X	2	144.63
15	Doug Scherrer	35G	3	135.44
16	Duane Gall	23F	2	134.81
17	Tony McDonald	20A	2	130.46
18	Larry Lisowski	31V	3	127.23
19	Bruce Coffey	81B	2	126.70
20	Craig Korsen	16J	2	123.56
21	Jerry Small	5H	3	122.06
22	Tom Hegland	37C	3	121.44
23	Dan Nalley	2E	2	117.48
24	Jeff Robinson	27B	2	112.19
25	Wylie Walters	26B	2	110.49
26	Doug Killebrew	10C	2	106.38
27	Mike Langlois	12R	1	101.48
28	Jim Katz	4Q	1	93.57
29	Dennis Cranfill	29I	1	90.93
30	Jason Oliver	27H	1	90.10
31	Jim Alllen	17D	1	88.29
32	Richard Beers	22I	2	85.70
33	Tony Lopez	23B	1	85.05
34	Robert Triggs	21J	1	81.97
35	Mike Masi	37J	2	79.04
36	Hank Kauffmann	12X	2	73.63
37	Allan Umbach	32X	1	64.34
38	Richard Tucker	14S	1	61.90
39	Tom Strom Jr.	23E	1	61.29
40	Eric Huffman	25D	1	59.25
41	Kevin Morehouse	36X	1	56.45
42	Patrick Redig	23W	1	51.34
43	Lloyd Burnham	22J	1	45.26
44	Matt Farnsworth	21W	1	45.26
45	Dennis Obrien	2S	1	40.79
46	Gordon McWilliams	4G	2	40.38
47	Gary James	15I	1	39.30
48	Ben Hobbs	21G	1	34.93
49	Dean Stone	19R	2	34.41
50	Jim Lime	41D	1	33.45
51	Jeff Martin	26X	1	32.77

	NAME	NMPRA #	Races Flown	Total Points Best 6 Races
52	Bryan Batch	79E	1	27.59
53	Brian Richmond	85S	2	24.25
54	Eric Haakonsen	29J	1	23.23
55	Hank Diepenbroek	24F	1	20.55
56	Doug Houston	14X	1	16.98
57	Peter Tani	23J	1	15.89
58	Kevin Matney	44W	2	8.85
59	Luis Ochoa	23Z	1	8.54
60	Mike Tallman	15G	1	7.65
61	Art Kittler	34G	1	1.20
62	Richard Oliver	26H	1	1.20
63	Scott Dossett	20U	1	1.20
52	Bryan Batch	79E	1	27.59
53	Brian Richmond	85S	2	24.25
54	Eric Haakonsen	29J	1	23.23
55	Hank Diepenbroek	24F	1	20.55
56	Doug Houston	14X	1	16.98
57	Peter Tani	23J	1	15.89
58	Kevin Matney	44W	2	8.85
59	Luis Ochoa	23Z	1	8.54
60	Mike Tallman	15G	1	7.65
61	Art Kittler	34G	1	1.20
62	Richard Oliver	26H	1	1.20
63	Scott Dossett	20U	1	1.20



NMPRA : 2015 RACE SCHEDULE

National Contest Coordinator: Mike Helse

Please contact Mike Helse (mhelse65@gmail.com) for any corrections, changes, additional entries, or schedule conflicts. Thanks

If I don't have your races listed please send me a copy of your schedule and I will get them added to the master schedule.

2015 NMPRA Master Race Schedule

Date	Location	Events	Comments	Contact	Other Info
August					
1st - 2nd					
8th	Brooklyn Park, MN	426		Ron Gage	gager97@comcast.net
8th - 9th					
15th - 16th					
23rd	Modesto	EF1, 424,426			
22nd - 23rd	Muncie, IN	424,426,422,EF1	Jim Nikodem	jdnikodem@juno.com	
29th	Brooklyn Park, MN	426	The Big One	Jerry Elert	jerry@conmechservices.com
29th - 30th					
September					
5th - 6th					
12th - 13th	Brooklyn Park, MN	426		Ron Gage	gager97@comcast.net
12th - 13th	Bloomington, IL	424,426,EF1		Jay Cappis	cappis4@msn.com
12th - 13th	Woodland, CA	EF1, 426, 422			
19th - 20th	Wichita, KS	422		Lonnie Finch	
26th	Bloomington, IL	426	Shoot Out		r140racer@msn.com
26th - 27th					
October					
3rd - 4th	Liberty, NC	422	NMPRA Champ Race	Jim Katz	mrjkatz@aol.com
10th	Brooklyn Park, MN	424, EF1		Jesse Platt	jesse.platt@eclob.com
10th - 11th					
17th - 18th					
24th - 25th	Whittier, CA	424,426,422			
November					
31st - 1st					
7th - 8th	Andersonville, GA	424,426, ef1	Hodges	Brad Clyton	
14th - 15th					
21st - 22nd					
December					
5th - 6th	Apopka, FL	424,426,422	Cliff Telford Memorial		
12th - 13th					
19th - 20th					
26th - 27th					



NMPRA : SPONSORS

Randy Ritch
281-701-3121
713-661-5458

www.ritchsbrew.com
sritch@sbcglobal.net

DCRC

<http://www.darrolcady.com/>
dcady@pacifier.com PH: 360-903-3520

"FOR ALL YOUR RACING NEEDS"

The Choice of Champions...

bdechastel@bigpond.com WWW.BIGBRUCERACING.COM

Bridge_521@charter.net

PMP
Performance Model Products

Dennis O'Brien
(407)619-5191

H&M Racing

R/C Pylon Manufacture

hm.racing@sasktel.net Phone: (306) 892-4216

<http://hmracinginc.com/index.php>

APC PROPELLERS
ADVANCED PRECISION COMPOSITES

The No. 1 Choice of Competition Modelers Worldwide!

APC Competition propellers for the intermediate and advanced sport flyer as well as the competition community. Over 400 pitch/diameters available ranging from slow-flyer electric to High performance Giant Scale Racers.

Visit the APC Prop Website for product selection and detailed information on product design and features.

www.apcprop.com

All propellers are in stock and overnight delivery is available.

LANDING PRODUCTS
1222 Harter Ave., Woodland, CA 95776
(530) 661-0399
est. 1989 by Mr. Fred Burgdorf

Proudly made in the USA



NMPRA : SPONSORS



--- H P P ---
ADVANCED PYLON PRODUCTS, LLC

HEADQUARTERS FOR ALL YOUR BUILDING AND RACING SUPPLIES

ADDITIONAL SERVICES INCLUDE:
 COMPOSITE FABRICATION
 FOAM CUTTING
 CNC ROUTER CUTTING
 FOR QUESTIONS AND PRICING
 CALL GARY FREEMAN @ 407-222-5759

www.advancedpylonproducts.com Email: gary@advancedpylonproducts.com



Domestic: 708.246.3730
 International: (+1)708.246.3730

Domestic Fax: 708.246.6734
 International Fax: (+1)708.246.6734

General Email:
info@merlinglowplugs.com



Mike Langlois
 6024 Smithwood Rd.
 Liberty, NC 27298

PO Box 216
 Julian, NC 27283

Tel no: 336-685-0016
 Fax: 336-685-9195
 Email: ml@aeroprecisionmachine.com




bsi
BOB SMITH INDUSTRIES
 INCORPORATED



www.cmadracing.com

Q-500Racing.com
HOME OF THE R200 & R140
Q-500 RACERS.

Randy Etken
R140Racer@msn.com (952)445-8652

MASTER LINE PRODUCTS

Home of The MASTER TACH, racing tachometer

Allen Booth
Rcflyer39@hotmail.com (260)312-3185

Academy of Model Aeronautics
Attention: NMPRA
P.O. Box 3028
Muncie, IN 47302-1028

First Class
Dated Material
To:

The Pylon Racer's Official Voice
NMPRA
HIGH PERFORMANCE

JETT

ENGINES PARTS ACCESSORIES

WWW.JETTENGINEERING.COM

713-680-8113

JETTENGR@SBCGLOBAL.NET