

Show Code

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Results for Pack 180 2018 Pinewood Derby

Rank winners - advance to district finals on Sat Feb 17

Let us know ASAP if you cannot attend so we can notify the next runner up

- Tiger - Luca Silvio, "Wild Krats"
- Wolf - Brendan Winnike, "Green Lightning"
- Bear - Jacob Caylor, "The Hulk"
- WEBELOS - Joshua Hiebert, "The Rail Zeppelin"
- AOL (formerly "WEBELOS II") - no enterants this year ### Golden Eagle Pinewood Derby info <http://www.goldeneaglekc.org/pinewood-derby> (<http://www.goldeneaglekc.org/pinewood-derby>)
- Note there is a \$7 fee to cover their costs (includes a fee the school charges for janitorial services)
- The Wildcard (Austin Edmunds/SilverBullet) actually beat the the top Wolf finisher in the Finals. The pack recognizes the 1st place finisher in the Primaries as the pack's representative in the Golden Eagle District Finals. The Wildcard slot was added to try to balance the case where one rank fielded more than one stong contender compared to the other ranks. We should consider this further, and make sure this case is spelled out to avoid any confusion in the future. Drawing parallels to football, the Wildcard by definition does not win their division, but may advance to the Superbowl. Thoughts?

Race highlights

- Apologies - I didn't get information on who won the Best In Show voting.
- Joshua Hiebert's "The Rail Zeppelin" is based on German prototype, record-fast rail engine. Read all about it [here \(https://en.wikipedia.org/wiki/Schienenzeppelin\)](https://en.wikipedia.org/wiki/Schienenzeppelin). I hope to see a working version of The Rail Zeppelin at next year's derby!!
- Some graphs and other data from the races are farther down
- The Rail Zeppelin and the CO2-powered 'Bad Idea' raise the question of "Open" vs. "Outlaw". My suggestions for future races:
 - Set up for the derby in the morning
 - Host open **and** outlaw races for scouts, parents, and family to participate as a separate event that afternoon
 - This would be a separate event for those interested in participating.
 - Start at/around 3p so participants may attend 4p mass
 - Gives us a chance to shake out any last-minute issues before the main event
 - Shortens the main event, which we should try to keep well under 2 hours
 - Open Division would follow the rules

Issues/improvements

There were a couple of glitches that slowed things down, both addressed for next year:

- The auto-refresh was broken, slowed things down. This has been fixed, and will be tested before race day.
- I lost an hour during setup due to an easily-avoidable router issue. This also invalidated the registration link.
- Car image size was slowing down browser rendering (not sure anyone else even noticed this). Cause was due to a change in devices used to capture photos this year (phones vs. an old tablet). This has been addressed for next year - phone images will be auto-optimized
- The registration form is now mobile-friendly (they had to zoom in/out a lot before this)
- will have several people helping with registration
- registrars will bring fully-charged phone or other device
- We were short on volunteers at registration. Next year we'll push harder to fill these slots.
- Open Division - I think we missed some cars in this race. If you didn't get to race, see Michelle Quintero for a refund.
- Need one or two vocal adults &/or boy scouts to MC & lend sportcaster-type color/commentary

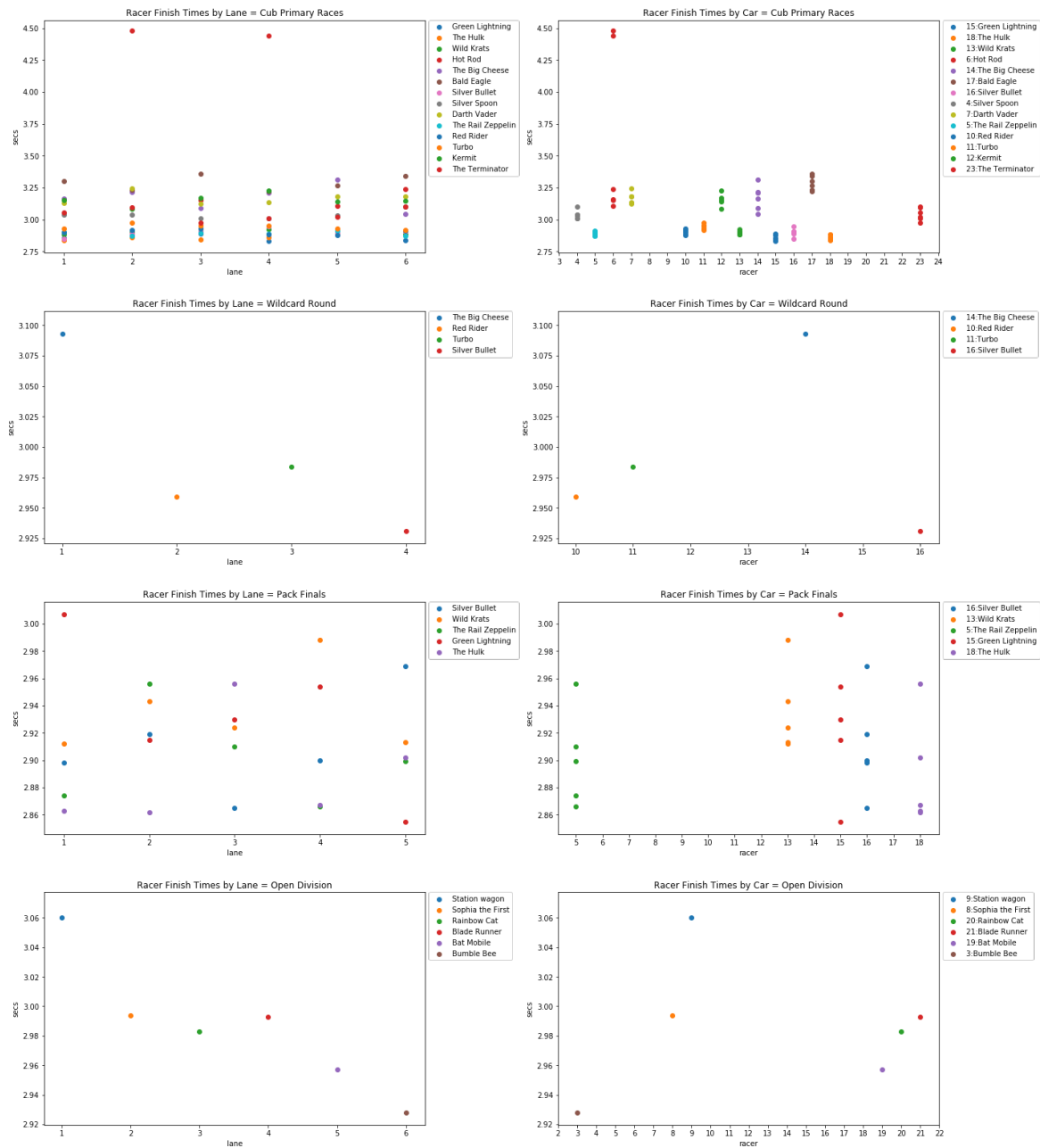
THANK YOU VOLUNTEERS!!!

1. Troop 180 Boy Scouts who helped run the event: A.J. Caylor, Aidan Edmunds, Gavin Jones, Jacob Laake, Patrick Winnike
2. Thanks to Shelly and Alan Hiebert, who helped register cars
3. The Quinteros for running the concession stand
4. The Rod, Paul, Siobhan Leinen, & Matt Edmunds who set up the track

Here are some photos from the race and workshop. I only took a few at the races, no time! <https://photos.app.goo.gl/9X3RBULjGHX7uWWg1> (<https://photos.app.goo.gl/9X3RBULjGHX7uWWg1>)

- Be sure to check out the array of **amazing** Leinen cars. This year's addition was the red kraken, built by Paul Leinen, made from two pinewood bodies and a space derby body!
- You will know a Bad Idea when you see it :-)

Pack 180 Pinewood Derby, January 20, 2018



Here are some additional notes and numbers:

- Colt's Races were Colt vs. 5 chase cars, to collect finish times for each lane. The race program has a feature to shuffle in late arrivers for this exact scenario, but I forgot all about it.
- We were running behind due to a few technical glitches, so we shortened the wildcard and open division races. I am always keenly aware that some folks get impatient with the race pacing when things aren't going smoothly, so tend to help hurry things along, for better or worse. Looking back on the event, I'm not thrilled having done that, as racers lose out on additional races (and my pretty graphs have less data!), and a few extra races don't take a lot of time to run. I hope that didn't cause any disappointment with the boys.
- Just like previous years, **the fastest cars are also the most consistent cars**. This is especially clear in the graph at top-right, for the pack primary races by racer. I'm sure if we ran more runs on the wildcard and open division, we would see the same thing.
- Car #6 (Hot Rod) had a pair of particularly bad runs. These were the first two runs, so whatever the issue was, it must have fixed after that.
- Not captured in this data was Greg William's pack 180 land-speed record holder of 1.1 seconds. What a cool car!

Race: Cub Primary Races

Lanes in use: 6
Number of race participants: 13
Overall race stats:
 Fastest run time: 2.832 seconds
 Fastest run speed: 345 MPH
 Average run time: 3.051 seconds
 Average run speed: 322 MPH
 Slowest run time: 4.478 seconds
 Slowest run speed: 217 MPH

Race: Colt's Races

Late entrant races against 5 'ghost cars'

Lanes in use: 6
Number of race participants: 6
Overall race stats:
 Fastest run time: 2.884 seconds
 Fastest run speed: 339 MPH
 Average run time: 3.146 seconds
 Average run speed: 313 MPH
 Slowest run time: 3.665 seconds
 Slowest run speed: 270 MPH

Race: Wildcard Round

One run

Lanes in use: 4
Number of race participants: 4
Overall race stats:
 Fastest run time: 2.931 seconds
 Fastest run speed: 335 MPH
 Average run time: 2.992 seconds
 Average run speed: 328 MPH
 Slowest run time: 3.093 seconds
 Slowest run speed: 318 MPH

Race: Pack Finals

Lanes in use: 5
Number of race participants: 5
Overall race stats:
 Fastest run time: 2.855 seconds
 Fastest run speed: 343 MPH
 Average run time: 2.914 seconds
 Average run speed: 336 MPH
 Slowest run time: 3.007 seconds
 Slowest run speed: 327 MPH

Race: Open Division

Lanes in use: 6
Number of race participants: 6
Overall race stats: