



NEWS OF NORTHWEST CONTROL-LINE MODEL AVIATION

1073 Windemere Dr. NW, Salem, OR 97304

Editor: Mike Hazel

FEBRUARY- MARCH 1998

ISSUE #145

Yes, the format is just a little different this issue. First thing, this is a small issue, but an important one. Important in that the first full draft of the NW contest calendar is included. There are still some tentatives in it, but as you can see we will have a plenty full schedule.

Anyhow, due to editor's time constraints and the pressing feeling that this schedule information needs to be out resulted in this abbreviated issue. We have plenty of stuff to publish, and it will be in the next one. The next one, by the way, will shortly follow in the month of April.

Between now and then, most of tentative detailed meets should be finalized.

In the editorial corrections department, Mark Hansen noted that there were some figures transcribed wrong in his article on truss ribs which was in the last issue. Mark reports that the corrections are as follows: "In paragraph 11 it should read (chord) squared + (spacing) squared = (truss length) squared. The next line should read: (5.17) squared + (2) squared = 30.73 square inches."

Ok, we got that one fixed up.

In the other things to see and do department is the "Oregon Model Aviation Exposition". This will be held on April 18th at the Benton County fairgrounds in Corvallis. For more information contact: Jim Trump (541) 753-7540, or Brian Unwin (541) 753-1477

If the mailing label has a colored streak drawn on it, that means that this is your last issue. Time to renew! Remember to do so promptly, as the next issue will be coming out shortly. \$13 for USA, and \$15 for Canada (U.S. funds, please)

FLYING CLOWN RACE 200 LAP CLUB

Paul Rice wrote in recently and noted that the 200 lap club listing needed an updating. So, here is the official update as of January 1998.....

The order of the names is the order that 200 laps was first achieved, but the number of laps is the best performance by each individual.

Joe Just	203	10-27-90
Don Stewart	209	10-27-90
John Hall	219	3-20-93
Joe Rice	296	3-15-97
David Schultz	203	10-5-91
Ron Hale	225	10-5-91
Kevin Magnuson	219	3-15-92
Jim Welch	204	3-15-92
Todd Ryan	308	6-14-97
Bill Fisher	218	3-20-93
Julie Rice	272	10-8-94
Bill Darkow	232	10-2-93
Nitroholics team	205	5-7-94
Rich McConnell	227	5-7-94
Euan Edmonds	252	10-7-95
Pat Johnston	262	10-8-94
Mike Connor	264	7-26-97
James Cox	223	3-24-96
Stephen Cox	293	9-13-97
Rick Meadows	272	7-27-96
Paul Dranfield	222	3-24-96
Curtis Ryan	244	5-4-96
Scott Davis	229	4-14-96
Aaron Olsen	215	5-4-96
Derrick Meadows	266	7-27-96
Jim Giles	226	10-5-96
S & S Racing	251	5-23-97
Paul Gibeault	281	7-26-97
Cleaver Bros team	222	10-11-97

All you racers come and support the NW Fireballs racing meet at the end of this month. They have an innovative method for prize distribution, plus splitting the Clown Race into categories is a good idea. Flyer is in this issue. See you all there!

NORTHWEST CONTROL LINE CONTEST CALENDAR

THE FOLLOWING LISTING IS A SUMMARY OF ALL KNOWN A.M.A. AND M.A.A.C. SANCTIONED EVENTS AS OF 3-08-98. FOR FURTHER INFORMATION, PLEASE CONTACT THE INDIVIDUAL LISTED. CONTEST DIRECTORS AND CLUB LEADERS ARE ENCOURAGED TO CONTACT FLYING LINES AS SOON AS POSSIBLE WITH THEIR PLANS, INCLUDING REVISIONS AND TENTATIVE DETAILS. CONTEST FLYERS CAN ALSO BE INCLUDED AT NO CHARGE, ON A SPACE AVAILABLE BASIS.

MARCH 14 RICHMOND, BRITISH COLUMBIA
EVENTS: NAVY CARRIER (ALL CLASSES), P.A.C. SLOW RACE. SITE: RICE MILL ROAD SPONSOR: PACIFIC AEROMODELERS CLUB. CONTACT: MIKE CONNER (604) 465-7277

MARCH 28 PORTLAND, OREGON
"SPRING RACING TUNE-UP"
EVENTS: MOUSE RACE CLASS I, NW SPORT RACE, NW SUPER SPORT RACE, NW FLYING CLOWN RACE (BEGINNER & EXPERT CLASSES) SITE: DELTA PARK SPONSOR: NORTHWEST FIREBALLS. CONTACT: GARY HARRIS (503) 324-3450, OR MARK HANSEN (503) 234-1971

APRIL 4 MISSION, BRITISH COLUMBIA
EVENT: NOSTALGIA DIESEL COMBAT SITE: MISSION FLYING FIELD CONTACT: PAUL DRANFIELD (604) 826-3376 E-MAIL: pdran@bc.sympatico.ca

APRIL 18 RICHMOND, BRITISH COLUMBIA
EVENTS: NW SPORT RACE, .15 SPORT RACE, NW FLYING CLOWN RACE. SITE: RICE MILL ROAD SPONSOR: PACIFIC AEROMODELERS CLUB CONTACT: MIKE CONNER (604) 465-7277

MAY 2 MISSION, BRITISH COLUMBIA
EVENT: NOSTALGIA DIESEL COMBAT SITE: MISSION FLYING FIELD CONTACT: PAUL DRANFIELD (604) 826-3376 E-MAIL: pdran@bc.sympatico.ca

MAY 3 SALEM, OREGON
"SPRING SPEED TUNE-UP"
EVENTS: 1/2 A SPEED, A SPEED, B SPEED, D SPEED, JET SPEED, FAI SPEED, FORMULA 40 SPEED, .21 SPORT SPEED, 1/2 A PROFILE PROTO SPEED, .21 PROTO SPEED, NW SPORT JET SPEED. SITE: BILL RIEGEL MODEL AIRPARK (SALEM AIRPORT) SPONSOR: WESTERN OREGON CONTROL LINE FLYERS. CONTACT: MIKE HAZEL, 1073 WINDEMERE DRIVE NW, SALEM, OR 97304 PHONE (503) 364-8593 E-MAIL: ZZ CLspeed@aol.com

MAY 9 RICHMOND, BRITISH COLUMBIA
EVENTS: CARRIER (ALL CLASSES), PROFILE STUNT USING OLD TIME PATTERN. SITE: RICE MILL ROAD SPONSOR: PACIFIC AEROMODELERS CONTACT: MIKE CONNER (604) 465-7277

MAY 22-23-24 ROSEBURG, OREGON
"NORTHWEST CONTROL-LINE REGIONALS"
EVENTS: PRECISION AEROBATICS IN FOUR PAMPA CLASSES, OLD TIME STUNT, CLASSIC STUNT, AMA FAST COMBAT, AMA SLOW COMBAT, 1/2 A COMBAT, 80 MPH

COMBAT, VINTAGE DIESEL COMBAT, PROFILE CARRIER, CLASS I CARRIER, CLASS II CARRIER, .15 CARRIER, MOUSE RACE CLASS I, MOUSE RACE CLASS II, RAT RACE, SLOW RAT RACE, SCALE RACE, NW GOODYEAR, NW SPORT RACE, NW SUPER SPORT RACE, NW FLYING CLOWN RACE, AMA PRECISION SCALE, SPORT SCALE, PROFILE SCALE, 1/2 A SPEED, A SPEED, B SPEED, D SPEED, JET SPEED, FAI SPEED, FORMULA 40 SPEED, .21 SPORT SPEED, 1/2 A PROFILE PROTO SPEED, .21 PROTO SPEED, NW SPORT JET SPEED, 1/2 A REED SPEED (JR-SR ONLY). SITE: ROSEBURG REGIONAL AIRPORT. CONTACT: CRAIG BARTLETT, 205 NE CEDAR LANE, CORVALLIS, OR 97330 PHONE (541) 745-2025

JUNE 20-21 KENT, WASHINGTON
JIM PARSONS MEMORIAL SUMMERFLY
EVENTS: OLD TIME STUNT, CLASSIC STUNT, PRECISION AEROBATICS (INT / ADV / EXP), .15 CARRIER, PROFILE CARRIER, CLASS I & II CARRIER COMBINED, MOUSE RACE CLASS I, NW FLYING CLOWN RACE, NW SPORT RACE, NW SUPER SPORT RACE SITE: BOEING SPACE CENTER IN KENT. SPONSOR: SEATTLE SKYRAIDERS
NOTE* DETAILS TENTATIVE

JUNE or JULY SOMETHING.....BLADDER GRABBER?????

JULY 5 SALEM, OREGON
"ENDURANCE RECORD TRIALS"
EVENT: AMA CL ENDURANCE SITE: BILL RIEGEL MODEL AIRPARK (SALEM AIRPORT) SPONSOR: WESTERN OREGON CONTROL LINE FLYERS. CONTACT: MIKE HAZEL 1073 WINDEMERE DRIVE NW, SALEM, OR 97304 PHONE (503) 364-8593 E-MAIL: ZZ CLspeed@aol.com (NOTE: MEET TENTATIVE)

JULY 11 MISSION, BRITISH COLUMBIA
EVENT: NOSTALGIA DIESEL COMBAT SITE: MISSION FLYING FIELD CONTACT: PAUL DRANFIELD (604) 826-3376 E-MAIL: pdran@bc.sympatico.ca

JULY 10-11-12 MUNCIE, INDIANA
A.M.A. NATIONALS FOR ALL SCALE EVENTS

JULY 13 - 18 MUNCIE, INDIANA
A.M.A. NATIONALS FOR CONTROL LINE EVENTS

JULY 25-26 RICHMOND, BRITISH COLUMBIA

"P.A.C. INVITATIONAL"

EVENTS: CARRIER (ALL CLASSES), NW FLYING CLOWN RACE, NW SPORT RACE, GOODYEAR, OLD TIME STUNT, PRECISION AEROBATICS IN FOUR CLASSES, SCALE. SITE: RICE MILL ROAD SPONSOR: PACIFIC AEROMODELERS CLUB CONTACT: MIKE CONNER (604) 465-7277

AUGUST 1-2 COQUITLAM, BRITISH COLUMBIA

"CAN-AM SPEED CHAMPIONSHIPS"

EVENTS: SPEED SITE: UPPER COQUITLAM PARK SPONSOR: VANCOUVER GAS MODEL CLUB CONTACT: RON SALO (604) 279-0530, OR PAUL GIBEAULT (604) 525-1020

AUGUST 22-23 SALEM, OREGON

WOLF 2ND ANNUAL SUMMER MEET

EVENTS: NW SUPER SPORT RACE, NW SPORT RACE, NW FLYING CLOWN RACE, MOUSE RACE CLASS I, SPEED EVENTS, 80 MPH COMBAT, PRECISION AEROBATICS, FUN FLY EVENT. SITE: BILL RIEGEL MODEL AIRPARK SPONSOR: WESTERN OREGON CONTROL LINE FLYERS CONTACT: MIKE HAZEL (503) 364-8593 (NOTE: MEET DETAILS TENTATIVE)

SEPT 5 COQUITLAM, BRITISH COLUMBIA

EVENTS: MOUSE RACE CLASS I, NW SPORT RACE, NW FLYING CLOWN RACE, .15 SPORT RACE. SITE: UPPER COQUITLAM PARK. SPONSOR: PACIFIC AEROMODELERS CONTACT: MIKE CONNER (604) 465-7277

SEPT 12-13

KENT, WASHINGTON

RAIDER ROUNDUP

EVENTS: OLD TIME STUNT, CLASSIC STUNT, PRECISION AEROBATICS (INT / ADV / EXP), MOUSE RACE CLASS I, NW FLYING CLOWN RACE, NW SPORT RACE, NW SUPER SPORT RACE, .15 CARRIER, PROFILE CARRIER, CLASS I & II CARRIER COMBINED, 1/2 A COMBAT, VINTAGE DIESEL COMBAT, 80 MPH COMBAT, SPORT SCALE SITE: BOEING SPACE CENTER IN KENT. SPONSOR: SEATTLE SKYRAIDERS *NOTE: DETAILS TENTATIVE

SEPT 26 COQUITLAM, BRITISH COLUMBIA

EVENTS: MOUSE RACE CLASS I, NW SPORT RACE SITE: UPPER COQUITLAM PARK SPONSOR: VANCOUVER GAS MODEL CLUB CONTACT: RON SALO (604) 279-0530, OR PAUL GIBEAULT (604) 525-1020

OCTOBER 3 RICHMOND, BRITISH COLUMBIA

EVENTS: CARRIER (ALL CLASSES), STUNT- TENTATIVE SITE: RICE MILL ROAD SPONSOR: PACIFIC AEROMODELERS CONTACT: MIKE CONNER (604) 465-7277

OCTOBER 10 SALEM, OREGON

"REALLY RACING"

DETAILS TENTATIVE

OCTOBER 11 SALEM, OREGON

"FALL FOLLIES"

DETAILS TENTATIVE



The Flying Flea Market

Classified advertisements — FREE for FL subscribers

FLYING LINES SUBSCRIBERS: THIS SPACE IS FOR YOU! SEND IN YOUR AD FOR SELL/SWAP OR FOR NEEDS. PLEASE INDICATE HOW MANY ISSUES AD SHOULD RUN. CHANGE YOUR AD AT ANY TIME.

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WANTED: ENGINE HEAD FOR HB .40 PDP (MADE IN GERMANY) 6 BOLT PATTERN-BAFFLE PISTON TYPE HEAD. CONTACT: MIKE MacCARTHY, PO BOX 788, GLEN ELLEN, CA 95442 PHONE: (707) 996-9528 FAX: (707) 996-0612

FOR SALE: ONE NEW AND ONE USED DYNA-JET, PLUS ONE SPARE TAILPIPE ALL FOR \$300. 2 EACH SHURIKEN .049 & EXTRA PARTS, ALL FOR \$200 BRUCE DUNCAN, PO BOX 58037, STN. L, VANCOUVER, BC. CANADA V6P 6C5

FOR SALE: P.A.W. DIESEL ENGINES AND ACCESSORIES FOR C/L NOSTALGIA DIESEL COMBAT. OVER 50 MODELS AVAILABLE IN CL AND RC FROM .033 TO .60 CU IN. SEND ONE DOLLAR FOR LIST TO: PAUL DRANFIELD, 32763 SIXTH AVENUE, MISSION, B.C. V2V 1Y8 E-MAIL: pdran@bc.sympatico.ca

FOR SALE: CONTROL LINE AND OLD TIME FF TANKS; SIZES 14CC TO 7 OUNCE. COMPLETE LINE OF FUELS, FAI (0%) TO 75%, AS WELL AS INGREDIENTS. BROCHURE \$1.00 CAROLINA-TAFFINDER, 8345 DELHI ROAD, N. CHARLESTON, SC 29406 TEL. & TAPE: (803) 553-7169 E-MAIL: DDTAFF@worldnet.att.com

WANTED: STILL LOOKING FOR SELECTED OLD CL SPEED KITS FOR COLLECTION. NEED HARTER'S DIZZY BOY & DIZZY BUG. ALSO, ANY AND ALL OLD JET KITS. MIKE HAZEL, PHONE (503) 364-8593

FOR SALE: NEW LIST AVAILABLE NOW FROM ZZ! PROP. FIBERGLASS & CARBON FIBER PROPS. 1073 WINDEMERE DRIVE NW, SALEM, OR 97304

The 1998 Regionals

A contest for every CL flier

■ The fabulous meet that just keeps getting better.

By John Thompson

From the competitors' standpoint, the 27th Annual Northwest Control-Line Regionals will look very similar to past events. But, through the course of the Memorial Day weekend, competitors and especially the many volunteer officials will experience an entirely new kind of contest.

The 1998 Regionals is being directed by a new organization with only one purpose — to put on the best possible control-line contest.

Members of the Eugene Prop Spinners and the Umpqua Valley Modelers have formed the Northwest Regionals Management Committee, which is assisted by volunteers from around the Northwest. This committee, financed by but independent of the two clubs, has been meeting since December to tie up all the loose ends of this massive contest long before the competitors arrive.

The magnitude of the task of putting on such a contest is beyond the imagination of the casual observer. Throughout the years, there have been many volunteer workers, but no one person or group actually had a handle on the entire operation. Finally, one group is in touch with all aspects: Promotion, field preparation, officials, equipment, T-shirts, banquet, concessions, public relations — you name it.

The contest continues to grow and evolve: This year the schedule is juggled again to reflect recent entry patterns, the circle arrangement has been adjusted to meet space demands of the various events.

A new event for kids has been added: Reed speed. The floatplane fun-fly pond is now part of a new permanent circle, so that interesting sideshow can go on all weekend. Diesel combat is now an official event and Northwest Sport Jet Speed makes its debut.

Most importantly, the committee has devoted new energy to arranging for officials and properly equipping each circle. The central equipment storehouse is being replaced by separate

equipment inventories for each event. Motel accommodations are being provided for officials coming from out of town. The list of improvements goes on and on.

Credit for the continued improvements go to Dave Shrum and his hard-working Umpqua Valley Modelers (many of whom are RC fliers who devote their time to helping out their CL brethren), Contest Director Craig Bartlett and the Eugene Prop Spinners crew of experienced Regionals experts, and a large number of unacknowledged workers, officials and helpers.

The Regionals has always been a big event, and it remains true to its roots and its guiding philosophy: to provide a top-level championship contest and at the same time offer something for every CL flier.

I guarantee that you'll enjoy this year's Regionals.

■ The myth of the 60% stunt entry, and other statistical irrelevancies.

George Orwell's "Animal Farm" comes to a sad end when the characters adopt a commandment that says, "All animals are equal — but some animals are more equal than others."

It's a seductive thought: Our CL event is more difficult, so we're better. Our event attracts more fliers, so we're better. Our event is faster, so we're better.

Thus we lately hear frequently repeated a statistical myth that apparently had its origins in last year's Regionals: Stunt fliers make up more than 60% of the Regionals entry. It's a statistic that has been used to suggest, among other things, that the circle space and time of some other events be restricted to make more room and time for stunt. It's also completely false.

I love stunt, and I love statistics, but I also love accuracy, and I love all CL activity. No event — not stunt, not racing, not combat, not speed, not carrier — is better than any other.

So, for what little it's worth, let's do the math again.

There were 39 individuals entered stunt competition at the 1997 Regionals, including those in precision aerobatics, Old-Time and Classic Stunt. Calculated as a percentage of the number of individuals entered in the overall contest, that comes to 38%. Still a healthy number and worthy of respect.

Where did the 60% figure come from? Our

guess is that someone divided the number of stunt event entries, 66, into the total number of individual entrants, 102. It's a calculation of two different things, yielding a meaningless result. The same calculation applied to racing yields the conclusion that racers accounted for 104% of the entries! In fact, there were 36 racers, 35% of the individual contestant field.

It is counterproductive to compare the entry in one event to the entry in another event, and to use it as an argument for restricting fellow modelers. Each year the contest adjusts as much as it can to demands placed on the facility by each event. Some events take more circle time — those such as stunt and carrier, in which the entries fly one at a time — than others, where the pilots fly simultaneously. What of it? We all have our needs and the contest tries to meet them.

Some events also contribute more heavily than others to the contest's finances. It's a meaningless argument, but take a look at it, just for perspective: The average stunt flier enters one to three events. That's an entry fee of \$20 to \$30 for the Regionals. The average racer enters one to eight events — an entry fee of \$20 to \$55. Some competitors, who may fly a combination of racing, speed and combat, for example, have paid up to \$65 in entry fees. (A footnote: This year's contest will have a \$40 maximum entry fee.)

Meaningless as they are, the entry numbers are interesting, so let's take a look at them, again just for perspective:

In 1997, 102 individuals paid for 264 event entries. Of that 264, racing accounted for 107 entries, or 40.5%. Aerobatics accounted for 66 entries, or 25%. Speed, 33 entries for 12.5%. Carrier, 24 entries for 9.1%. Combat, 20 entries for 7.5%. Scale, 17 entries for 6.4%.

The numbers this year undoubtedly will be different. One event will grow, another will decline. One event will need a little more circle time than last year, another will need less. Each event will get the attention and respect that it deserves.

And on Saturday night, we'll all get together for a party in the hangar as control-line fliers, enjoying one-another's friendship and support.

It's a CL world at the Northwest Control-Line Regionals. Not a stunt world, not a scale world.

We're all in the same circle together, sharing a hobby that pleases all of us in different ways.

Here's a statistic that would really mean something: CL modelers fly together in mutual respect and understanding, 100% of the time.

1998 California / Arizona Control Line Contest Calender

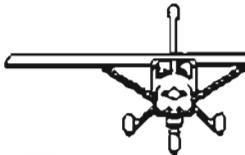
Prepared by: Fred Cronenwett (818) 718-5871

- Mar 26-29 - Vintage Stunt Championships in Tuscon, AZ, Call Joann Keville 602-985-3363
- April 5 - Bill Nusz Memorial Speed Contest, @ Whittier Narrows, CA, Joe Brownlee 714-895-1857
- April 19 - Blacksheep Fun Scale and 1/2a @ Sepulveda Basin, Call Tony Naccarato @ 818-842-5062
- May 22-24 - NW Regionals in Roseburg, Oregon - All CL events & Rise off Water CL special event Roseburg Airport, Oregon Call Craig Bartlett 541-745-2025
- June 6-7 - Knights Joust @ Whittier Narrows (AAA) - All CL events John Wright 562-420-9018
- June 27-28* - Bob Palmer Stunt meet at Sepulveda Basin, Call Tony Naccarato @ 818-842-5062
* Date Tentative...Call to confirm date!
- July 10-12 - CL Scale Nationals @ Muncie, IN - Call Mike Welshans at (248) 545-7601
- July 13-18 - CL Precision Aerobatics @ Muncie, IN - Unofficial events to be flown on July 13
- July 13-18* - CL Nationals at Muncie - * Call the AMA at (765) 287-1256 for more details
Speed: 13th-17th **Racing:** 13th - 17th **Combat:** 13th - 18th **Carrier:** 16th-18th
- Sept 5-6 - Rocky Mountain CL Championships, Denver, CO - Call Jim Brown (303) 343-3883
- Sept 19-20 - Cholla Choppers CL contest, All events @ Christopher Columbus Park, Tuscon, AZ, Call Robin Sizemore at 520-749-4434
- Oct 10-11 - 15th Annual Seebree Hayes Memorial AAA contest @ Whittier Narrows, All CL Events, 101st Squadron Screaming Eagles, Call Fred Cronenwett (818) 718-5871
- Oct 17-18 * - 20th Annual Golden State Stunt Championships, Clovis, CA
Call Bob Swan 209-298-2995 * Date Tentative...Call to confirm date !

The 27th annual...

Paul Agerter Northwest

Control-Line Regionals



May 22-23-24, 1998

The West's *biggest*
control-line model aviation event

IMPROVED SITE AND SCHEDULE!

With 41 events and 126 trophies, the Northwest Regionals provides the largest selection of control-line competition events and awards available in a single contest in the United States.

You can compete

in these great championship events:

- AEROBATICS — 4 PAMPA classes, Old-Time Stunt and Classic stunt!
- COMBAT — AMA, Slow, 1/2-A, 80-mph, Vintage Diesel (Shutoffs required in AMA, Slow and 80)
- NAVY CARRIER — Profile, Class I, Class II and .15 carrier!
- RACING — Mouse I&II, Rat, Slow Rat, Goodyear, NW Goodyear, NW Sport, NW Super Sport, Clown
- SCALE — AMA Precision, AMA Sport Scale and Profile Scale!
- SPEED — 1/2-A, 1/2-A Proto, A, B, D, FAI, Jet, Formula 40, .21 sport, .21 Proto, NW Sport Jet
- JUNIOR EVENTS — NWSR, Class I Mouse, Junior/Senior Reed Speed
- FLOAT-PLANE FUN-FLY — Sport, scale and Schneider flying on the new permanent pond!

Enjoy The Regionals at Roseburg Regional Airport!

Improved site with new circles both at the airport and the fairgrounds ... Ample parking
Camping and RV space ... Rest rooms ... On-site hobby shops ... Food concessions
Registration, vendors and modelers' meeting place inside an airport hangar!

Motels and restaurants nearby!

This area is noted for warm weather with low wind velocity!

TROPHIES ... MERCHANDISE PRIZES ... GRAND CHAMPIONSHIP TROPHIES

Camping and practice circles at Douglas County Fairgrounds, off Interstate 5 at Exit 123

A SATURDAY NIGHT SOCIAL EVENT

Be sure to check the back of the flyer for details of the new, improved schedule. The flying site at Roseburg Regional Airport is just off Interstate 5 Exit 125 in north Roseburg.

Contest Director Craig Bartlett, 205 N.E. Cedar Lane, Corvallis, OR 97330
(541) 745-2025

The Paul Agerter Northwest Control-Line Regionals

Roseburg Regional Airport, Roseburg, Oregon

SCHEDULE OF EVENTS

<u>FRIDAY</u>	<u>SATURDAY</u>	<u>SUNDAY</u>
Speed (all classes) 10-6	Mouse Race I (Jr.) 8:30 a.m.	Prec. Aerobatics * 8:30 a.m.
Scale floatplane flights † Noon-4	80-mph Combat 8:30 a.m.	Scale (all classes) 8:30-4
	Carrier (all classes) 8:30-5	Floatplanes † 8:30-5
	Speed (all classes) 8:30-5	AMA Combat 8:30 a.m.
	Floatplanes † 8:30-5	Goodyear 8:30 a.m.
	Old-Time Stunt * 9 a.m.	Slow Rate Race 9:30 a.m.
Slow Combat Noon	Scale static judge 9 a.m.	NW Sport Race (Jr.) 10:30 a.m.
Diesel Combat # After Slow	Mouse Race I (SO) 10:30 a.m.	NW Sport Race (S-0) 11 a.m.
Northwest Goodyear 12:30	Classic Stunt * 12:30 p.m.	
Carrier (all classes) Noon-5	Mouse Race II Noon	NW Super Sport 2 p.m.
Flying Clown Race 2 p.m.	1/2-A Combat 2 p.m.	
	Rat Race 2 p.m.	

SCHEDULE NOTES

Registration is open Friday from 9 a.m.-5 p.m., Saturday and Sunday 8 a.m.-noon. Early entry encouraged.
* Precision, Old-Time and Classic aerobatics entrants and scale entrants check at registration for meeting info.
Diesel combat will be flown in five rounds beginning Friday and continuing all weekend as time allows.
† Float Plane: Scale entries in regular scale classes will be flown on Friday.

RULES INFORMATION

- AMA events are per 1996-97 rule book, except as noted below. **Know the rules!**
- Official Northwest Rules will be used for the following events: *NW Sport Race, NW Super Sport Race, Northwest Goodyear, Flying Clown Race, .15 Carrier, 80-mph combat, Northwest Sport Jet Speed*. For complete rules, write John Thompson, 2456 Quince St., Eugene, OR 97405. **Not knowing the rules is no excuse — get your copy now!**
- **COMBAT** — All events except Diesel flown double-elimination. **FLYAWAY SHUTOFFS REQUIRED for AMA, 80mph and slow combat.** Shutoffs subject to ground test; any flyaway in which shutoff fails to work will result in disqualification. For Vintage Diesel Combat rules, contact Combat Director Jeff Rein, 14326 102nd Ave. N.E., Bothell, WA 98011.
- Precision Aerobatics Model Pilots Association rules will be used for *Old-Time Stunt* and *Classic Stunt*. North American Speed Society rules will be used for *.21 proto*. Write appropriate organizations for rules.
- *Reed speed rules*: Any Mouse Race I-eligible plane, Mouse I lines, timing for 10-laps.
- *Navycarrier* — Mufflers optional. No tuned pipes, Magic mufflers OK.
- **Safety thongs required in all events.**
- Contestants may at some times be required to assist in timing or judging.

OTHER INFORMATION

- For information about floatplane activities, call Dave Shrum, (541) 672-8893.
- AMA or MAAC membership required for all participants. AMA membership available at registration.
- Only participants and officials allowed in flying areas. All others must stay outside roped-off or restricted areas.
- Absolutely no alcoholic beverages on flying field during meet hours.
- Awards — Trophies and merchandise through third place in each event and age grouping, and first- through third-place grand championship trophies. **Approximate value of awards: \$3,000.**
- Overnight camping and RV space is available on or near site. Rest rooms, restaurant, etc., are nearby. Food concessions and hobby shops will be on site most of each day.

FOR MORE INFORMATION, CONTACT:

Contest Director Craig Bartlett, 205 N.E. Cedar Lane, Corvallis, OR 97330 — (541) 745-2025

NORTHWEST FIREBALLS
PRESENT THE
SPRING RACING TUNE-UP
AT
EAST DELTA PARK
PORTLAND, OREGON
EVENTS TO INCLUDE

MARCH 28, 1998

RACING TO BEGIN AT 10:00 am.

MOUSE CLASS I.....(JSO)
NW SPORT RACE.....(JSO)
NW SUPER SPORT RACE.....(JSO)
NW FLYING CLOWN BEGINNER.(JSO)
NW FLYING CLOWN EXPERT.....(JSO)

A.M.A. Sanctioned Event Number 80421

Open entry fee is \$5.00 for each event and a **maximum** of \$15.00, junior/senior entry fee is \$5.00 each event and a **maximum** of \$10.00.

All events will be flown **two heats** and a final. The top **four combined** heat times will make the final in each event, and **two** final races will be flown two up (NW Sport Race flown one final race, 4 up) in each event. **Safety Thong** required in all events.

Prizes table goodies including a Super Sport **K&B .40** (NIB), **Mecoa .15** (NIB), kits, fuel, and a whole slue of dope and supplies; to be given to the top **four** junior/senior contestants **overall**, and the top **three** open contestants **overall**. Overall standings determined by points accumulated in final event finishes. Points will be awarded **three** points for each **first** place finish, **two** points for each **second** place finish, and **one** point for each **third** place finish.

Beginner Clown is restricted to those competitors who are **not** members of the Flying Lines "**200 Lap Club**," entry in **Expert** Clown is completely unrestricted.

If you have any questions please contact the **Contest Director**, Gary Harris at (503) 324-3450, or Mark Hansen at (503) 234-1971