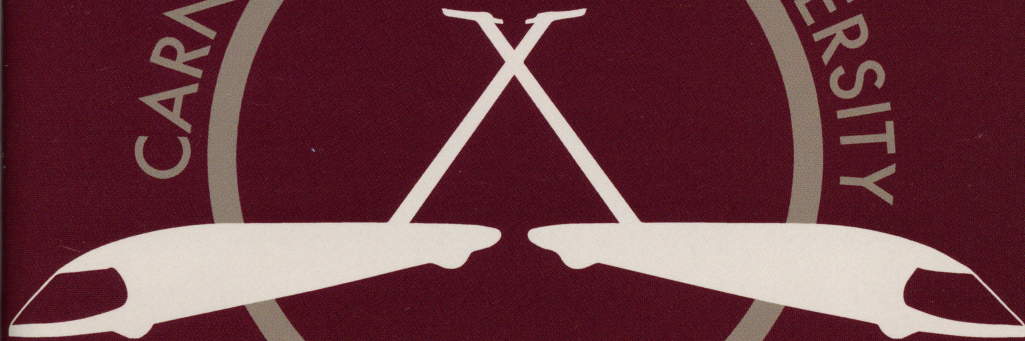


CARNEGIE MELLON UNIVERSITY



SWEEPSTAKES 2015

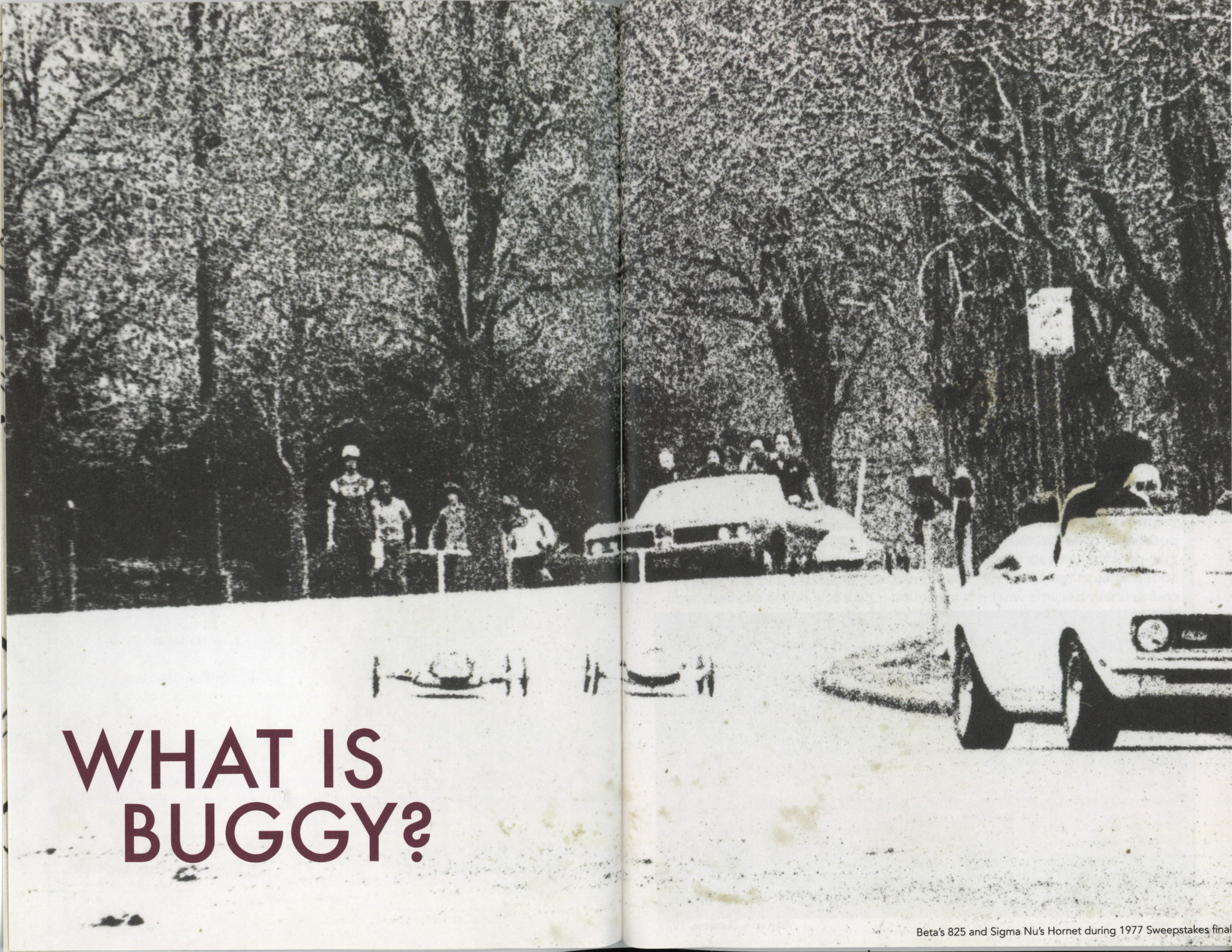
95th anniversary  
**BUGGY BOOK**

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Special thanks to Kaitlin Wilkinson (logo design), Haley Dalzell (buggy sprites), Adam McCue, and Elon Bauer.

Photo credit to Guillermo Gómez and cmubuggy.com.



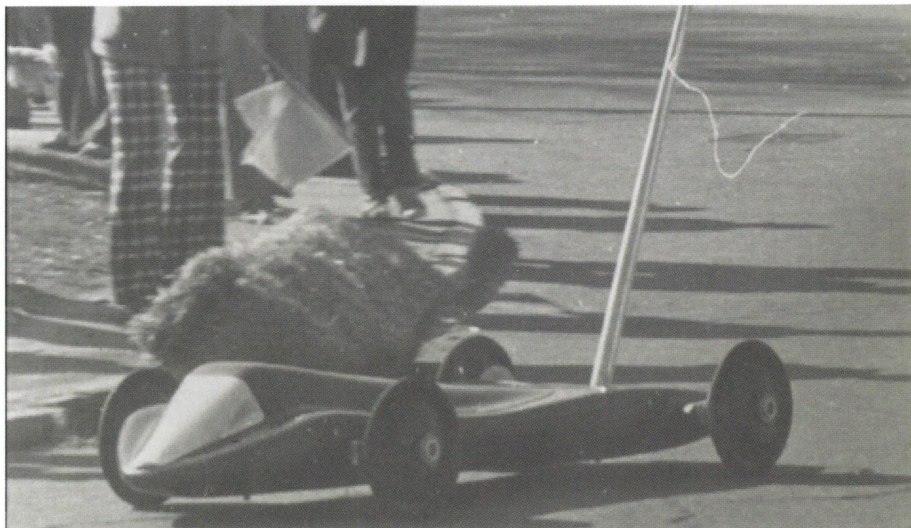
# WHAT IS BUGGY?

# HISTORY OF BUGGY

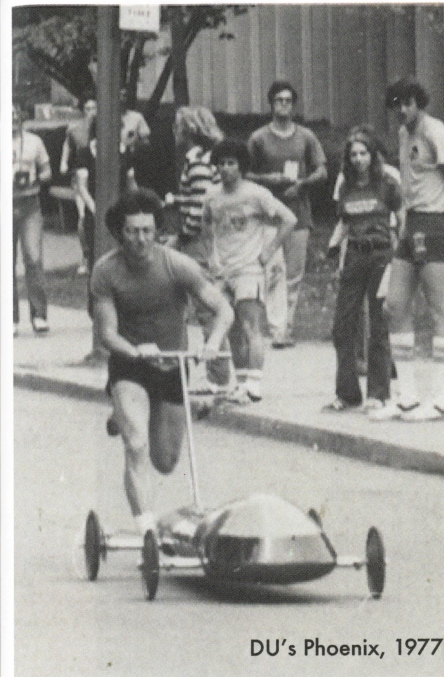
At 9:30 AM on May 14, 1920, with what a witness called "a conglomeration of rain barrels with bicycle wheels, four-wheeled orange crates, and three-wheeled ash cans," the iconic sport of Sweepstakes, more commonly known as "Buggy," began its 94-year history. A dozen box-like "pushmobiles" with male drivers 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.

## The Following Years

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 thankfully run in heats to mitigate collisions. In 1926 a fifth pusher was added to each team. In 1928, Frew Street was extended and the Buggy course finally became what it is today.



PhiKap's Shadow, 1977



DU's Phoenix, 1977

## Buggy Design Through The Ages

The buggies themselves, however, have never stopped changing. As the years progressed, the size, weight and number of wheels decreased and the shapes became increasingly aerodynamic. Buggies began to follow the leading edge of materials science and mechanical engineering as early as the 1930's. Beta Theta Pi broke the 3-minute barrier in 1931 by incorporating aluminum, an advanced aerospace product at the time, into their design. After World War II, aluminum remained a 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, but it presented some production issues. 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

But even a light buggy is nothing without good wheels. Prior to World War II most wheels were pneumatics. Starting in 1947, Soap Box Derby wheels were commonly used until the early 80's when the hubs changed from steel to plastic and were deemed unsafe for Buggy. This left teams scrambling for a solution, and out of the mess came innovation. Many teams chose off-the-shelf solutions like the Panaracer wheel chair wheels and later Xooter scooter wheels. Other teams made custom wheels out of rubber or polyurethane and saw success and improvement over stock wheels.

Around 2010, Zero Error Racing began offering over-the-counter, high-quality polyurethane wheels. These wheels have become the standard for any team looking for fast wheels without having to cast their own. Today, teams use a wide variety of wheel sizes and tread com-

pounds, trying to find the magic formula that will make them the best.

### The Champions

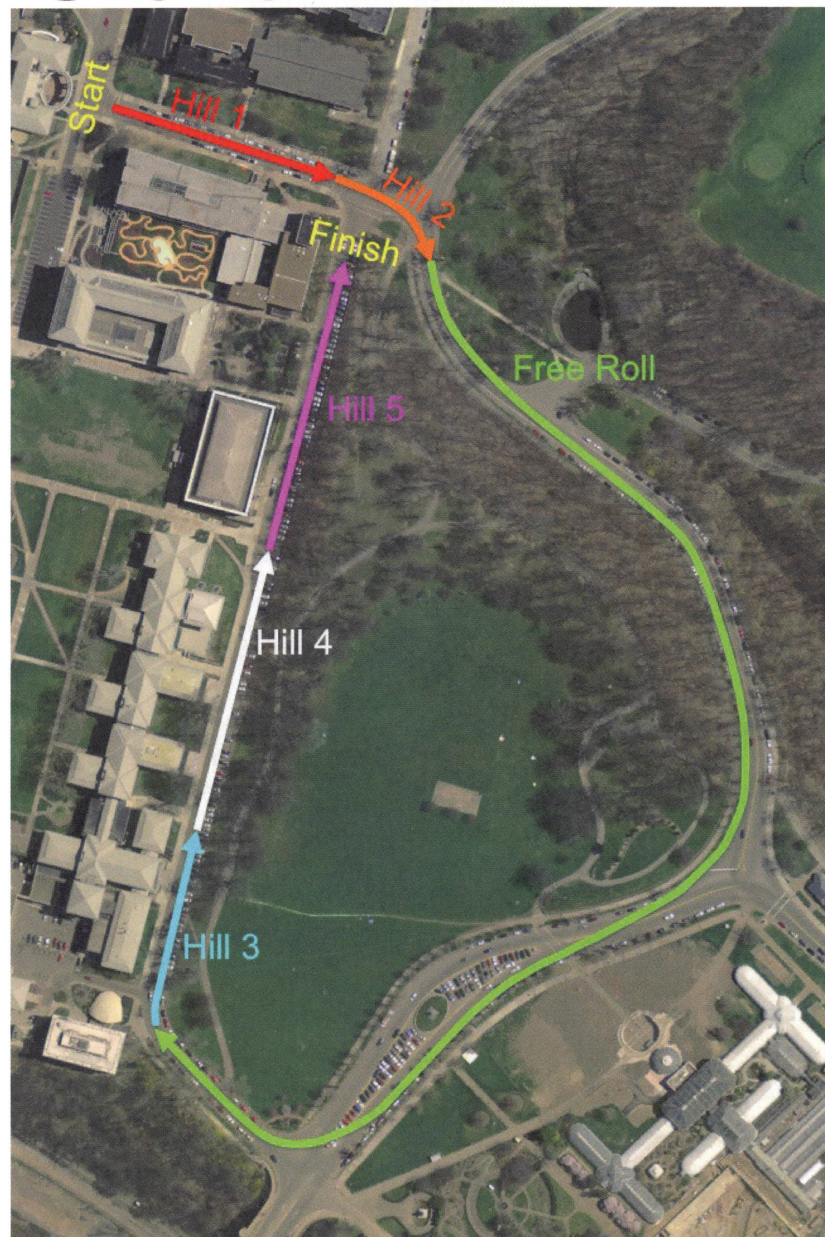
Even with a light buggy and speedy wheels, a team still needs a great driver, five really fast pushers, and a lot of luck to make it to number one. The trophy has traded hands many times over the years, with certain teams often standing above the rest. Kappa Sigma and Beta Theta Pi dominated prior to World War II, but after the war, Delta Tau Delta took over. New wheel technology by Alpha Tau Omega led to an almost-perfect 10-year reign through the 50's until Beta Theta Pi and Pi Kappa Alpha emerged as the teams to beat. In the 70's, Phi Kappa Theta and Sigma Nu challenged their reign. The first all-women's heats were run in 1979 where SDC and CIA quickly dominated.

The Greek men were shocked in 1981 by the phenomenal record of 2:10.8 and victory by CIA, the first non-Greek team to ever win the race. After Spirit followed suit with a controversial victory in 1987, they made sure everyone knew it was no mistake by setting a record of 2:06.2 in 1988 with Quantum Leap that withstood challenges for 20 years. The record was finally broken in 2008 with PiKA prevailing over SDC with a time of 2:04.35. In 2009 SDC set the current course record for both men and women with their buggy Malice. With only 3.3 seconds separating them from two minutes, everyone is wondering what it will take to cross that threshold.

### 2015

Breaking two minutes may take nothing more than freshly-paved roads. But even then, teams will never stop innovating. In recent years, a number of noticeable innovations have emerged including variable wheel sizes and numbers. A new team (Phi Delta Theta) has come out this year. This raceday will be the first time the teams will race on the newly paved free roll which should give some increased speed on the downhill. However, the spring has seen many roll cancellations due to weather, leading to an abnormally short time for teams to prepare and get up to speed. How this will affect the teams remains to be seen, but we are sure to see an exciting raceday 2015.

# THE COURSE



# BUGGY TERMS

<b>buggy</b>	A vehicle built, maintained, operated, and pushed by Carnegie Mellon students throughout the year in preparation for the races held during Spring Carnival.
<b>Buggy</b>	Commonly held name of the Sweepstakes race and the sport in general.
<b>Bump and Run</b>	The technique of shoving a buggy and then running to catch up with it. (Also see Pushbar Rule)
<b>Capability Test</b>	Braking system test in which a buggy must be able to stop within a specified distance after reaching a minimum speed of 15 mph.
<b>Catcher</b>	Student who stops the buggy after it crosses the finish line.
<b>Chairman</b>	Student in charge of an organization's buggy program.
<b>Chute</b>	The tight right-hand turn halfway through the course at the intersection of Schenley Drive and Frew street.
<b>Chute Flagger</b>	Member of an organization's team who stands on the course and signals to the drivers when to make their initial turn into the chute.
<b>Driver</b>	Typically a short (under 5'), lightweight female willing to put life and limb in jeopardy to pilot a buggy around the course.
<b>Drop Test</b>	A test of each buggy's braking system; performed before every day of rolls and after each race.
<b>Duct Tape</b>	A key component of building and maintaining buggies.
<b>False Start</b>	When the buggy's nose crosses the starting line before the official start of that heat.

<b>Five-Second Rule</b>	The rule that states that within five seconds of the start of the heat, nobody except the pusher may be within five feet of the buggy in any direction.
<b>Follow Truck</b>	A vehicle that follows the buggies in each heat containing judges and crew.
<b>Freeroll</b>	The mostly downhill portion of the course, during which the buggy is freely rolling and is generally going too fast for a pusher to keep up with.
<b>Heat</b>	A time slot on Raceday where up to three teams race against each other at the same time.
<b>Hills</b>	Slang term for the buggy course, divided into five sections, each with an individual pusher. (Hill 1, Hill 2, Hill 3, Hill 4, Hill 5)
<b>Pushbar Rule</b>	The rule that states that the hill 5 pusher must have a hand on the buggy as it crosses the finish line.
<b>Reverse Trike</b>	One of the two basic designs for a three wheeled buggy, with two front wheels and one rear wheel.
<b>Rollout</b>	Distance the buggy travels up Frew Street after coming through the chute before it slows down enough for the hill 3 pusher to begin pushing it.
<b>Rolls</b>	Weekend practices held from 7am-9am (weather permitting) throughout the year leading up to Raceday.
<b>Spinout</b>	Act of losing traction while going through the chute, resulting in the buggy spinning up to 360 degrees.
<b>Standard Trike</b>	One of the two basic designs for a three wheeled buggy, with one front wheel and two rear wheels.
<b>Sweepstakes</b>	The official term for the buggy races held during Spring Carnival.
<b>Sweepstakes Chair</b>	The person who supervises Sweepstakes, including all freeroll practices, and all support activities; head of the Sweepstakes Committee.
<b>Team</b>	Five pushers, one driver, and one buggy.

# MENS PAST RESULTS

Year	Winner	Time	Year	Winner	Time
2014	SDC	02:04.5	1989	Spirit	02:06.6
2013	SDC	02:05.0	1988	Spirit	02:06.2
2012	SDC	02:05.8	1987	Spirit	02:11.3
2011	Fringe	02:05.1	1986	PiKA	02:08.7
2010	Fringe	02:07.5	1985	SigNu	02:09.1
<b>2009</b>	<b>SDC</b>	<b>02:03.3</b>	1984	PiKA	02:09.5
2008	PiKA	02:04.3	1983	PiKA B	02:09.0
2007	PiKA	02:07.4	1982	SigNu	02:11.5
2006	PiKA	02:07.3	1981	CIA	02:10.5
2005	PiKA	02:07.9	1980	PiKA	02:16.4
2004	PiKA B	02:11.7	1979	Beta	02:18.4
2003	PiKA	02:10.1	1978	Beta	02:23.4
2002	PiKA	02:09.2	1977	PiKA	02:17.8
2001	Fringe	02:09.1	1976	PiKA	02:23.3
2000	PiKA	02:07.4	1975	PiKA	02:19.3
1999	PiKA	02:09.7	1974	SigNu	02:21.4
1998	Spirit	02:09.5	1973	PhiKap	02:25.4
1997	Spirit	02:11.9	1972	PhiKap	02:24.0
1996	PiKA	02:08.1	1971	PiKA	02:28.5
1995	PiKA	02:10.0	1970	PiKA	02:28.5
1994	PiKA	02:09.2	1969	Beta	02:29.6
1993	Spirit	02:10.4	1968	PiKA	02:20.9
1992	Spirit	02:07.4	1967	PiKA	02:24.8
1991	Spirit	02:10.6	1966	Beta	02:27.8
1990	PiKA	02:07.1	1965	Beta	02:28.7

Year	Winner	Time	Year	Winner	Time
1964	Beta	02:31.5	1935	Beta	02:47.2
1963	PiKA	02:34.0	1934	KapSig	02:49.7
1962	ATO	02:27.5	1933	Beta	02:48.5
1961	ATO	---	1932	Beta	02:54.8
1960	ATO	02:34.5	1931	DTD	02:59.0
1959	PiKA	02:29.7	1930	Beta	02:57.5
1958	ATO	02:28.4	1929	PhiKap	03:05.6
1957	ATO	02:25.0	1928	KapSig	03:04.4
1956	ATO	---	1927	KapSig	03:15.8
1955	ATO	02:26.0	1926	PiKA	03:18.3
1954	ATO	---	1925	KapSig	---
1953	ATO	02:30.5	1924	KapSig	---
1952	DTD	02:36.0	1923	KapSig	---
1951	DTD	02:41.6	1922	SAE	04:30.0
1950	DTD	02:41.8	1921	ISD	04:38.0
1949	DTD	02:42.5			
1948	DTD	02:48.0			
1947	DU	---			
1946	DTD	02:49.0			
1942-45	---	---			
1941	KapSig	02:55.0			
1940	KapSig	02:53.0			
1939	KapSig	02:44.0			
1938	KapSig	02:43.0			
1937	---	---			
1936	KapSig	02:46.8			

# WOMEN'S PAST RESULTS

Year	Winner	Time	Year	Winner	Time
2014	SDC	02:33.5	1996	Spirit	02:35.9
2013	SDC	02:32.6	1995	Spirit	02:33.0
2012	SDC	02:30.7	1994	PiKA	02:42.8
2011	SDC	02:35.0	1993	PiKA	02:38.7
2010	Fringe	02:40.6	1992	Spirit	02:33.5
<b>2009</b>	<b>SDC</b>	<b>02:25.6</b>	1991	PiKA	02:37.3
2008	SDC	02:28.8	1990	PiKA	02:36.3
2007	SDC	02:31.0	1989	Spirit	02:37.0
2006	PiKA	02:38.5	1988	PiKA	02:40.0
2005	Fringe	02:37.9	1987	Spirit	02:37.3
2004	PiKA	02:29.8	1986	Spirit	02:38.8
2003	Fringe	02:44.8	1985	CIA	02:45.5
2002	PiKA	02:30.6	1984	PiKA	02:48.6
2001	Fringe	02:34.7	1983	CIA	02:46.5
2000	SDC	02:35.8	1982	CIA	02:49.3
1999	PiKA	02:45.9	1981	SDC	03:04.1
1998	PiKA	02:43.3	1980	CIA	03:06.3
1997	Spirit	02:37.8	1979	SDC	03:11.0







Sweepstakes Committee 2015

# SWEEPSTAKES



Organizations' Chairmen

# PAST CHAIRMEN

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

# SWEEPSTAKES COMMITTEE

**Elon Bauer**  
Chairman

**Haley Dalzell**  
Assistant Chairman

**John Dieser**  
Safety Chairman

**Annsley Lucas**  
Design Competition  
Chairman

**Aubrey Higginson**  
Buggy Book Chairman

# A LETTER FROM THE CHAIRMAN

It all started with a threat. "Hey you! Join Buggy or I'll stab you with this chopstick!" I turned to see a small girl standing on a table, chopstick in hand. I could tell she wouldn't hesitate to use it. Really, what choice did I have?

Five years later, I can't imagine what life at CMU would have been like without Buggy. Buggy has been my lifeblood at college. Through it I've made lifelong friends, and unbreakable connections. I've discovered countless things about myself, and about my relationships with others. I've learned what it means to win, and how it feels to lose. Buggy has taught me more about engineering, teamwork, management, and friendship than any class ever could. It hasn't always been fun, and it certainly wasn't easy, but I wouldn't trade it for the world.



I first joined Buggy as a flagger. It was easy and fun. I got to watch buggies spin in the chute. I got to throw stop flags and hope the drivers knew what they meant. I had no concept of the work required to be competitive... but I would soon learn.

When they asked if I wanted to push, I was hesitant, but they said I could wear a suit and it didn't matter how fast I was, so I agreed. My first Raceday was incredible. The adrenaline, the excitement, the fear of failure. It was on that day that the realization hit me: I'd never quit Buggy.

Our head mechanic always said, "if you can turn a wrench you can mechanic a buggy." I've always enjoyed working with my hands, and now with four buggy builds and years of maintenance under my belt, I am proud to call myself a buggy mechanic. There are countless pieces

of wisdom I hope never to forget, but to all future mechanics, remember this: be one with the buggy, and always carry an 8-32.

When we found out I fit in one of the buggies, I couldn't let the opportunity pass by. I could finally say I'd performed all four roles on a Buggy team. I only rolled twice around the course before the pain and lack of visibility made me quit, but those two rolls are my claim to fame. I'm one of the only male drivers in recent history. Afterwards, I had a much better understanding of why drivers love driving so much, and also why they're all totally crazy for doing it.

And now here I am. Chairman. Leader of the madness. The one making sure that people are able to wake up at 4am to push a girl in a torpedo down a hill at 40 mph. Buggy is only possible because of them; the flaggers, pushers, mechanics and drivers who give their hearts and souls to the sport. I'm so thankful for the opportunity to lead such a dedicated group of individuals.

Thank you all for giving me one of the best experiences of my life. Enjoy the races, and good luck!

**Elon Bauer, Sweepstakes Chairmen 2015**

# ASSISTANT CHAIRMAN



When I first heard about buggy over 5 years ago on a campus tour, I thought, "It's cool that Carnegie Mellon has a such a weird tradition like that...but I don't really want anything to do with it." And for my first two years at CMU, I didn't do buggy. There was no way I was getting up that early. Throughout my sophomore year, I heard from friends about buggy - how the build was going, the fun and drama with other org members, and how it was totally

worth losing sleep on weekends for. I wasn't convinced...until my junior year. I joined a team, helped build buggies, made tons of new friends, and slept a little less.

One day my senior year, I was in the robotics club talking to a friend about buggy, and threw out the idea of reviving RoboBuggy. He quickly agreed we should do it, so I acquired the rusty, 15+ year old RoboBuggy from my neighbor, (who had recently rescued it from a dumpster), and we started our own team.

This year, I was somehow convinced to do even more buggy and join Sweepstakes. Getting to meet people outside of my own team and see the sport from a different perspective was pretty amazing, and I'm really grateful to all the teams, chairmen, and my friends in radio club for being so awesome to work with. I don't think freshman me would have believed it if someone had told me that I would join Sweepstakes, or that I would start my own buggy team and lead a buggy build, or that getting up at 4am on weekends in the cold weather would be the part of the week I look forward to the most. Thanks to all my friends for making it so undeniably worth it.

**Haley Dalzell, Assistant Chairman 2015**

# SAFETY CHAIRMAN

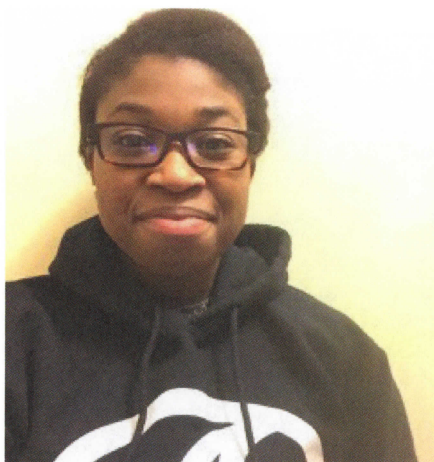
My love for buggy began my first semester at Carnegie Mellon. I saw a Fringe buggy, asked the mechanics how it was built, and never looked back. I spent 3 years in Fringe, built four buggies, and learned many new things. It was hard work, but the community that surrounds this amazing sport made all of the late nights and early mornings worth every moment.



This year as safety chair has been the perfect way to end my buggy experience. I've been able to give back to the sport that has given me so much, become friends with many new people, and finally see what's inside of everyone else's buggies. Thank you to everyone that has made these last four years so wonderful. Good luck to all the teams on Raceday 2015!

**John Dieser, Safety Chairman 2015**

# DESIGN COMP CHAIRMAN



I joined buggy before I ever attended a single class Freshman Year (thanks Evan :P). Ever since then my friends, my free time and my hobby has in some way involved this crazy sport. Buggy and I have had quite the relationship over these past four years—lots of good times, lots of chaotic times and lots of stressful times... but don't worry most of the times have been good! I've been able to experience a wide variety of leadership roles, now including

this one. Planning Showcase has one of the highlights of my time here at CMU. I certainly didn't know what I was getting into when I signed up a couple of months ago, but I've learned a lot along the way. I hope the event this year is a community affair and I can do my part to serve our 95th buggy anniversary well. Anyone who knows me knows my shameless hobby has always been planning things—really anything...it's a little weird—and being apart of this event has certainly not been an exception. All I can say is in a couple of weeks, as I walk across that gradation stage, it's going to be hard to leave buggy, Showcase and getting up at 5 am every weekend behind.

Much love, good times and family,

**Annsley Lucas, Design Competition Chairman 2015**

# BUGGY BOOK CHAIRMAN



In my five years at CMU I have participated in just about every aspect of Buggy (except the one my tall self will sadly never get to experience). What started as a love of the excitement of pushing and competition turned into a love of (obsession with?) building and caring for buggies.

I love everything about this sport, the teamwork, camaraderie, innovation, competition, even the late nights and early mornings; they bring people together in a way that I don't know when I will find anywhere else. There's really nothing like the feeling of pushing a buggy on raceday to the sound of your team cheering you on, or watching the buggy you put countless hours into building roll down that hill for the first time (not to mention the incredible relief of seeing it come back up the back hills).

When the opportunity to be the buggy book chair arose, I knew I couldn't say no. I definitely don't have a background in design or really any experience with a project like this, but it all came together and I am so grateful for the opportunity. It really was the cherry on the top of my buggy experience. Buggy was a defining part of my college experience and so many ways and I am so grateful to have had the chance to participate in such an unique sport with so many unique, incredible people. Good luck to all the teams this year!

**Aubrey Higginson, Buggy Book Chairman 2015**



THE TALES

# MECHANIC

Why do I do buggy? It is a pretty simple question I have been asked a lot. Usually I just respond aloofly with some nonsense about how I "enjoy waking up early". I never really thought about the real answer until recently. I was up late a few nights ago, working furiously to get ready for truck weekend, when I really began to think about why I was even doing this "sport".

Buggy destroys my weekends, and leaves me as a zombie most of the week. I sacrifice so much sleep, but it doesn't even factor into my GPA. Yeah, you can put it on your resume, and I guess that is a plus, but that was never the reason I did it.

I do it for my brothers.

It might sound a little cliché, but it is true. Buggy has been my way of giving my heart to my fraternity; it has been my outlet for all the passion and pride I have for this brotherhood. I want to see my fraternity succeed not because I am a part of it, but because they are my closet friends, and I want to see them succeed. After realizing this, all the hours I have spent for this team have meant so much more to me. Whenever I am stressed out angry, I remember why I am doing this, and I look around and see my brothers, and know I have to keep working for them. If you want to succeed you have to find something to care about that is bigger than yourself, and I have found that in this brotherhood. This year has been for you, boys. I have given it my all for you. Lets end it right.

Oorah SigEp.

Jack Kaplan, Sigma Phi Epsilon



# PUSHER

There is no greater day in a year at CMU than Raceday. Nothing can convince me otherwise. The nerves, the pressure, the anticipation, the excitement. A whole year of hard work and training all for those 20 seconds on Raceday where there's nothing but me and the buggy.

I feel all the nerves before I push. I'm ready, I'm excited, where is the buggy! There's hundreds of eyes all trained on me. Dozens of teammates who put in late nights, early mornings, and endured the cold all for my chance to race. Right here, right now, all of them counting on me.

Finally! The buggy is here! I've done this so many times I could do it in my sleep. Whether I'm waiting for the countdown or running alongside my teammate for the transition, I know I'm ready. Now it's my turn.

The buggy is mine and I take off! All the sound fades away. I'm only focused on me and the buggy. Every shove as hard as I can muster, every step as fast as I can possibly go. Pushing myself to go faster and faster. I will not let my teammates down! I know I can give more!

All of the sudden, I'm done. A whole year for this moment and it's gone in a flash. I gave it my all and more, but I know I can get better. Time to start training for next year.

**Jordan Kunz, SDC**





# DRIVER

Whenever you ask a driver how she got involved with buggy, you're guaranteed to get an interesting story. From what we've seen, people who become drivers either heard about the sport and then specifically sought out a way to get involved, or got swept onto a team completely by accident. The two of us exemplify both ends of the spectrum. Palak purposely sought out the opportunity to start driving her junior year and ended up on Apex, while Erica was recruited by AEPi's chairman as a freshman before she fully knew what buggy entailed. Regardless of whether someone came in with the mission of becoming a driver or stumbled upon the opportunity by chance, there are certain aspects of the sport that all drivers fall in love with that make the experience incredibly enjoyable and unlike any other.

As you could probably expect, there's nothing like speeding down the free roll on a Saturday or Sunday morning. We do admit it sounds completely crazy that we enjoy rolling down Schenley Drive inches above the ground in what is essentially a carbon fiber torpedo. We can also say that our sanity is rightfully questioned at times. However, the fantastic sense of adventure and rush of adrenaline that flow through you while navigating the course is addictive and never seems to get old.

The quality time a driver spends with her buggy while rolling is like no other, but the moments spent before, in between, and after rolls complete the experience. Every driver can tell you a number of stories about the crazy antics her team gets into. The sleepy, sarcastic, pre-sunrise conversations make the early mornings enjoyable, while the jokes about running away to Mexico in the back of a U-Haul during Truck Weekend are practically a tradition. These moments add camaraderie to the sport and bring the team closer together. This is evident from our favorite part of buggy: crossing the finish line and coming home to our catchers.

In the end, your teammates are the ones who make the buggy experience extraordinary. Your mechanics take care of you and make sure you stay safe. Your pushers ensure you get the high speed thrill of a lifetime. Your fellow drivers are the ones who you can gush to about your clean, pothole-free line. The Sweepstakes committee is even there to feed you fruit snacks and give you the hardest safety quiz of your college career. Without the support and enthusiasm of your team and Sweepstakes, none of the wonderful experiences of being a driver would be possible, and we are eternally thankful for this once in a lifetime opportunity.

Palak Pujara, Apex and Erica Green, AEPi





# THE TEAMS

# ALPHA EPSILON PI

Kamikaze



"Pushy Jews"

**Chairman**

Brandon Mittman

**Head Mechanic**

Sam Zbarsky

**Push Captain**

Sam Share-Raab

**Mechanics**

Sam Share-Raab

Erica Green

Billy Matchen

**Male Pushers**

Jacob Schofel

Brandon Mittman

Billy Matchen

Enosh Shachar

Adam Somers

Elan Rosenfeld

**Female Pushers**

Christine Law

Nicole Bozzell

Gates Palissery

Maddie Horwitz



# APEX



“...and the journey continues”

Apex began in 2012 when a group of friends living in the Rez had a crazy idea of starting a buggy team. Now entering its fourth year, Apex is a team that researches, designs and engineers buggies. But first and foremost we are a group of friends who have come together to support and challenge each other, share our excitement of buggy and to have fun along the way.

**Chairman:**

Nicole Tom

**Head Mechanic/**

**Assistant Chairman:**

Palak Pujara

**Assistant Head Mechanic:**

Jackson Toth  
Chris Kaffine

**Head Driver:**

Rachael Schmitt

**Treasurer:**

Stanley Krasner

**Male Push Captain**

Ian Rosado

**Female Push Captain**

Delaney Lam

**Social Chair**

Veronica Jamie-Lara



**Mechanics**

Alisandra Welch  
Andrew Ye  
Calvin Chan  
Chris Addiego  
Chris Kaffine  
Ian Rosado  
Jackson Toth  
Jasio Santillan  
Josh Furhman  
Lena Vlahakis  
Mark Cho  
Meghan Kaffine  
Nicole Tom  
Palak Pujara  
Rachael Schmitt  
Robert Marsh  
Roberto Jamie  
Stan Krasner  
Stephen Greco  
Trevor Decker  
Zach Shearer

**Drivers**

Anna Bandecca  
Palak Pujara  
Rachael Schmitt

**Pushers**

Alan Chang  
Alek Kirchman  
Alex James  
Amanda So  
Amelia Clark  
Andreas Fatschel  
Austin Cheng  
Avanti Dabholkar  
Brandon Peck  
Colin Shaffer  
Connor Dixon  
Delaney Lam  
Devin Keane

Dimitri Slavkovic  
Ian Rosado  
Jacob Rice  
Jakob Rohwer  
Jeff Chen  
Jordyn Greenberg  
Julia Harmison  
Julie Woo  
Lauren Simicich  
Louis Ferragonio  
Lucy Havens  
Mallory Hayase  
Marissa Schwartz  
Mark Nicholas  
Maya Holay  
Megan Bartoshuk  
Nicole Huang  
Nicole Winegardner  
Rikky Roy Koganti  
Roberto Jamie  
Ryan Stinebaugh  
Sam Westrick  
Samantha Smith  
Sarah Horton  
Sarah Johnson  
Savina Reid  
Shreya Gupta  
Stephen Greco  
Veronica Jamie-Lara

**A Special Thanks To**

Adam McCue  
Alex and Erin May  
Ben Matzke  
Connor Hayes  
Ethan Gladding  
Josh Wise  
Vincent (V)  
CIA Buggy  
Fringe Buggy  
KDR Alumni  
Pioneers Alumni

# CIA



## "CIA, Secret with a C."

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

Alex Miklos

### Assistant Chair

Guochen Shen

### Head Mechanics

Carl Glazer - Adviser

Rebecca Tien - Assistant

Patricia Xu - Main

### Head Driver

Amy Hung

### Push Captains

Carl Glazer

Allison Lim

Nick Tackowiak

### PR Chair

Reine Li

### Support Chairs

Hannah Lyness

Andrew Sun

### Pancake Chairs

Rebecca Tien

Rachel Karp

### Advisor

Conrad Zapanta

### Pushercanics

Peter Godofsky

Val Kozina

Reine Li

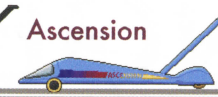
Equinox



Icarus



Ascension



Impulse



Reid Long  
Hannah Lyness  
Elyce Miligan  
Celeste Neary  
Preston Ohta  
Andrew Sun  
Patricia Xu

### Drivers

Natalie Hong  
Rachel Karp  
Allison Lim  
Shannon Lee  
Annie Song

### Pushers

Rachel Browne  
Dagney Cooke  
Philip Garrison  
Kaeli Halbersleben  
Luis Hernandez  
Nat Jeffries  
Gwen Jones

Rika Keener  
Mark McElwaine  
Pat Mead  
Jess Phoa  
Joey Pickens  
Dennis Shih  
Daniel Tabrizi  
Julian Trulear  
Kevin Wang  
Elim Zhang  
Sophie Zimmermann

### Special Thanks

Alumni  
Frank & Lou  
Steven Dieckmann  
Alicia Carrion  
Ryan Davis  
Dan Marsh  
Caffeine  
Duct Tape  
Pancakes



# FRINGE



**“The willing, led by the unknowing, are doing the impossible for the ungrateful. We have been doing so much with so little for so long that we are now qualified to do anything with nothing”**

## Head Mechanic

Linna D Griffin

## Chairman

Preetam Amancharla

## Male Push Captain

Charlton Cheng

## Female Push Captain

Katy McKeough

## Head Driver

Gillie Rosen

## Mechanics

Hunter Rideout  
Aditya Krishnan  
Debbie Basu

Ty Van Der Zande

Edward Cai

Christina (Nina) Flores

Vicky Hwang

Shivani Jain

Aubrey Higginson

Vivek Nair

Brad Hodge

## Drivers

Gillie Rosen

Madison Scott

Nina Flores

Helen Kim



## Pushers

### Female

Katy McKeough  
Beki Almasi  
Mel Anderson  
Nikita Budwal  
Chandler Caufield  
Shivani Jain  
Aspen McKeever  
Rachel Schaffer  
Abby Smith  
Lydia Utkin  
Mikahla Vicino  
Aubrey Higginson  
Emma Williams  
Jackie Yeung  
Sophia Zikanova  
Rachel Piero  
Ariana Zito-Wolf

### Male

Charlton Cheng  
Kevin Burg  
Paul Chao  
Graham Harvey  
Brad Hodge  
Dominic Liu  
Phil Massey  
Kincaid Murray  
Vivek Nair  
Ivan Otero  
Max Regan

Hunter Rideout

Jake Scherlis

Aashil Shah

Isaac Shelby

Ryan Zhou

### Thanks:

Girl Scout cookies, Yoda ears, Bale forts, Citi group, Pentagrams, Australian enthusiasts, Joan Griffin and her army of female panelists, Blue tape, The Penguin, Booth barricaders, Bike Lights, Spirit, Future female push captain Niki, Norman Reedus, Mr. Leskovic, Hunter's corner, Achilles, Apex balers, Udaya, Future Mechanic Terence, Jim Rideout, Mike Velez, John Dieser, Sam Swift, Eli Murphy-Trotzky, Josh Hixson, Adam McCue, Ray Barsa, Mike Mackin and all Fringe Alumni!

### No Thanks:

The Ho, Tina Belcher, USPS, that one dog that peed on the hay bales that one time, Signs held up by a single nail, Nina's doorbells, The Neverending story, Not future Push captain Niki, Breetam, Shivani's cookies, broken taps

# PHI DELTA THETA



"Do More"

## Chairman

Alex Russell

## Drivers

Sandy Jiang  
Sarah Beth Deluty

## Mechanics

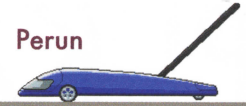
Borge Feliz  
Graham Arthur  
Pav Nair  
Steven Wang  
Matt MacKinney  
Vibhav Ganesh

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## Pushers

Abdel Bourai  
Brian Brazon  
Cameron Hall (Captain)  
Colin McCullough  
Emily Bram  
Erica Huang  
Gabrial Ostolaza  
Gail Wilson  
Jason Wang  
Jean Haddad  
Jeffrey Chan  
John Cutlip

Perun



Laura Lodewyk  
Linda Chen  
Mat Gray  
Max Kaplan  
Scott Holmes  
Sebrand Warren  
Shae Hart  
Vivek Nangia

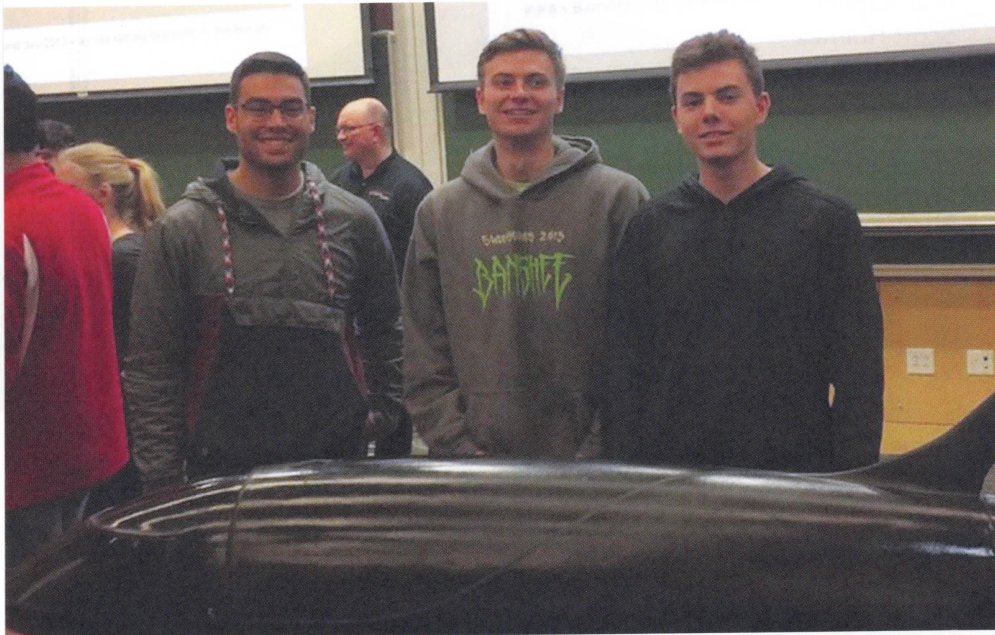
## Thanks

Edward Cao  
Kappa Delta Rho



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# PI KAPPA ALPHA



## Charimen

David Power  
Richie Spaulding  
Carter Sharer

## Drivers

Yisu Wang - Advisor  
Anna Zhang - Head Driver  
Alicia Iott  
Selena Norman

## Mechanics

Lucas Bruder  
Charlie Aguilar  
Matthew Dawson  
TJ Murray  
Kevin Zhao

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## Carry Team

Alec Abitbol - Captain  
Alex Dintino  
Ankur Toshniwal  
Alan Vurgait

## Pushers

Gabe Renna - Captain  
Amy Friedman - Captain  
Avinash Patel  
Charlie Krasuski  
Jack Shabin  
Evegni Zhitomirskiy  
Adrian Del Bosque  
Andrew Nickell  
Andrew Fernandes  
Jackson Reed

Banshee



Raptor



Aaron Brown  
Doug O'Connell  
Katie Liston  
Danae Papis  
Jess Uphoff  
Gabby West  
Emily Swanson  
Sommer Farber  
Keely Jelinek  
Charles Gauthey  
Paul Kioko  
Thomas Priete  
Evan Byrd  
Brian Saravia  
Dominic Akerele

## Support

Suraj Vasishtha  
Joel Lankford  
Zach Geller  
Matt Klein

Matthew Dezenzo  
Chris Wysocki  
Martin Smith  
Nikhial Mohan  
John Ciaccio  
Chris Essex  
Maksim Horowitz  
Misha Kutsovsky  
Gabriel Mitchell  
Ro Reynolds  
Rohan Saigal  
Connor Siwik  
Diego Schaps  
Paul Brachita  
Chris Chan  
Matthew Greenberg  
Matthew Hsieh  
Brendan Lee  
Mark Moskwa  
Chris Murphy  
Nick Sacks





# ROBOBUGGY



## “99 problems, but a driver ain’t one”

After RoboBuggy’s (re-re-)return last year as a new Robotics Club project, we’re back again with a brand new buggy. It’s been a long road transitioning from a 15+ year old, rusty metal buggy that was rescued from a dumpster, to designing and building a carbon fiber buggy to call our own. We couldn’t be prouder of what we’ve accomplished and the great friendships we’ve made along the way. We’re happy to be a part of sweepstakes in our own way and hope our presence will continue for years to come.

### Project Lead

Haley Dalzell\*  
Carl Curran\*

### Mechanical

Carl Curran\*  
Matt Lee\*  
Preston Ohta  
Jason Lu  
Danielle Quan  
Steven Cunningham

### Electrical

Zach Dawson\*

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Daniel Hua  
Edward Ahn

### Software

Matt Sebek\*  
Trevor Decker\*  
Ian Hartwig\*  
Audrey Yeoh\*  
Kevin Brennan  
Vivaan Bahl  
Vasu Agrawal  
Sean Buckley  
\*Leaders



We’d also like to give a special thanks to Apex, Jackson Toth, and Elon Bauer for helping us get our new buggy out on time!

# SIGMA ALPHA EPSILON



**“Who is covering SAE’s barricades?”  
- Every Buggy Organization**

**Chairman**

Ben Post  
Eric Collazo  
Kerolos Mikaeil

**Mechanics**

Bernardo Campos  
Juan Portela  
Victor Medina

**Men Pushers**

Dennys Morales  
Max Wilsey  
Neil Carleton

Drew Fitzmorris  
Evans Hauser  
Alex Walencyk

**Women Pushers**

June Hammer Walitzer  
Bryant Backus  
Becky Greubel  
Livy Dippo  
Emily Vokach-Brodsky  
Emma Livne  
Lindsey Milisits



# SDC



**"I have no idols. I admire work, dedication, and competence" -Aryton Senna**

## Pushers

Alex Duncan  
Alex Yang  
Alexandra Cerny  
Alice Zhang  
Alina Rath  
Andrew Nadig  
Anna Hoar  
Benjamin Chen  
Christopher Kwan  
Cody Yang  
Edward Cao  
Genevieve Parker  
Ginger Glass  
Jai Ghose  
Jaime Chu  
Jennifer Jin  
Jeremy Jiang  
Jeremy Meza

Jordan Kunz  
Kajae Jones  
Katelyn Smith  
Lindsay Kincaid  
Lisa Murphy  
Logan Watanabe  
Maegha Singh  
Nastassia Barber  
Nathan Grathwohl  
Nathaniel Biggs  
Noelle Jung  
Ryan Aguirre  
Sam Simon  
Shannon Ho  
Stephanie Chen  
Zeyneb Majid  
Zoe Zawisa

## Mechanics

Malice

Bane

Rage



Alex Roman  
Becca Stokes  
Camilla Xu  
Chris Goode  
Christopher Kwan  
Connie Wang  
Dan Francis  
Drevin Galentine  
Mario Engmann  
Omer Elhiraika  
Rajat Mehndirata  
Stephanie Chen  
Xiaorui Li  
Zoe Falk

## Drivers

Annie Black  
Elizabeth Ji  
Jing Xiao  
Maggie Yang

## Special Thanks

The Perfect Man  
Alex Long  
Mr. Price  
Nut  
Jana & Kris Borer  
DF  
Wade  
Mike  
Muñoz  
Riley  
Michelle  
Jeremy  
Mark Roboff  
Laura

Sunny  
Siwon  
Casey  
Hat Jon  
Gessner  
Tallex  
NickMo  
Drew  
Orzalli  
Annie  
Adam Borochoff  
The Duck  
Mira  
Won  
Tris  
Derek  
Kathy  
Jung  
Allen  
Emily Lee  
Josh Ayers  
The Skunk  
The Captain  
Ron & Kristina Miller  
Meridith & Lars Hanson  
The Man  
Chris Stengel  
the Vandermarks  
all alumni  
Bryan Koval, Jordan and SDC  
GenBody  
Sweepstakes and our friends, fans, and supporters

# SIGMA PHI EPSILON



Virtue, Diligence, Brotherly Love

## Chairman

Jack Kaplan

## Head Mechanics

Deepak Ravi  
Aaron Sentis

## Mechanics

Berk Alper  
Derek Hirata  
Habiba Shalaby  
Alex Woodward  
Harley Montano

## Push Captains

Mya Snyder  
Alp Erbug  
Xavier Contreras

The Main Man: Anthony "Star-  
Lord" Corletti

Barracuda



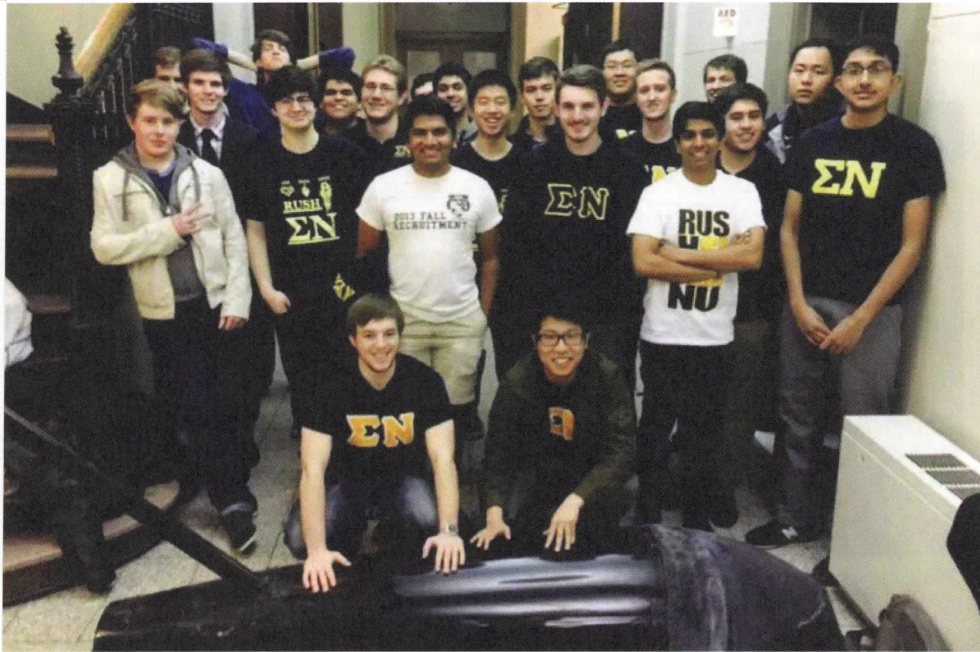
Kraken



Pandora



# SIG NU



"Your wheels suck."

**Chairman**

Jason Lee

**Driver:**

Raisa Chowdhury

**Pushers**

Ross the Boss  
Gingoo  
Frat  
Georgy Boy  
Dylan

**Mechanics**

Sudev  
Yan Corbit  
Fim  
Fig

**DOO YO HOMEWUK**

Andrei  
(Sig)Manu  
Shredder  
Connor  
Seth  
Duke Feng  
Thunder Throat  
Buggy Chair 2.0  
Cristian

**Pushers**

Ross the Boss  
Gingoo  
Frat  
Georgy Boy  
Dylan

**Flaggers**

Vijayyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

yyyyyyyyy

Raph

The Janitor:

Luisx

**The Zoo Would Like to Thank:**

Rebean

The Wheelfather

Rusky

All those in the ESP family



# SPIRIT



Spirit Buggy is more than a team, it's a family. Thirty years ago Spirit formed a buggy team in order to participate more in campus events. Here we are today with generations of hard work and dedication behind us, and many more to come. Each member brings creativity, intelligence, passion, and a little uniqueness to the table. We are proud to have an unmatched coalition of cultures and people working together to win.

## Chairmen:

Natalie Arguello  
Daniel Campos Zamora

## Push Captains

Isaiah Edmonds  
Malik Parker

## Head Mechanics:

Efrain Barbosa  
Hope Dohner

## Data Chair

Josh Mark

## Head Driver:

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Shaleena Jeeawoody

## Head Flagger:

Courtney Chambers

## Fleet

Inviscid  
Kingpin II  
Seraph  
Zuke

## Drivers

Alyssa Casamento  
Feyi Quadri  
Sussy Romoleroux

Seraph



Mapambazuko

Inviscid

## Flaggers

Jessica Jackson  
Michelle Mann

## Data

Annsley Lucas  
Nigel Noriega

## Design

Kathy Lee  
Edrei Rodriguez  
Nehemiah Russell

## Mechanics

Roberto Andaya  
Lanre Adetola  
Luis Arreaga  
Ben Corwin  
Shaun Ford  
Sam Hassel  
Gilly Johnson  
Josie LaCoe  
James McMurray  
Will Milner  
Alex Moy  
AJ Pichardo

## Pushers

## Men

John Bailey  
Isaac Barretto  
Myles Blodnick

Kameron Bradley  
Kayode Dansalami  
Ryan Flood  
Aalique Grahame  
Marcus Greer  
Wole Idowu  
Chris Jerome  
Wesley Jones  
Lumumba Kamguia  
Jordan Marion  
Alvan Mbongo  
Shannon McCullough  
Glenn Philen  
Emmanuel Samuels  
Stephen Scott  
Kofi Som-Pimpong  
Josh Solarek  
Will Milner

## Women

Iris Stegman  
Yaminah Carter  
Seyonna Christian  
Njarie McKoy  
Tundun Oladipo  
Jilisa McCullough  
Clare Lee  
Andrea Gray  
Sabrina Estudillo  
Jose Ventimilla



# SUPPORT ORGANIZATIONS

# 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. Licensed by 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.

Chief Laura Carroll, EMT\*  
Captain Blaise Loughman, Paramedic\*  
Supervisor Alexa Smith, EMT\*  
Supervisor Gabe Diamond, EMT  
Crew Chief Emily Bram, EMT\*  
Crew Chief Isaiah Lomax, EMT\*  
Crew Chief Tom Goode, EMT\*  
Crew Chief Jeff Cooper, EMT  
Connor Smith, EMR  
Nate Horan, EMR  
Carolyn Vanek, EMR  
Jenn Kuflewski  
Nathalie Chen

Nicole Bustos

And an extra-special thanks to Responder Ryan Davis, EMR, for staffing almost every buggy stand-by this year.

\*Denotes an EMS Executive Board Officer."

# CMUTV



The 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.





# BAA

**"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 17) 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



**BUGGYALUMNI**  
ASSOCIATION

# 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.

## Sweepstakes would like to honor the oldest living buggy alumnus, Joseph Thomas!



**Joseph Thomas A'38**  
**Team PiKA**  
**100 years old**

Honoring oldest living Buggy alumnus Joseph Thomas A'38 100th birthday, March 23, 2015



# SPECIAL THANKS

Sweepstakes would like to thank the following people for helping to make Raceday 2014 a success:

Alumni Relations (Lindie Droulia and Laurel Bosshart)  
 Anne Witchner  
 Ben Matzke and the Buggy Alumni Association  
 Carnegie Mellon EMS  
 Carnegie Mellon Police  
 City of Pittsburgh EMS  
 City of Pittsburgh Police  
 cmubuggy.org  
 cmuTV  
 Dan Gilman  
 Environment Health & Safety  
 Jess Thurston

Joe's Hot Dog House  
 Kaycee Palko  
 Phoenix Sport Technology  
 Rick Caruso  
 Spring Carnival Committee  
 Student Activities  
 Student Life  
 Student Senate  
 Taylor Rental  
 Tom Wood  
 Viewpoint  
 W3VC (Radio Club)  
 WRCT

## BUGGY SPONSERS



# CARNIVAL SCHEDULE

Thursday April 16 - Sunday April 19, 2015

## THURSDAY

Time	Event
12:00-1:00 PM	<b>A Data Scientist's History of Buggy</b> Cohon University Center Wiegand Gym
12:00-2:00 PM	<b>Buggy Showcase</b> Cohon University Center, Wiegand Gym
8:00-10:00 PM	<b>BAA Social Hour</b> Hough's Taproom & Brewery, 533 Greenfield Ave

## FRIDAY

Time	Event
8:00 AM-12:00 PM	<b>Sweepstakes Preliminary Races</b> Schenley Park, course on Tech, Frew & Schenley
12:30-2:00 PM	<b>Buggy Alumni Association Luncheon</b> Baker Hall, Coffee Lounge
2:00-3:30 PM	<b>Buggy Alumni Panel</b> Baker Hall, Giant Eagle Auditorium

## SATURDAY

Time	Event
9:00 AM - 12:00 PM	<b>Sweepstakes Final Races</b> Schenley Park, course on Tech, Frew & Schenley

# HEAT SCHEDULE

PRELIMINARY RACES 2015

## WOMEN

HEAT	LANE 1	LANE 2	LANE 3
1	SDC C	CIA D	Fringe D
2	Spirit A	Fringe B	PhiDelt A
3	SigEpA	Apex B	CIA B
4	SDC B	PiKA A	Fringe C
5	CIA A	SigEp B	SAE A
6	Fringe A	Spirit B	CIA C
7	SDC A	AEPI A	Apex A

## MEN

HEAT	LANE 1	LANE 2	LANE 3
1	Sig Nu A	Fringe B	AEPI A
2	SDC C	SigEp B	
3	CIA A	PiKA B	
4	Spirit A	SigEp C	Apex B
5	Fringe A	CIA B	PhiDelt A
6	SDC B	Spirit B	CIA D
7	SigEp A	Apex A	Fringe D
8	PiKA A	Spirit C	CIA C
9	SDC A	Fringe C	SAE A