

LIFE

IN THE SHOP

DR. CLAW
CLAMPING DOWN ON
THE DISTRICT CHAMPIONSHIP

March – April 2014

2471

AN UPDATE FOR OUR SUPPORTING COMMUNITY

TEAM MEAN MACHINE 2014 CALENDAR

APRIL

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

APRIL 10-12th – PNW District Championship

Held at the Veteran Memorial Coliseum in Portland, OR, the District championship is a competition where the top 63 teams from the Pacific Northwest compete for one of the 24 spots to qualify for the World Championship.

APRIL 20th – Easter Egg Hunt

We operate a robot called “Sir Launch-a-Lot” at the Camas community park to scatter eggs for the kids there.

APRIL 24-26th – World Championship

The World Championship, held in the Edward Jones Dome in St. Louis, includes teams from China to Brazil. We will be flying down on Wednesday the 23rd to compete.

APRIL 29th – HP Demonstration

We will be showing off Dr. Claw, our newest robot, at HP for a special event on the 29th!

JULY 25-26th – Camas Days 2014

Camas Days is a local festival and parade that Mean Machine participates in. The parade will be on the 26th.

STUDENT SPOTLIGHTS

Alejandra Rafful

This year, Mean Machine accepted two outstanding exchange students as new members to the team. The first, Alejandra, came from Mexico. The second, Anthony, came from France.

Alejandra, our first student, moved from Coatzacoalcos, Veracruz in Mexico to Washougal. At her new high school, she read about an FRC team through her school's list of extra-curricular activities. Upon a quick inquiry to her principal, she was given the address of our shop. Soon after, she came to her first meeting. Originally, Alejandra wasn't mechanically inclined. She had enjoyed dancing on a competitive level and hanging out with her friends on the weekends back in Coatacoalcos. Robotics changed that. She found that she enjoyed shop life and robotics as a whole.



“Inspiration from Overseas”



Anthony Dailly

Anthony learned about Team Mean Machine from the family that he is currently residing with. His “host brothers”, Azriel and Cairo were already on the team, but being from Chasselay, France, he had no idea what FRC was, simply because there isn't an FRC team in his country. Build season is now his favorite part. He finds it fascinating that teams must build a robot to compete in a specific game, in a set period of time, with set limitations on characteristics of the robot's design. He is currently competing as the human player for Mean Machine's drive team. In addition to his current jobs on the team, he is also working on bringing FIRST to France by starting a team in his home town, Lyon, France. In this way, he will promote science and technology in Europe and one day bring his team to compete in the United States. We hope that someday we will see his team work alongside us at the world championship.

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Murray Edelman
Hockinson High School
Camas High School ASB
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Foundation
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Boeing

Introducing

DR. LAW

Our 2014 Robot

PVC Pipe Catcher

Who said PVC couldn't look this good? Our catcher provides great functionality as well, slowing balls just enough for our claw to clamp down.

The "CrossBow"

Our Shooter packs a powerful punch, loaded with three rubber bungees that launch the ball in cross-court shots over the truss. Nicknamed for it's deadly accuracy.

Speedy Intake

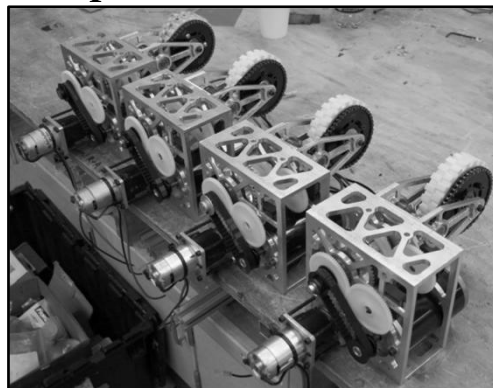
These side-by-side intake rollers add both speed and style, featuring 4 VEXpro traction wheels and 2 AndyMark Fisher Price motors.

Swerves

Innovative design has created a new level of maneuverability for this year's Mean Machine. Independently driven wheels offer more speed and traction than ever before.



Independent Swerve Modules



TAKING ON THE COMPETITION



Champions! The team celebrates after our Oregon City District event



Bryce, Natalie (Alumni), Ryan, and Anthony (Foreign Exchange) hanging out before a match



Parents, Mentors, and Scouts all waiting for the next exciting match

The FRC competition theme this year is Aerial Assist, which places huge emphasis on teamwork. Team 2471 created a claw robot that allowed them to pick the ball up off the ground and score high and low goals. The robot was nicknamed 'Dr. Claw', after a character in *Inspector Gadget*, and its reveal video was met with comments such as "the claw is the law" and "the doctor is in".

Team Mean Machine's first district this season was in Oregon City. Opening ceremonies revealed the cofounder of FIRST, Woodie Flowers, who announced that Team Mean Machine's very own head mentor Bruce Whitefield to be a nominee for the Woodie Flowers Award, an award created to recognize outstanding mentors. After qualifications the day before, team 4488, Shockwave, and Team Mean Machine joined in an alliance, then welcomed team 3674, Cloverbots. They created an efficient system of getting points through passes, and quickly reached finals. In a two-one win, the alliance took the trophy. Two weeks later, Team Mean Machine travelled to Wilsonville, where they reached the first round of elimination with team 2811, Stormbots (Skyview) and team 4662, Tribal Tech, (Scappoose) before falling short due to robot malfunctions. Even though they did not get first place, they managed to win the Industrial Safety Award

through the hard work of the safety division, headed by Junior Romney Kellogg of WHS, and the Innovation in Control Award for programmers, headed by Senior Griffen Gorsuch of CHS. On April 9, the qualification rounds began for the Autodesk Pacific Northwest FRC District Championships. Team 2471 was paired with tough alliances, and lost multiple games the first day. The second day of qualifications brought on a smashing to the robot, which inhibited the robot. The team had a win-loss record of 6-5, with Dr. Claw averaging a score of 75 points per match. The Safety Culture award was earned by the safety division, and was actually also won at the Oregon City districts. When alliance selections came around on Saturday, Team Mean Machine was in 44th place, but the alliance captain of slot eight, team 955, Raiders, chose the team to join them in the quarterfinals, along with team 847, NRT. Unfortunately, despite great effort from the drive team made up of Gorsuch, Croucher, Senior Ryan Berg of HHS, and Sophomore Anthony Dailly of HHS (a foreign exchange student from France) the team did not make it to finals. But the team did qualify in the top 24 teams out of over 150 in the Northwest to go to the FRC Nationals, happening this weekend in St. Louis, Missouri.

SPONSOR SUPPORT

During the summer months, we don't have much on our calendars. If you would like to have a demonstration at your company, or know of any event that we could show off Dr. Claw at, give us a call!

Bruce Whitefield: 360-952-2471

AWARDS

District Champion – Oregon City

Quarterfinalist – Wilsonville

Championship Quarterfinalist – Portland

Woodie Flowers Nominee – Bruce Whitefield

Dean's List Finalist – Bryce Croucher

Industrial Safety Award – Oregon City

Safety Culture Award – Wilsonville and Portland

Innovation in Control – Wilsonville

Qualified 23rd of 150 teams in the Northwest

WATCH US @ WORLDS!

You can find our team on the Galileo Field at the world championships. The link to watch us is:

www.thebluealliance.com/gameday

Pick the Galileo Field Webcast, sit back, and watch the matches!

2013-14 OFFICERS & MENTORS



Azriel - President



Jessica - Treasurer



Bryce - Captain



Jonah - Secretary

Head Mentor – Bruce Whitefield

Business Mentor – Debby Thornley

Programming Mentor – Carlo Calica

Mechanical Mentor – Bud Hayes

Mechanical Mentor – Bob Croucher

Mechanical Mentor – Roy Thornley

Camas Faculty Advisor – Henry Midles

Hockinson Faculty Advisor – Eirik Huset



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