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SWEEPSTAKES '17

97 YEARS OF BUGGY

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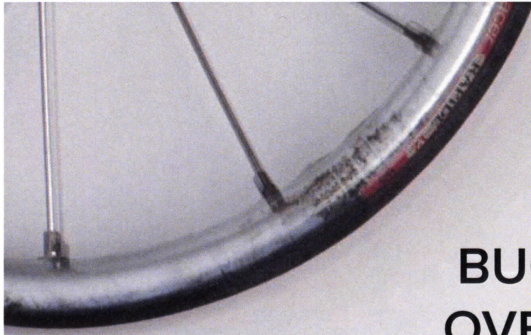
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HISTORY OF BUGGY

At 9:30 AM on May 14, 1920, with what a witness called a conglomeration of rain barrels, orange crates, and ash cans with wheels, the iconic sport of Sweepstakes, more commonly known as Buggy, began its 97-year history. A dozen box-like push-mobiles with male drivers inside lined up on the street that used to run between Hunt Library and Baker Hall. Each buggy was propelled towards Schenley Park by a pusher who rode on the back of the buggy for the downhill portion of the course. At the bottom of the hill was a pit stop, where the pusher switched places with the driver and the mechanic had to swap the rear two wheels to demonstrate the buggy's mechanical prowess.

In 1921 the founders of Buggy eliminated the pit stop. Instead, a design competition was created to judge the mechanical features of the buggies. When it became mandatory in 1922, buggies like Delta Upsilon's enormous fish became obsolete and mechanical perfection became the new goal. Teams reached unprecedented speeds when two extra pushers were added the same year, and from 1925 onward, the race was run in heats to reduce collisions. In 1926 a fifth pusher was added to each team, and In 1928, Frew Street was extended, making the Buggy course what it is today.



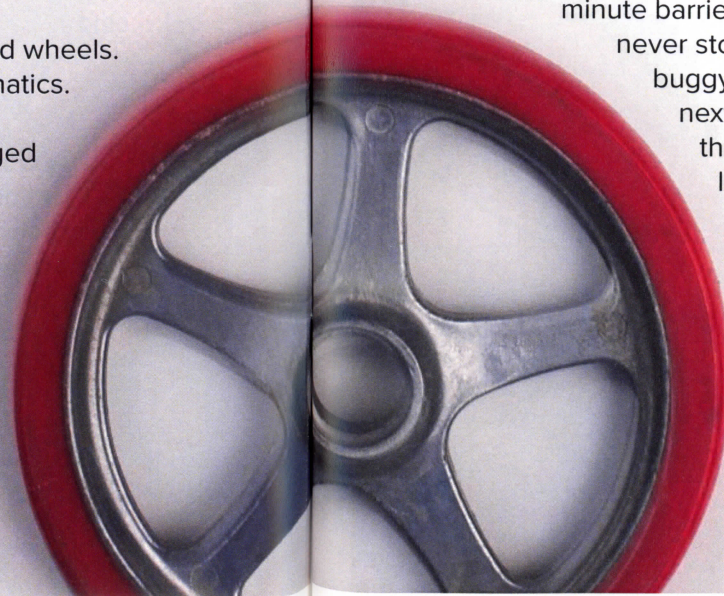
BUGGY DESIGNS OVER THE YEARS

As the years progressed, buggies became lighter and more aerodynamic. Buggies began to follow innovations in materials science and mechanical engineering closely as early as the 1930's.

After World War II, aluminum remained the building material of choice but required sophisticated production techniques. Fiberglass composites became the construction standard through the early 80's due to their ease of use, and carbon fiber crept into the buggies in the late 80's starting with Spirit's buggy Quantum Leap. Teams have worked at perfecting their composite technology since then, adding core materials and reducing weight. These days, a well-made carbon fiber shell can weigh less than 9 pounds.

HISTORY OF WHEELS

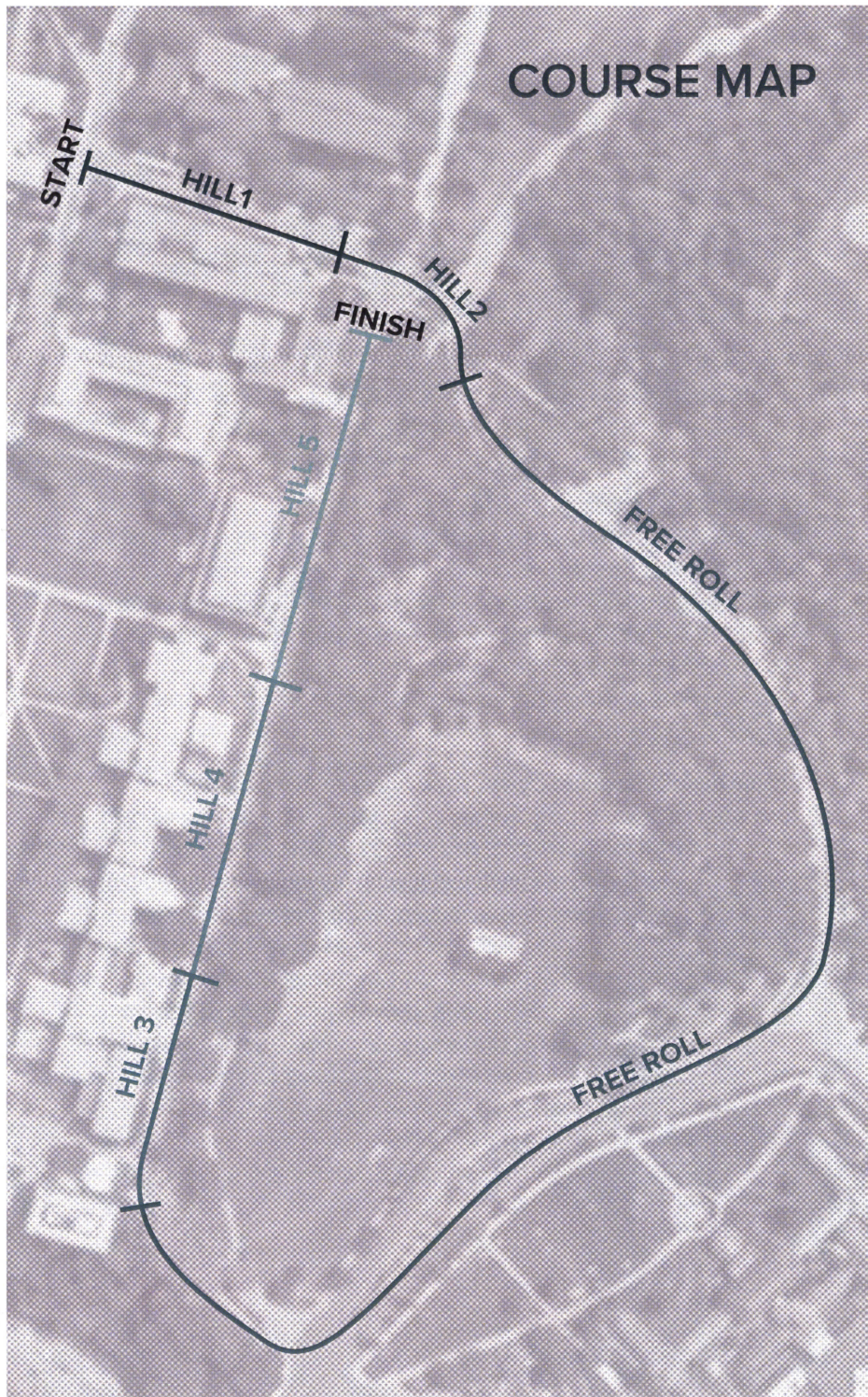
A light buggy, however, is nothing without good wheels. Prior to World War II, most wheels were pneumatics. Starting in 1947, Soap Box Derby wheels were used, until the early 80's when the hubs changed from steel to plastic and were deemed unsafe for Buggy. Many teams adopted off-the-shelf solutions like the Panaracer wheel chair wheels and Xooter scooter wheels. Other teams made custom wheels out of rubber or polyurethane and saw improvement over stock wheels.



Around 2010, Zero Error Racing began offering over-the-counter, high-quality polyurethane wheels. These wheels have become the standard today for any team looking for fast wheels without having to cast their own.

2017

Better aerodynamics, closer race lines, faster pushers, swankier racing stripes... what will it take to break the two minute barrier? Even if it is broken, teams will never stop innovating. Having a fast enough buggy to roll past hill 3 might just be the next milestone, who knows? The weather this year has been much better than last year, allowing for more rolls. New buggies have rolled in, and teams have been pushing all year round, so you can expect exciting heats this year!



COURSE MAP

BUGGY TERMS

Buggy

1. A vehicle built, operated, and pushed by CMU students for the races held during Carnival.
2. Commonly held name of the Sweepstakes race and the sport in general.

Capability Test

Also known as 'capes', a braking test where buggies must stop within a set distance at 15 mph.

Chute

The tight right-hand turn (halfway through the course) from Schenley Drive to Frew Street.

Drop Test

A test of each buggy's braking system; performed before every day of rolls and after each race.

Freeroll

The mostly downhill portion of the course, during which the buggy is freely rolling.

Heat

A time slot on Race Day where up to three teams race against each other at the same time.

Hills

Term for the uphill portions of the course, divided into five sections, each with an individual pusher.

Pushbar Rule

The Hill 5 pusher must have a hand on the buggy as it crosses the finish line.

Rollout

Distance the buggy travels up Frew Street after the chute before the Hill 3 pusher catches up.

Rolls

Weekend practices held from 7am-9am (weather permitting) throughout the year leading up to Race Day.

Spinout

Act of losing traction while going through the chute, resulting in the buggy spinning.

THE TEAM

Every team has these following members.

Driver

Typically a short, lightweight person courageous enough to pilot the buggy around the course.

Mechanic

Builds, maintains, and manages their team's buggies year-round, the off-the-track heroes.

Pusher

The athletic force behind every buggy on the course. Five are required for each buggy on race day.

Flagger

Holds landmarks for their team's drivers to help them navigate key turns. Drivers can't see much so low to the ground.

Catcher

Stops the buggy after it crosses the finish line. Usually also a mechanic.

Follow Car

A vehicle that follows the buggies, for immediate response in case of a crash. During heats, contains judges and crew.





A DRIVERS'S TALE

by Samantha Wong (APEX)

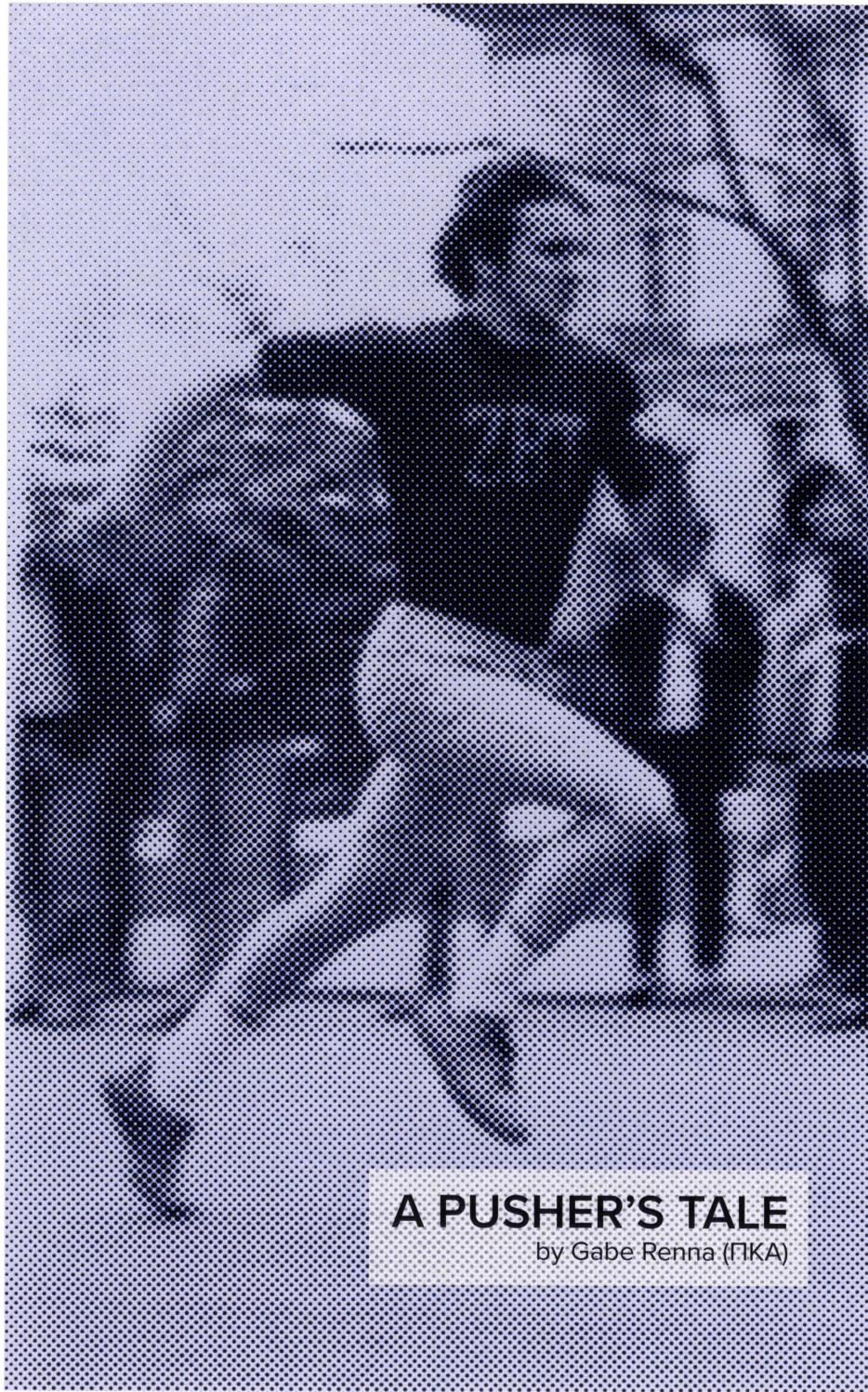
"Why do you drive buggy?" - this is a question I get asked frequently, and often ask myself as the alarm rings at 4:15 am.

I think there are a couple of obvious reasons, namely the adrenaline and the perks of being a driver. As a roller coaster enthusiast, I love the thrill of accelerating down the freeroll. And, for the first time in my life, I'm treated like royalty because of my short 4' 11 3/4" stature. Instead of being asked, "how's the weather down there?" or if I want a kids' menu, I am now a key member of this crazy sport. Without me, there is no race (Atlas and Robobuggy - I refuse to let my job be taken by a robot!). I get my own drawer in the shop and, maybe my favorite privilege of all, I don't have to push a buggy - I tried it once, and swore never, ever again.

However, the thrill and glory aren't entirely what motivate me to get up before dawn every weekend. There are so many other moments that make being a buggy driver something I love having part of my identity at CMU. Whether it's eavesdropping in the buggy as people forget that I'm there, or climbing in backwards to help build and maintain the buggies that I drive, I love every little once-in-a-lifetime experience that being a driver offers.

There are also the moments of craziness and hilarity that bond me to my team in the most random and familial ways, from driving a buggy temporarily and affectionately named "Kyle" to coasting up hill three only to slowly roll backwards as my pusher realizes that it's indeed their turn.

I love the way that buggy has been able to put my often-limiting size on a pedestal and gives me the rare opportunity to be a racecar driver. However, it's the small, crazy, and hilarious moments that are so quintessentially buggy that keep me coming back every week.



A PUSHER'S TALE

by Gabe Renna (ΓΚΑ)

You warm-up, most likely away from the crowd that is Carnival. I prefer the track by the football field, but everyone has their own spot. Music pumps through your ears from headphones from that favorite warm-up playlist. You go through your routine of slowly warming up the muscles and then stretching them. Your teammates give you an occasional pat on the back and you have a quick discussion with your hill two about when to push off to him. You check your watch and slowly round up everyone to head back to the trucks, your hills, and the competition. The moment that you have been training for during cold weekend mornings and black weekday nights is minutes away as you mingle around the back of the truck that houses your team and buggy. Finally, the call for your heat comes over the speakers and the mechanics and buggy driver go into final preparations and then you hear, "buggy out". You back up a few paces to let your team carry the buggy out of the truck and the adrenaline slams into you. This is it. You follow your buggy as it makes its way to the start line. The crowds part to make way. You are seconds away from starting. 10... 9... 8... 7... The countdown begins and your buggy is placed at the start line with your hands bracing it. 6... 5... 4... You brace your feet, grinding your back foot into its position and wait. 2... 1... Beeeep.

That is my experience every Carnival during the race days. It is exhilarating and one of my unique experiences of Carnegie Mellon. To start, I had no clue what Sweepstakes or buggy was when I decided to attend Carnegie Mellon. My first introduction to buggy was as a brother of Pi Kappa Alpha during our first night practice of the 2014 buggy season when they rolled out this black torpedo thing and told me to push it. As a competitive athlete, I was hooked, as it was another avenue to compete against other organizations and even against my own fraternity brothers as I worked to make "A" team. Over the years, I have become more and more ingrained in a sport that is unique to Carnegie Mellon. It is an amazing experience and the highlight of my buggy career so far has been sweeping both King and Queen of the Hill my sophomore year with the hill one of our women's team. I look forward to my last year and running for the course record and first place one more year.



A MECHANIC'S TALE

by Ray Galeza (SDC)

There's nothing in the world like buggy, and as a mechanic I get a behind-the-scenes peek at what makes it unique.

Buggy racing is like no other engineering challenge, and no student comes totally prepared for it. A mechanic isn't interested in just meeting requirements or minimizing effort; quality is all that matters, and you'll do anything to make a buggy just a little bit faster or safer. We also have many decades of failures, successes, and wisdom to learn from, but it's our responsibility to push all of that further. If you start to feel content, you'll quickly be passed by.

Being a mechanic is nothing like just another hobby or activity, and few of us probably knew what we signed up for when we joined. It's never just something I 'have' to do, even if it's not always what I 'want' to do – it's a true commitment that I wouldn't want to miss a minute of. During those early rolls or late-night work sessions, I've thought "I can't believe I'm having a good time doing this" more times than I can count.

Finally, a buggy team is like no other group of friends. I have immense trust and respect for my fellow mechanics, and there's no one I'd rather be with as I do all of the ridiculous things a mechanic has to do. There must be something special about the bond between my team members, or they'd all be gone after my constant barrages of bad jokes.

There's nothing in the world that could replace buggy for me. And at times when just about anyone would rather be sleeping, I only want to make our buggies fast and safe.



Year	Team	Time	Year	Team	Time
2016	SDC	02:03.1	1987	Spirit	02:11.3
2015	SDC	02:12.4	1986	PiKA	02:08.7
2014	SDC	02:04.5	1985	SigNu	02:09.1
2013	SDC	2:04.987	1984	PiKA	02:09.5
2012	SDC	02:05.8	1983	PiKA B	02:09.0
2011	Fringe	02:05.1	1982	SigNu	02:11.5
2010	Fringe	02:07.5	1981	CIA	02:10.5
2009	SDC	02:03.3	1980	PiKA	02:16.4
2008	PiKA	02:04.3	1979	Beta	02:18.4
2007	PiKA	02:07.4	1978	Beta	02:23.4
2006	PiKA	02:07.3	1977	PiKA	02:17.8
2005	PiKA	02:07.9	1976	PiKA	02:23.3
2004	PiKA B	02:11.7	1975	PiKA	02:19.3
2003	PiKA	02:10.1	1974	SigNu	02:21.4
2002	PiKA	02:09.2	1973	PhiKap	02:25.4
2001	Fringe	02:09.1	1972	PhiKap	02:24.0
2000	PiKA	02:07.4	1971	PiKA	02:28.5
1999	PiKA	02:09.7	1970	PiKA	02:28.5
1998	Spirit	02:09.5	1969	Beta	02:29.6
1997	Spirit	02:11.9	1968	PiKA	02:20.9
1996	PiKA	02:08.1	1967	PiKA	02:24.8
1995	PiKA	02:09.98	1966	Beta	02:27.8
1994	PiKA	02:09.2	1965	Beta	02:28.7
1993	Spirit	02:10.4	1964	Beta	02:31.5
1992	Spirit	02:07.4	1963	PiKA	02:34.0
1991	Spirit	02:10.6	1962	ATO	02:27.5
1990	PiKA	02:07.1	1961	ATO	2:27.2
1989	Spirit	02:06.6	1960	ATO	02:34.5
1988	Spirit	02:06.2	1959	PIKA	02:29.7



Year	Team	Time	Year	Team	Time
1958	ATO	02:28.4	1925	KapSig	
1957	ATO	02:25.0	1924	KapSig	
1956	ATO	2:25.0	1923	KapSig	
1955	ATO	02:26.0	1922	SAE	04:30.0
1954	ATO	2:28.1	1921	ISD	04:38.0
1953	ATO	02:30.6			
1952	DTD	02:36.0			
1951	DTD	02:41.6			
1950	DTD	02:41.8			
1949	DTD	02:42.5			
1948	DTD	02:48.0			
1947	DU				
1946	DTD	02:49.0			
1941	KapSig	02:55.0			
1940	KapSig	02:53.0			
1939	KapSig	02:44.0			
1938	KapSig	02:43.0			
1937	KapSig	3:00.0			
1936	KapSig	02:46.8			
1935	Beta	02:47.2			
1934	KapSig	02:49.7			
1933	Beta	02:48.5			
1932	Beta	02:54.8			
1931	DTD	02:59.0			
1930	Beta	02:57.5			
1929	PhiKap	03:05.6			
1928	KapSig	03:04.4			
1927	KapSig	03:15.8			
1926	PiKA	03:18.3			

WOMEN'S TIMES

1979 — 2016

Year	Team	Time	Year	Team	Time
2016	CIA	02:31.1	1987	Spirit	02:37.3
2015	CIA	02:35.6	1986	Spirit	02:38.8
2014	SDC	02:33.5	1985	CIA	02:45.5
2013	SDC	02:32.6	1984	PiKA	02:48.6
2012	SDC	02:30.9	1983	CIA	02:46.5
2011	SDC	2:34.96	1982	CIA	02:49.3
2010	Fringe	02:40.6	1981	SDC	03:04.1
2009	SDC	02:25.6	1980	CIA	03:06.3
2008	SDC	02:28.8	1979	SDC	3:11.00
2007	SDC	02:31.0			
2006	PiKA	02:38.5			
2005	Fringe	02:37.9			
2004	PiKA	02:29.8			
2003	Fringe	02:44.8			
2002	PiKA	02:30.6			
2001	Fringe	02:34.7			
2000	SDC	02:35.8			
1999	PiKA	02:45.9			
1998	PiKA	02:43.3			
1997	Spirit	02:37.8			
1996	Spirit	02:35.9			
1995	Spirit	02:33.0			
1994	PiKA	02:42.8			
1993	PiKA	02:38.7			
1992	Spirit	02:33.5			
1991	PiKA	02:37.3			
1990	PiKA	02:36.3			
1989	Spirit	2:36.99			
1988	PiKA	02:40.0			

SWEEPSTAKES

PAST CHAIRMEN

2016	Edward Cho	1986	Gretchen Von Grossmann
2015	Elon Bauer	1985	Luan Denny
2014	Lars Wander	1984	Nancy Burns
2013	Josh Hixson	1983	Sandy Ruscini
2012	Anthony Pacella	1982	Elaine Andrysick
2011	Chris Shellhamer	1981	May Slava
2010	Jessica Thurston	1980	Janet Danek
2009	Andrew Hundt	1979	Marianne Dwyer
2008	Mizel Djukic	1978	Gerd Beckmann
2007	Mike Rem	1977	Mark Gardner
2006	Arnold Oh	1976	Joan Bothwell
2005	Sara Player	1975	Dave Kanner
2004	Janice Golenbock	1974	Dary Turner
2003	Janice Golenbock	1973	Don Dietrich
2002	Scott Wabnitz	1972	Jeff LaRochelle
2001	Scott Wabnitz	1971	Jeff LaRochelle
2000	Debby Keller	1970	Harold Herre
1999	Debby Keller	1969	Robert Gebbia
1998	Dani Barnard	1968	Jim Wentz
1997	Fiona Bedford	1967	Mike Smolens
1996	Greg Dupier	1966	Paul Magnuson
1995	Pete Harllee	1965	Roger Powell
1994	Demian Johnston		
1993	Alexis dePlanque		
1992	Alexis dePlanque		
1991	Ray Fratto		
1990	Erica Levy		
1989	Chris Hansen		
1988	Louis (Gino) Cosentino		
1987	Shawn Stuftt		



**SWEEPSTAKES
2017**



ENOSH SHACHAR

Sweepstakes Chairman

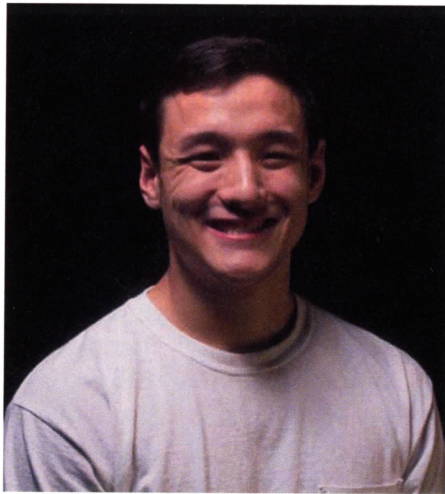
Two years ago I was AEP's new Buggy Chairman. Our last chair just graduated, and for the second half of the first semester, our head mechanic was gone. I barely knew how to change a wheel, and most of my alumni were useless. It was a recipe for disaster. All I had was this old notebook from 1996 with the word "Buggy" on the front, and inside the most useful info was how our chairman found a Dunkin'

Donuts, and made a map for all the other orgs to get coffee at rolls.

I was clueless starting off as a chairman for my org. But everyone who does Buggy started off clueless. There is nothing quite like Buggy in the world, and we all started off knowing next to nothing. That is one of the amazing things about Buggy – anyone can do anything, all they need to do is to reach out to someone and ask. And by the end of the year, after talking to and asking the other orgs A LOT of questions, I learned about Buggy. I learned that what I loved about Sweepstakes and Buggy was how we get hundreds of us together, and built this crazy community that's been around for almost 100 years. Wanting to become Sweepstakes Chairman just felt like the next step in being a larger part in this community.

This past year as Sweepstakes Chairman has been a wild rollercoaster that I will never forget. We started off the year by asking ourselves and everyone else what they hoped to accomplish, and why they do Buggy. Looking back, we all accomplished more than we thought we would, and there is still a lot more that I wish I was able to do myself, but the reason for everything I have done this year has stayed the same: Buggy is you guys. It is for every driver, pusher, mechanic, spectator, and especially all of the other chairmen. For all of the early mornings and late nights you've put in, you made Buggy what it is today with your accomplishments.

Thank you for teaching me why I love Buggy. Today, Raceday, is our celebration, and it is my privilege to be a part of it.



RYAN BARRETT

Assistant Chairman

I became interested in buggy my freshman fall semester when I watched my first free roll practice. Seeing the array of technologies that were built into each teams' buggies was astounding, and knowing it is all designed and implemented by fellow students made it nothing short of inspiring. I joined the Sweepstakes committee this year with the hope of better understanding how teams operate

to find ways we can make the experience more fun for those involved. It is rewarding for me to see the members of all the teams enjoying the great sport of buggy, and I am thankful I have been able to be apart of this tradition.



HANNAH LYNESS

Design Competition Chairman

I find myself lucky to be spending a fifth year creating, competing and celebrating alongside the passionate Sweepstakes family. Though I may not appreciate it on early weekend mornings, I know that buggy is a completely unique opportunity and I am grateful for the memories that I have built through it. I'm thrilled to be able to stay immersed in buggy through Design Competition and Buggy Showcase.

I see these events as great opportunities to demonstrate the analysis, artistry and creativity that go into creating a buggy to other teams and the community. Thank you to everyone that has helped make Raceday 2017 possible and good luck to all competitors!



LINNA GRIFFIN

Safety Chairman

There are many reasons why I became the safety chair for sweepstakes. The first reason was because I wanted to create a culture in which drivers were not afraid to speak up against unsafe practices and unfair conditions. The second was because I wanted to use my own knowledge of how buggies are built to improve the standard of safety throughout the sport. And the third reason

is because I wanted the free jacket that came with it. I will never forget the buggy community. The friends I have made on the course have supported me through some of my darkest hours and have shared some of my happiest moments with me. I can only hope that I have had a positive impact on a community that has given me so much. Thank you for a great senior year.



KAITLIN WILKINSON

Buggy Book Chairman

When I came to CMU as a freshman I had no real intention of joining buggy, but after joining Fringe I found myself being pulled in to help out with various tasks. At the end of last year, Linna jokingly asked if I would be interested in working on the buggy book. Months later when she reached out to me again more seriously I decided to take her up on the offer. As a Senior in Communication Design, I saw it as a great opportunity to use my skills to become even more involved in buggy.

P.S. I did it for the jacket.



APEX

We're the ragtag underdog team that's figuring it out as we go along. Newest of the independent teams, we're not set in our ways and take great pride in the research, experiments, and just overall craziness that goes on in our shop. Who would've guessed that this oddball group of friends from the Rez's buggy team would still be rolling 5 years later. If you see a bunch of people wearing red arguing over a build idea, you know you've stumbled into the Apex shop. Apex is an organization that emphasizes collaboration not just among ourselves but with other teams and orgs to better the buggy community especially with our "open hatch" policy. We're extremely grateful to be back again for another exciting race day and look forward to see you all out on the course.

Chairman
Jasio Santillan

Assistant Chairman
Antonio Freiria

Head Mechanic
Andre Gutierrez

Assistant Head Mechanic
Kevin Xuan

Head Driver
Samantha Wong

Push Captains
Harry Landis, Amelia Clark

Drivers
Tiffany Cai, Kami Chin, Lena Vlahakis, Samantha Wong

Special Thanks

To those crazy Rez kids who made this all possible, Adam McCue for being our kickass pseudo-alum responsible for getting us our wheels, Connor Hayes for all his ancient buggy wisdom, all of our alumni who put up with Apex's shenanigans over the years, and finally the Pioneers for getting us started and their never-ending passion for buggy.



Founded in 1970, the Carnegie Involvement Association, or CIA, was the first independent (non-Greek) organization to win Sweepstakes, or Buggy. Open to all members of the student body, CIA's objective is to strike the right balance between performing well and having a blast!

Chairman
Reid Long

Support Chair
Andrew Sun

IM Chair
Elyce Milligan

Assistant Chairman
Kevin Wang

Alumni Relations
Natalie Hong

Atlas Chair
Ben Warwick

Head Mechanic
Bobbie Chen

Treasurer
Val Kozina

Cabinet Advisor
Luis Hernandez

Build Lead
Jean Zhang

Secretary
Alan Qiu

Drivers
Victoria Liang
Kady Yip
Emily Wong
Yushuan Peng

Head Driver
Ari Daly

Pancake Chair
Manny Lopez

Push Captains
Julian Trulear
Elyce Milligan
Isabel Murdock

Social Chair
Sarah Dieckmann
Sabrina Wang

Special Thanks

Ben Hauser, Alex and Erin May, Natalie (the Elder) McGuier, Dan Fernandez, Apex, Larry Greenfield, Frank Robb and Lou Conley, Ben Matzke, Jerry Carlson, Shafeeq Sinnamohideen, Patricia Xu, Preston Ohta, Atomatic, Guy with Leg cast at Cathedral, Elon Bauer, Guillermo Gomez, Kevin DeVos, Kellen Chow, Dan Sibley, Grep Price, Keith Seto, Charlie Munoz, Rachel Browne, Michael Saitta





Our number one priority is and always will be safety. With that said, fast buggies and team shenanigans come in close behind. Because we build a brand new buggy every year, we are constantly rethinking and reshaping our approach. No two buggies are the same. The individual character of our buggies and our team is what sets us apart. We are constantly pushing the limits of what is possible for a group of students in a basement workshop equipped with composites and creativity. Fringe Buggy is never going to stop living on the edge.

Chairman/Chairmen

Diya Nuxoll

Head Mechanic

Hunter Rideout

Head Driver

Madison Scott

Push Captains

Jacob Brooks

Mikahla Vicino

Drivers

Madison Scott

Helen Kim

Amy Chen

Nina Prakash

Vicky Ye

Special Thanks

Our wonderful alumni, Conrad Zapanta, Hexion, and the coffee machine in Tepper



With two returning drivers and positive performance in the fall, we expect good results on race day.

Chairman

Charles Aguilar

Head Mechanic

Justin Belardi

Mechanics

Kevin Zhao

William Clark

Lior Barhai

Follow Car Chair

Hao Feng

Head Driver

Anna Zhang

Push Captains

Gabe Renna

Jake Vries

Katie Liston

Drivers

Anna Zhang

Sera Lim

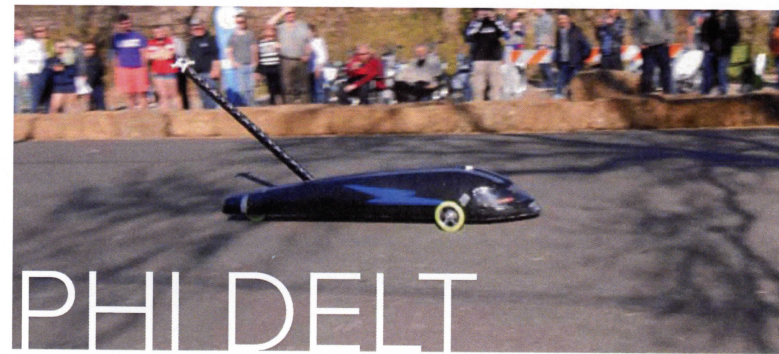
Victoria VanBenschoten

Special Thanks

Alumni Tom Wood and John Barrett



PHIDELT BUGGY



This is Phi Delt's third year racing as the newest team on campus. From repairing Perun, to advancing our wheel tech, to building our first ever buggy, we've come a long way. There's still a lot to learn as we strive to innovate and improve. But first and foremost, we're here to be safe and have fun!

Chairman

Pieter de Buck

Head Mechanic

Alex Russell

Push Captain

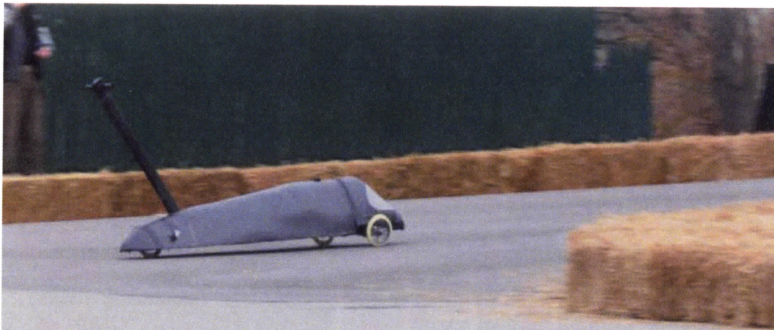
Malcolm Fitts

Drivers

Sarah Beth Deluty, Anny Fan

Special Thanks

Helicopter alumni, the brothers of Kappa Delta Rho, Connor Hayes, Adam McCue, Hunter Rideout, Sweepstakes



SIGMA ALPHA EPSILON

We are a group of guys that push buggies around a course and we have fun doing it. We have also revolutionized the fining system for missed duties by strategically missing barricading duties. We are focused and ready

Head Chairman

Eric J. Collazo

Assistant Chairmen

Mason Sofia

Chris Calder

Head Driver

Hee Jung Koh

Special Thanks

Thanks to all the pushers, chairmen and brothers involved. A special thanks to Hee Jung Koh for being an amazing driver and dealing with us at 6am. We appreciate everything you do for us and we promise to work hard for you. We love you Heej.

team | ΣΑΕ





SIGEP RACING



"I am Daniel
I am Sam...
Do you like Green Eggs and Ham?
I do not like them,
Sam I am.
I do not like
Green Eggs and Ham."

Chairman
Arman Hezarkhani

Head Mechanic
Taylor Tabb

Push Captains
Ryan Yeh
Morgan Stanley
Anna Vonderhaar

Drivers
Madeline Finn
Nazli Uzgur
Sophie Halpern
Annie Song

Special Thanks
Our alumni and supporters!



Sigma Nu has been competing in Sweepstakes since what feels like the dawn of time. The 101-year-old chapter has seen its fair share of glorious victories, as well as devastating spin-outs. This year's event is not just another tally on the wall, but an opportunity to begin a new chapter in the legacy of this organization. Buggy has always been and always will be a revered tradition in the Zoo house, and we look forward to race day with anticipation.

Chairmen

Kai Lung

Dylan Clarke

Head Mechanic

Kai Lung

Head Driver

Raisa Chowdhury

Push Captain

Horace Hou

Janitor

Anubhav Jaiswal

Special Thanks

The Zoo would like to thank Rebean, Kyle, The Wheelfather, Rusky, and all those in the ESP family.



For over 30 years, SPIRIT has always valued team unity as a driving force to success. We have had our highs and lows over the years, but one thing that never changes is our commitment to each other. We are and will always be more than just a team, we are a family.

Chairmen

Efrain Barbosa

Randy Garcia

Vice-Chairman

Josie LaCoe

Head Mechanic

Matthew Swain

Khalil Williams

Head Driver

Rebecca Kang

Push Captain

Randy Garcia

Drivers

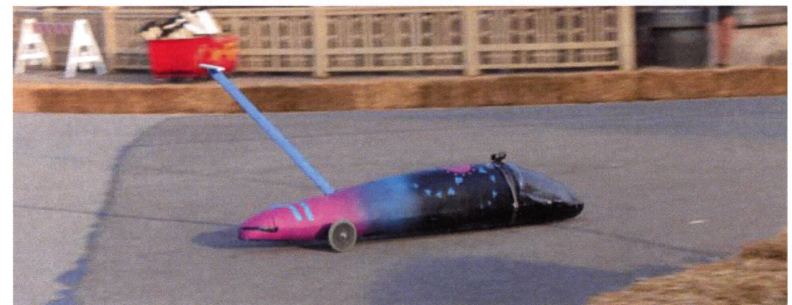
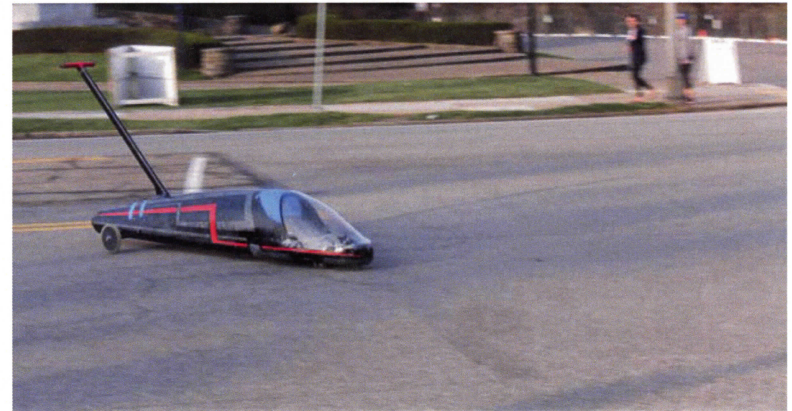
Diamond Moody

Rachel Sniffen

Beichen Liu

Special Thanks

To all our alumni and the entire SPIRIT organization for always supporting us.





In SDC Buggy, we're proud to represent our dorm student community through the hard work, friendships, and fun we have together. We're always striving to improve and pay attention to every detail. We foster an innovative spirit while respecting and building upon the great contributions of our alumni before us. As our fellow insomniac would say, "May I never be complete. May I never be content. May I never be perfect."

Chairman
Joyce Chen

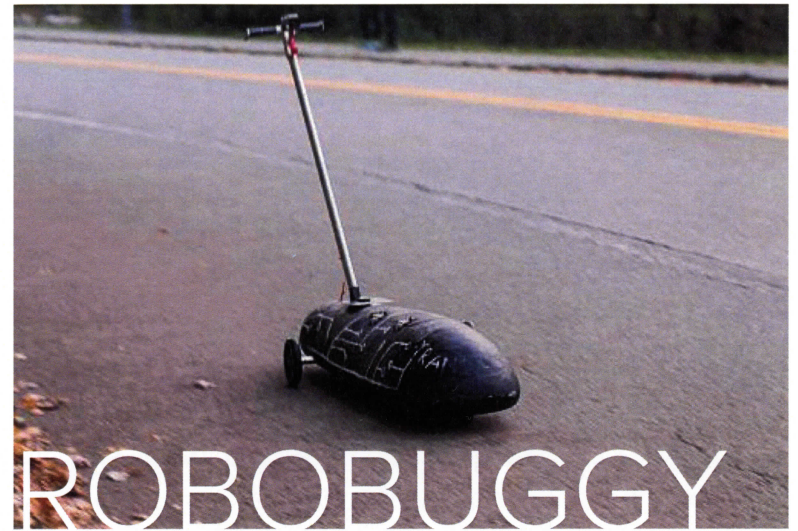
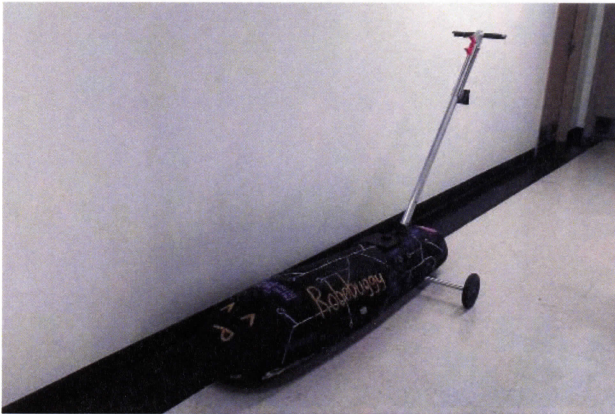
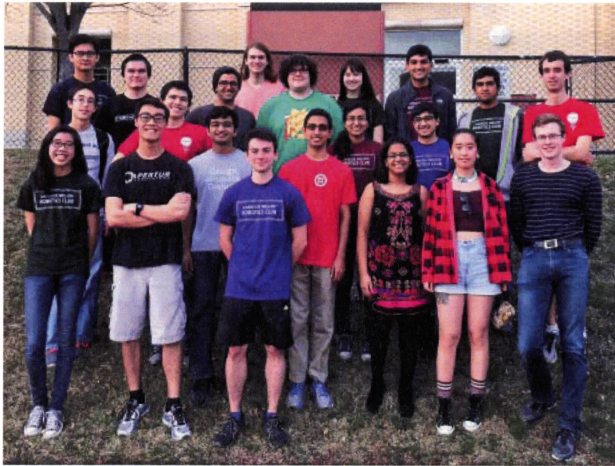
Head Mechanic
Camilla Xu

Push Captains
Ryan Aguirre, Boyao Yu, Alex Cerny

Drivers
Annie Black, Kyoko Inagawa, Elizabeth Ji, Maggie Lin, Tricia Chen

Special Thanks
Mike Darcy, Jeremy, Wade, Sunny & Laura, Michelle, Melisa, DF & Kathy, The Perfect Man, Alex Long, Julian, Alex Y, Mr. Price, Kyle, Jing, Hat Jon, Emily, Brian, Derek, Connie, Chris Goode, Christopher Kwan, Omer, Tris, Muñoz, Riley, Jung, Rachel, Steph, Gessner, NickMo, Adam Borochoff, Josh Ayers, Annie, Mira, Mark Roboff, Jana & Kris Borer, Chris Stengel, the Vandermarks; all alumni; Bryan Koval, Alex Yang, and SDC GenBody; Sweepstakes; and our friends, fans, and supporters.





After years of hard work, dedication, and code, Transistor is ready and rolling autonomously! It has been an exciting year of growth and development, and we are proud of what we have accomplished. Although we aren't yet a competitive team and our driver isn't exactly human, Robobuggy is continuously thankful to Sweepstakes for letting us participate in buggu. We are excited for what the future has in store for our team!

Chairman
Danielle Quan

Head Mechanics
Eric Barrett, Matt Lee

Head of Electrical
Sean Buckley
Alexandre Devienne

Head of Software
Vivaan Bahl

Driver
"Alice"

Special Thanks
Thank you to our incredible alumni and our sponsors Build18, Epic Metals, Hillcrest Labs, Microsoft, and NVIDIA for their generous support!

ATLAS

We are Atlas, a subset of CIA! We build autonomous buggies to support the robot uprising. With two SURG grants over two years, we have successfully converted Quasar (a retired CIA buggy) into RoboQuasar. Our first major showcase will be Race day 2017.

Chairman
Ben Warwick

Head Mechanic
Chris Perry

Head Driver
19 Volts DC

Push Captain
Elyce Milligan

Drivers
<https://github.com/Woz4tetra/Atlas/>

Special Thanks
Prof. David Kosbie (team advisor)





**SUPPORT
ORGANIZATIONS**



BUGGYALUMNI
ASSOCIATION

BUGGY ALUMNI ASSOCIATION

“Congratulations, Seniors! You’re alumni now.”

You know you’re going to miss buggy most of all. Here’s how you can stay involved! Register before graduation (May 21) to get 1 year of premium membership benefits for free: <http://cmubuggy.org/seniors>

Member Benefits

Supporting Members and New Alumni get non-public in-depth updates on buggy events to keep you in the loop and an invite to the annual raceday reception.

After your first year

A contribution of any size makes you a supporter and helps us pursue our 5-point mission:

1. Preserve and make accessible the history of the sport
2. Provide a channel by which alumni can remain connected to and support the sport
3. Support and improve undergraduate participation
4. Improve relations and raise interest in the greater Pittsburgh community
5. Unite alumni across organizations

Be sure to visit <http://cmubuggy.org> for access to:

- Buggy photos
- Sweepstakes history
- The latest in buggy news
- A forum where you can talk buggy with your fellow alumni



CMU EMS

Carnegie Mellon University EMS provides 24/7 emergency medical response to the Carnegie Mellon campus community and surrounding areas, as well as medical standby support to CMU organizations as needed for major events (like buggy!). Licensed by the Pennsylvania Department of Health as a Quick Response Service, CMU EMS provides a Basic Life Support level of care to over 600 calls per year. CMU EMS has been in service since 1984. EMS is proud to be in the chute standing by bright and early every rolls day!



W3VC

We'd like to thank W3VC.

W3VC is the invaluable team of radio experts that keep rolls running smoothly throughout the year. From the top of hill 2 to the end of the chute, this team of hardworking individuals makes sure the course is clear and reports any problems to Sweepstakes. When a team crashes, they are the first to let the top of the hill know what happened and what needs to happen. They are as crucial as the Sweepstakes Committee and we really couldn't do it without them. Thank you guys.



CMUTV

CMUTV is a student-run television station of Carnegie Mellon University. They bring all of the video footage of Sweepstakes including live streaming, raceday videos, team profiles, and behind-the-scenes footage of Buggy. Thanks to the team for all of their help and support!



WRCT

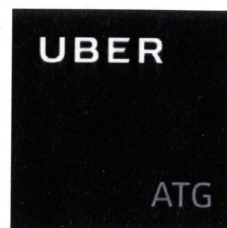
A non-commercial freeform radio station hosted in the basement of Carnegie Mellon's University Center, WRCT broadcasts interviews as well as Raceday coverage during the buggy races. Many thanks to the team for making that possible.

SPECIAL THANKS

Sweepstakes would like to thank the following people for helping make Raceday 2017 a success:

Alumni Relations: Lindie Droulia Laurel Bosshart	WRCT W3VC
Anne Witchner	Environment Health & Safety
Ben Matzke and the Buggy Alumni Association	Tom Plietz and Kevin Caruso Joe's Hot Dog House
Head Judge: Edward Cho	Kaycee Palko Lou Conley
Buggy Showcase Judges: Professor Rebecca Taylor Professor Wayne Chung Adam Wood Sherman Lam	Tom Wood Phoenix Sport Technology Safeway Scaffolding
Carnegie Mellon EMS	Viewpoint Production
Carnegie Mellon EMS	Spring Carnival Committee
Carnegie Mellon Police	SLICE
City of Pittsburgh EMS	Taylor Rental
City of Pittsburgh Police	Michelle Mirabella
cmuTV	Jordan Kunz

BUGGY SPONSORS



CARNIVAL SCHEDULE

THURSDAY APRIL 20

Buggy Showcase
Wiegand Gym CUC
12-2 pm

Midway Opening Ceremony
CFA Parking Lot
3 pm

Buggy Alumni Association (BAA) Welcome Event
Hough's Taproom & Brewery, 533 Greenfield Avenue
7-9 pm

FRIDAY APRIL 15

Sweepstakes Preliminary Races
Schenley Park
8 am - 12 pm

The History of Buggy Showcasing 1992
1:30-3pm

SATURDAY APRIL 16

Sweepstakes Final Races
Schenley Park
9 am - 12 pm

Buggy Alumni Association (BAA) Alumni Happy Hour
The Porch
4PM

Spring Carnival Award Ceremony
Tennis Court Amphitheater
4:30 pm

