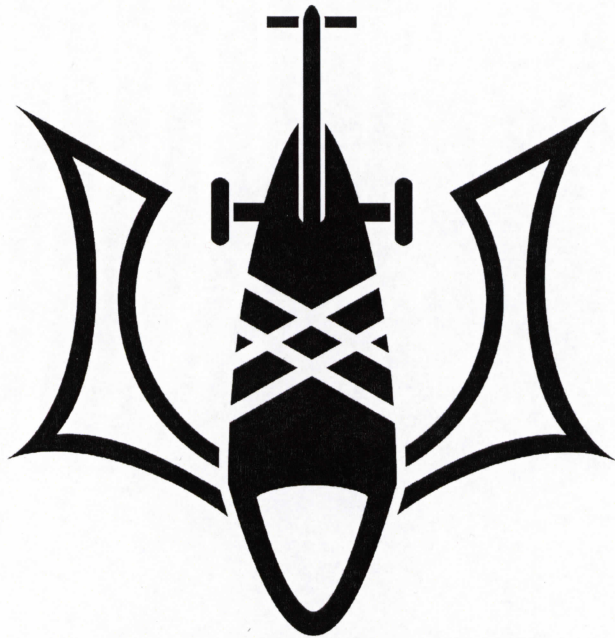


The image features a dark, almost black background. On the left side, there are several vertical lines of varying widths and colors, including shades of blue and green. The right side of the image is dominated by a large, curved, abstract shape that resembles a stylized letter 'L' or a similar form. This shape is filled with a vibrant, multi-colored gradient, transitioning from bright yellow at the top to a deep green at the bottom. The overall aesthetic is modern and abstract.

SWEEPSTAKES 2016

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CARNEGIE MELLON UNIVERSITY SWEEPSTAKES 2016

I'd like to thank Aubrey Higginson, Elon Bauer, my art friends, and the Sweepstakes Committee for helping me put this book together.

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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 Buggy began its 96-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 in 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 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

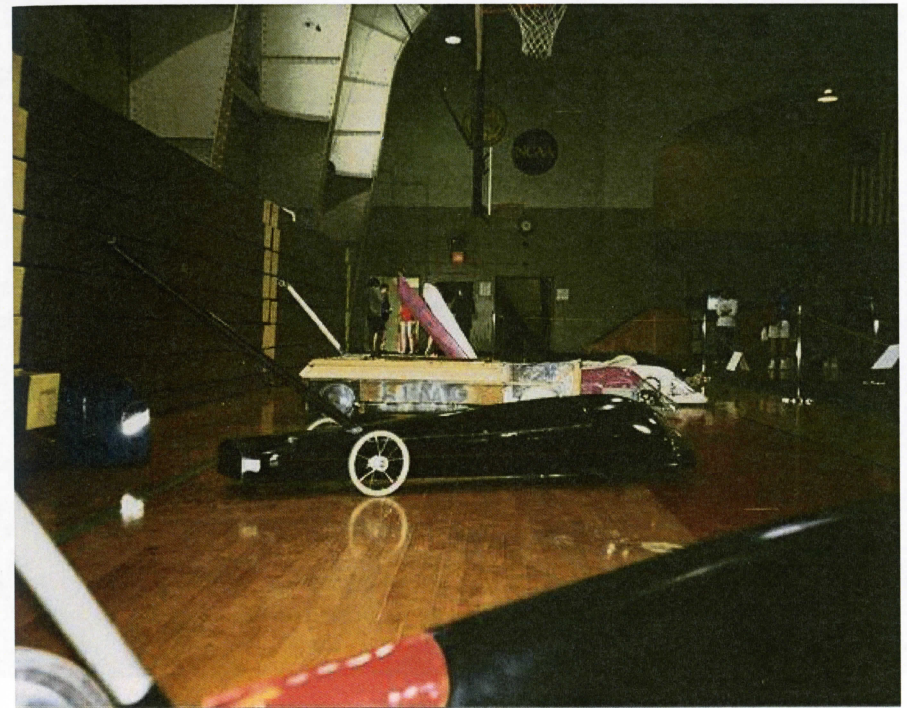
As the years progressed, buggies became lighter and more aerodynamic. Buggies began to follow innovations in materials science and mechanical engineering closely as early as the 1930's.

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 composites 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 teams used pneumatic wheels. 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.



2016

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 - A vehicle built, operated, and pushed by CMU students for the races held during Carnival.

Buggy - 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 at Frew Street and Schenley Drive.

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 Raceday where up to three teams race against each other at the same time.

Hills - Slang term for the buggy course, divided into five sections, each with an individual pusher.

Pushbar Rule - The Hill 5 pusher must have a hand on the buggy as the nose of the buggy 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 Raceday.

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

The Team

Every team has the following members:

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

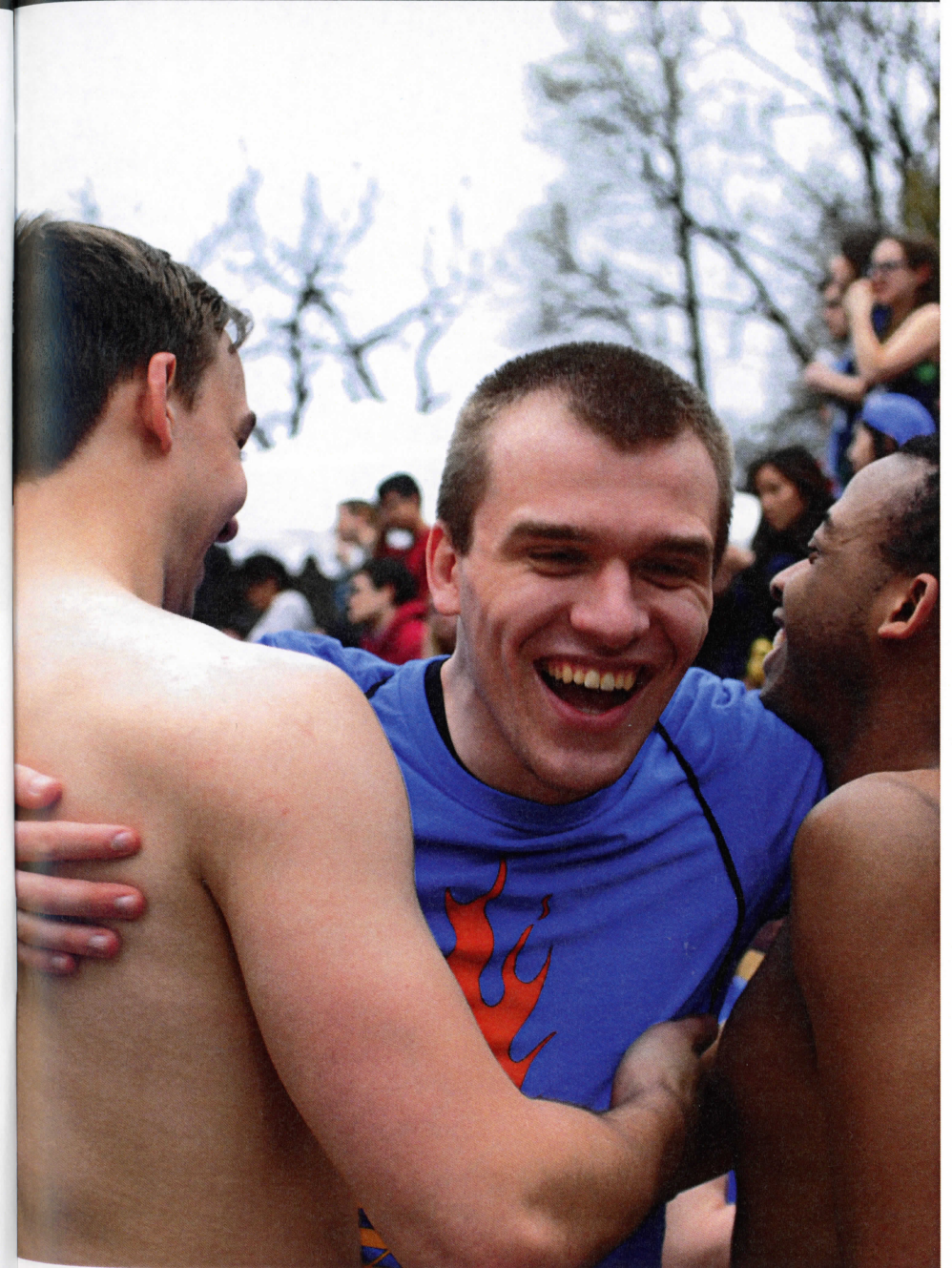
Mechanic - Builds, maintains, and manages their team's buggies year-round: the off-the-track heroes.

Pusher - The athletic force behind every buggy on the course. Five are required for each buggy on Raceday.

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 - The follow car trails the buggies during rolls, making sure they go through the course safely.





THE DRIVER

One:

It's 11 am and two friendly strangers (one very tall, one very short) are showing me a buggy closeup for the first time. It's emerald green with swooshes of bright orange and I love it. I fit.

It's 5 pm and I just finished capabilities testing in my fourth buggy this year. Each one is a little different. This one is kind of large for me, but I like the crinkling sound it makes.

It's 1 am and I'm struggling to pull myself out of the buggy. My arms feel like limp noodles and I can tell that my shoulders are going to hurt tomorrow. A pusher gives me a highfive. I miss a little.

Two:

It's 8 am and I realize the buggy isn't turning. I brake as much as I can, but I still get a faceful of hay. EMS rushes over, but I just have a few scrapes and bruises, nothing major, thank goodness.

It's 10 am and freezing. I'm waiting in the truck with a pusher and a mechanic, hoping that the drizzle will stop. We shout at the sky, but it's not listening. We take a selfie to remember our rained out raceday.

Three:

It's 12 pm and I'm standing next to a hospital bed. The other driver says she's doing okay, but she doesn't look so great. I remember how I chided her for being late in the morning before the crash, and I wonder if she'll ever want to drive again.

It's 4 pm and the whole driver crew is decorating a papermache buggy for a senior gift. There's glitter everywhere.

Four:

It's 7 am and I'm speeding up hill 3, laughing around my mouth guard. The pusher is struggling to catch up as I roll past the fire hydrant. Today's a good day.

It's 5 am and i'm handing out googly eyes to my whole team. Soon Bolt's hatch has two eyes on it.

Beacon's has nine.

Gillie Rosen, Fringe



THE MECHANIC

It's Raceday. You've done all you can do. The countdown is running. It's getting closer to zero. You put your wrenches down. You carry the buggy out. 10...9...8. The buggy is on the line. There's nothing else you can do. You've spent all year and your time is up. The race hasn't even started yet but you've done your part. For mechanics this moment is hard. You're more invested than anyone else. You're always building, always improving. Now you're powerless. You cheer as loud as you can. You get ready to catch at the finish line. You cross your fingers. You hope that nothing goes wrong. It's the longest two minutes and four seconds of your life.

As a mechanic everyone is counting on you. You're not there for the glory. If you've done your job perfectly no one will ever know you did anything at all. People can see the pushers. They know who the drivers are. The mechanics are truck minions. We work quietly behind the scenes. We're the first ones up before rolls and the last ones to leave. We're never really asleep and we're never really awake.

When people ask me why I get up at four in the morning, when they ask why I know how many 10 foot wooden barricades I can fit in my four door sedan, when my freshman roommate asks me where I was after not seeing me for 4 days, the answer is always the same: Buggy. I do it because I love the sport, I love the community and I love my team.

We build buggies we'll never fit in. We let someone faster push it. We forgo sleep. We do buggy because we love buggy.

SDC Ready?

SDC Roll

Chris Goode, SDC



THE PUSHER

I never enjoyed running. Back in middle school, I quit the soccer team because they made us run laps around the field before practice. I milked a minor foot injury to sit on the bench during track. Tennis? Too much of a hassle to hustle. Yeah, I like frisbee, but that's mostly for the jumping and the throwing.

But as soon as I pushed a buggy, I didn't want to stop. Pushing is exhilaration with the wind in your face. It is teamwork in the form of a relay race. It is a connection between pusher and driver. It is my favorite thing at CMU.

It's safe to say that I caught the bug. My mission as push captain has been to infect other people with my passion and enthusiasm.

I'm a pusher. I push people.

Max Kaplan, Phi Delta Theta



PAST AWARDS

Men's Times

Year Winner Time

2015	SDC	02:12.4
2014	SDC	02:04.5
2013	SDC	02:05.0
2012	SDC	02:05.8
2011	Fringe	02:05.1
2010	Fringe	02:07.5
2009	SDC	02:03.3*
2008	PiKA	02:04.3
2007	PiKA	02:07.4
2006	PiKA	02:07.3
2005	PiKA	02:07.9
2004	PiKA B	02:11.7
2003	PiKA	02:10.1
2002	PiKA	02:09.2
2001	Fringe	02:09.1
2000	PiKA	02:07.4
1999	PiKA	02:09.7
1998	Spirit	02:09.5
1997	Spirit	02:11.9
1996	PiKA	02:08.1
1995	PiKA	02:10.0
1994	PiKA	02:09.2
1993	Spirit	02:10.4
1992	Spirit	02:07.4
1991	Spirit	02:10.6
1990	PiKA	02:07.1

Year Winner Time

1989	Spirit	02:06.6
1988	Spirit	02:06.2
1987	Spirit	02:11.3
1986	PiKA	02:08.7
1985	SigNu	02:09.1
1984	PiKA	02:09.5
1983	PiKA B	02:09.0
1982	SigNu	02:11.5
1981	CIA	02:10.5
1980	PiKA	02:16.4
1979	Beta	02:18.4
1978	Beta	02:23.4
1977	PiKA	02:17.8
1976	PiKA	02:23.3
1975	PiKA	02:19.3
1974	SigNu	02:21.4
1973	PhiKap	02:25.4
1972	PhiKap	02:24.0
1971	PiKA	02:28.5
1970	PiKA	02:28.5
1969	Beta	02:29.6
1968	PiKA	02:20.9
1967	PiKA	02:24.8
1966	Beta	02:27.8
1965	Beta	02:28.7
1964	Beta	02:31.5

*Asterisk denotes current record time

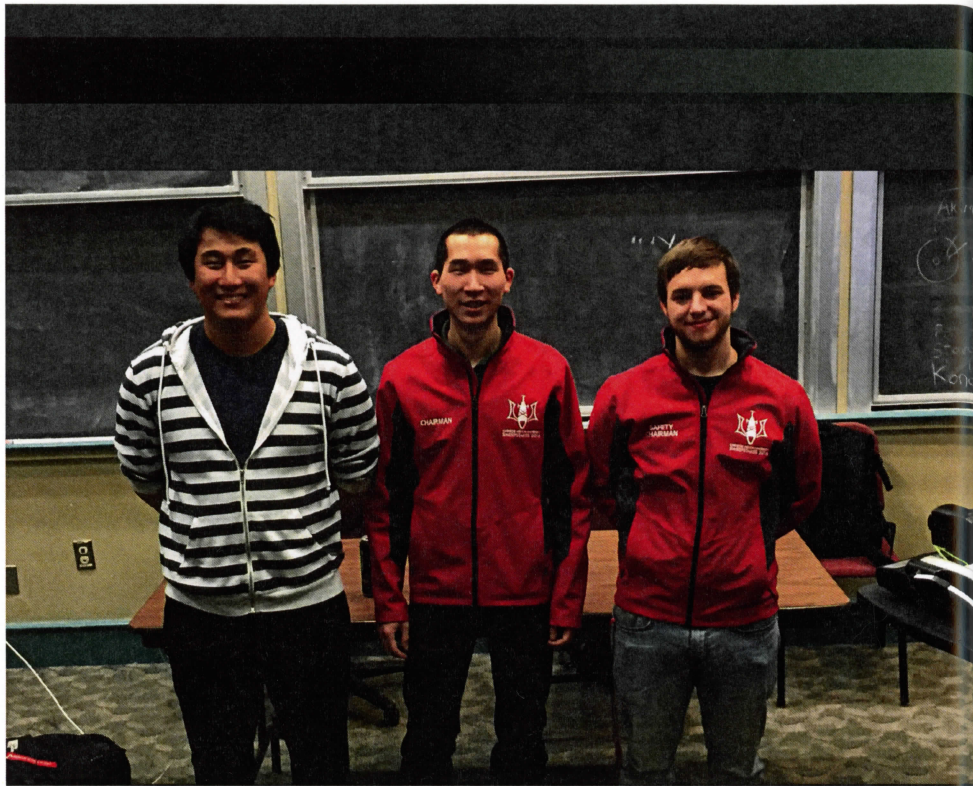
Men's Times

Year	Winner	Time	Year	Winner	Time
1963	PiKA	02:34.0	1935	Beta	02:47.2
1962	ATO	02:27.5	1934	KapSig	02:49.7
1961	ATO	---	1933	Beta	02:48.5
1960	ATO	02:34.5	1932	Beta	02:54.8
1959	PiKA	02:29.7	1931	DTD	02:59.0
1958	ATO	02:28.4	1930	Beta	02:57.5
1957	ATO	02:25.0	1929	PhiKap	03:05.6
1956	ATO	---	1928	KapSig	03:04.4
1955	ATO	02:26.0	1927	KapSig	03:15.8
1954	ATO	---	1926	PiKA	03:18.3
1953	ATO	02:30.5	1925	KapSig	---
1952	DTD	02:36.0	1924	KapSig	---
1951	DTD	02:41.6	1923	KapSig	---
1950	DTD	02:41.8	1922	SAE	04:30.0
1949	DTD	02:42.5	1921	ISD	04:38.0
1948	DTD	02:48.0			
1947	DU	---			
1946	DTD	02:49.0			
1942-1945	---	---			
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 Times

Year	Winner	Time	Year	Winner	Time
2015	CIA	02:35.6	1996	Spirit	02:35.9
2014	SDC	02:33.5	1995	Spirit	02:33.0
2013	SDC	02:32.6	1994	PiKA	02:42.8
2012	SDC	02:30.7	1993	PiKA	02:38.7
2011	SDC	02:35.0	1992	Spirit	02:33.5
2010	Fringe	02:40.6	1991	PiKA	02:37.3
2009	SDC	02:25.6*	1990	PiKA	02:36.3
2008	SDC	02:28.8	1989	Spirit	02:37.0
2007	SDC	02:31.0	1988	PiKA	02:40.0
2006	PiKA	02:38.5	1987	Spirit	02:37.3
2005	Fringe	02:37.9	1986	Spirit	02:38.8
2004	PiKA	02:29.8	1985	CIA	02:45.5
2003	Fringe	02:44.8	1984	PiKA	02:48.6
2002	PiKA	02:30.6	1983	CIA	02:46.5
2001	Fringe	02:34.7	1982	CIA	02:49.3
2000	SDC	02:35.8	1981	SDC	03:04.1
1999	PiKA	02:45.9	1980	CIA	03:06.3
1998	PiKA	02:43.3	1979	SDC	03:11.0
1997	Spirit	02:37.8			

*Asterisk denotes current record time



Sweepstakes Committee 2016

Chairman

Edward Cao

Assistant Chairman

Guochen Shen

Safety Chairman

Griffin Harbach

Buggy Showcase Chairman

Hannah Lyness

Buggy Book Chairman

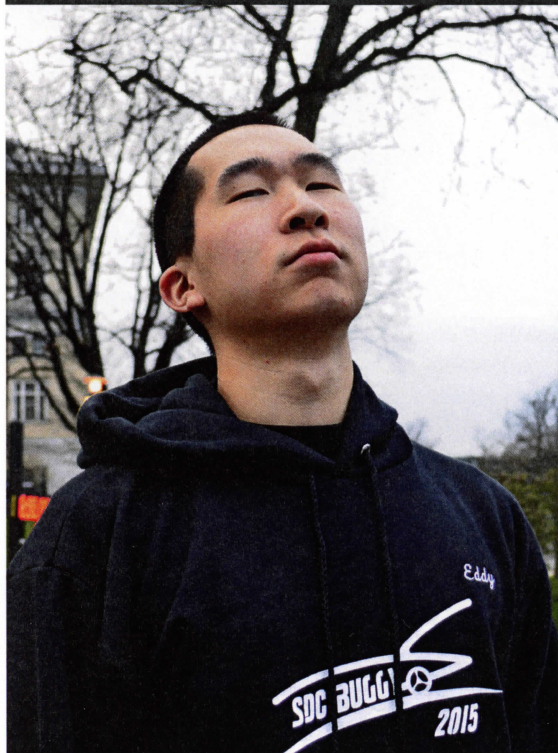
Andrew Chang

SWEEPSTAKES

Past Chairmen

2015	Elon Bauer	1989	Chris Hansen
2014	Lars Wander	1988	Louis (Gino) Cosentino
2013	Josh Hixson	1987	Shawn Stuftt
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 Harllee	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		

SWEEPSTAKES CHAIRMAN



Disclaimer: I have never helped build a buggy before, I have never seen inside my own (past) organization's buggy before, and hell, I've never even seen the inside of the truck. If I was lucky, I got to carry or catch the buggy, while in less fortunate moments I'd be scolded for trying to peer through the tinted windscreens to see inside.

In many respects you could say that I knew nothing about buggy for most of my time here, and I wouldn't even bat an eye if you told me I still know nothing now.

Here's what I do know: Buggy was the defining experience of my CMU college career. It has made me who I am today more so than anything else. Thus my goal for this year was always clear from the start, facilitate participation in buggy for all CMU students. If there were such a position as Buggy/Sweepstakes evangelist, I'd be all over that.

Being on sweepstakes is just yet another chapter of the buggy experience for me, and the most unique one by far. Only this year have I come to appreciate all 11 teams and their very unique and distinct team cultures rather than simply staring them down as "the competition" for Raceday. Only one thing seems to be constant amongst all the teams, and that is the fact that those involved in buggy are among the most dedicated and passionate people I have ever met. That's when I finally realized that what makes Buggy truly special is not the buggies or chasing records, but the people and the community.

I just hope all teams can just take a step back and appreciate this aspect of the crazy and ridiculous sport we call Buggy. I am a firm believer that the most important trait for a team's long term success is team culture and community building.

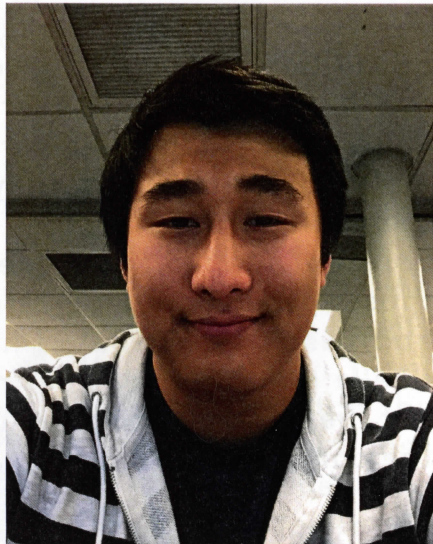
Good luck to all teams for 2016!

P.S. The best part of being chairman is never having to roll my eyes to the phrase "but you're just a pusher..." ever again.

Edward Cao

ASSISTANT CHAIRMAN

It's hard to find students who are willing to sacrifice their weekend mornings for the better part of the school year, waking up (or staying awake) hours before there's any indication of daybreak. But that's exactly what the students participating in Buggy do, on top of the countless hours they spend getting their teams ready for that single race at the end of the year.



It's that sense of dedication and love for this unique tradition that has kept me involved in Buggy all of these years, first as a mechanic and a pusher, and now as the Assistant Chairman. From my spot at the top of the hill, I was responsible for taking roll counts, which was always a challenge, but allowed me to get to know the members of different teams a lot better as they came by to do their rolls. Even though I spent three years on a team before joining Sweepstakes Committee, I gained a better appreciation for the tireless efforts of so many people that make Buggy successful. From the teams who spend hour after hour improving in every way that they can, to the staff who coordinate so many different things all at the same time to make Buggy run smoothly, and to the different organizations who support us during all of our practices and races.

I am amazed by how far every team has come and the progress they have made, not just this year but in all my years of participating in Buggy. Good luck to everyone at Raceday 2016.

Guochen Shen

SAFETY CHAIRMAN

To witness the workings and evolution of Buggy is to understand a competition indicative of the over-achieving, technology-fueled attitude that defines the lives of most students here at CMU. What started off as basically a bunch of frat guys barreling down a street in makeshift crates and carts has developed into a race between uniquely designed feats of engineering built for speed, the maintenance and refinement of which are obsessed over by their teams in pursuit of that elusive first place trophy.



Joining the assortment of Safety Chairs that have come before me, I've been lucky enough to be an inside witness to the product of almost 100 years worth of advancements in pursuit of this prize. To struggle all year for those couple of moments (especially considering the time of day that practices take place) is an admirable commitment for all students involved, and their efforts should be commended. Here's to another 100 years of Buggy. Good luck out there this year you crazy kids.

Dedicated to Jour Hadique.

Griffin Harbach

BUGGY SHOWCASE CHAIRMAN

I decided that I wanted to participate in buggy as a junior in high school while shivering under the Margaret Morrison Rotunda on a guided tour of Carnegie Mellon. As our tour guide explained this unique CMU sport, I knew I could not pass up the chance to be involved in such a novel hallmark.



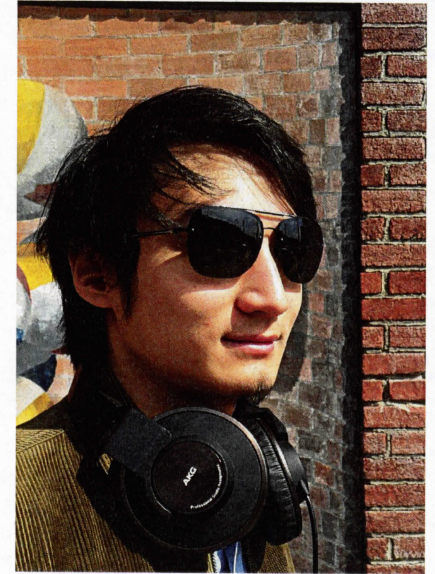
Five years, three racedays and countless 4:00 AM weekends later, I am excited to have the opportunity to be even more involved in this tradition as the Design Competition Chairperson. I hope to facilitate fair evaluation of all the competing buggies and an exciting experience for all Showcase visitors. I am looking forward to this competitive, fun and welcoming event and I hope that everyone has a great time.

Thank you to everyone who has helped me through this process and best of luck to all participants!

Hannah Lyness

BUGGY BOOK CHAIRMAN

Ok so I didn't think I could actually get the job as Buggy Book chair when I replied to the email. I'm a freshman that didn't know about the sport until a few months through the first semester, and I have only managed to go to rolls on Saturdays, if my floormates don't wake me up at 3 am.



With such low exposure to buggy, the fact that I get excited about it every week speaks volumes about the sport. There's something about it that brings together people with incredibly different backgrounds and lifestyles. I want to figure out how buggy does that.

This carnival will be the first ever raceday that I watch. I'm glad to be part of this community and await the coming years with glee.

Andrew Chang

THE TEAMS



ALPHA EPSILON PI



“The Original Pass Test: is there lamb’s blood on the doorpost?”

Chairmen
Enosh Shachar
Sam Zbarsky
Jacob Schofel

Head Mechanic
Sam Zbarsky

Push Captain
Enosh Shachar

Mechanics
Teddy Holthaus
Jacob Schofel
Sam Zbarsky

Men’s Team Driver
Rachel Sniffin

Women’s Team Driver
Nika Postnikov

Male Pushers
Adam Somers
Josh Somers
Alan Menaged
Spencer Dunnison
Elan Rosenfeld

Female Pushers
Rachel McCoy
Zihui Yang
Sally Guo
Dominique Brych
Grace Kao



APEX



"Hi Ho Apex Go!"

Apex began in 2012 when a group of friends living in the Rez had a crazy idea of starting a buggy team. Now in its fifth 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 a lot of fun along the way.

Chairmen
Nicole Tom

Assistant Chairman
Jasio Santillan

Head Mechanic
Chris Kaffine

Assistant Head Mechanic
Zach Shearer

Head Driver
Anna Bandecca

Treasurer
Alisandra Welch

Male Push Captain
Harry Landis

Female Push Captain
Amelia Clark

Mechanics
Alan French
Alisandra Welch
Andre Gutierrez
Andrew Ye
Antonio Freiria
Calvin Chan
Chris Kaffine
Daniela Salazar De Luna
Jasio Santillana
Joseph Wang
Kevin Xuan

Lena Vlahakis
Mark Cho
Nicole Tom
Ryan Christianson
Samantha Wong
Stephen Greco
Trevor Decker
Zach Shearer

Drivers
Anna Bandecca
Erin Hsi
Samantha Wong

Pushers
Alac Lam
Alek Kirchmann
Alex Cline
Amelia Clark
Calvin Chan
Delaney Lam
Felix Liu
Forrest Curlings
Haili Adams
Harry Landis
Jeff Chen
Nicole Winegardner
Phillip Petrakian
Sam Fazel

Sarah Mahler
Stephen Greco
Ryan Christianson
Veronica Jamie-Lara

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



CIA



"If we told you, we'd have to kill you"

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
Reine Li

Assistant Chair
Andrew Sun

Head Mechanic
Val Kozina
Patricia Xu

Build Lead
Andrew Sun
Patricia Xu

Push Captains
Sophie Zimmermann
Julian Trulear
Elim Zhang

PR Chair
Elyce Milligan

Secretary
Reid Long

Social Chair
Rebecca Tien

Support Chair
Hannah Lyness

Pancake Chairs
Rachel Karp
Elyce Milligan

Advisor
Conrad Zapanta

Mechanics
Alicia Carrion
Val Kozina
Patricia Xu

Pushermechanics
Bobbie Chen
Jason Kagie
Reine Li
Reid Long
Manny Lopez
Hannah Lyness
Elyce Milligan
Alan Qiu
Andrew Sun
Rebecca Tien
Ben Warwick
Jean Zhang

Drivers
Ari Daly
Natalie Hong
Amy Hung
Yushuan Peng
Victoria VanBenschoten

Pushers
Jordan Aaron
Andrew Chang
Noah Fatsi
Luis Hernandez

Nat Jeffries
Aldy Lawantara
Vince Liu
Catherine Luo
Nick Tackowiak
Julian Trulear
Kevin Wang
Sarah Winget
Sophie Zimmermann
Elim Zhang

Special Thanks
Alumni
Frank & Lou
Allison Lim
Ben Hauser
Steven Dieckmann
Dan Marsh
Caffeine
Duct Tape
Pancakes
Mountain Dew
Puns
Snapchat
Skibro Gym
Taylor Swift



FRINGE



“We have done so much with so little for so long that now I am sure we can make anything out of nothing”

Co-Head Mechanics
Linna D Griffin
Hunter Rideout

Chairman
Preetam Amancharla

Male Push Captain
Kincaid Murray

Female Push Captain
Mikahla Vicino

Head Driver
Gillie Rosen

Drivers
Gillie Rosen
Madison Scott
Nina Flores
Helen Kim
Amy Chen

Mechanics
Michelle Bai
Debbie Basu
Nikita Budwal
Edward Cai
Eison Chiang
Vicky Hwang
Rebecca Li
Udaya Malik
Diya Nuxoll
Max Simpson
Jackie Singer
Dave Singh
Bryan Tiggs
Gordon Wissinger
Ty Van Der Zande

Female Pushers
Mikahla Vicino
Monica Barragan
Nikita Budwal
Amy Chen
Xi Chen
Erin Dieringer
Dominique Escandon
Nadia Florman
Veronica Lopez
Sloane Macklin
Udaya Malik
Diya Nuxoll
Rachel Piero
Noelle Toong
Sarah Tracy
Sophia Wang
Zoe Zawisa

Male Pusher
Kincaid Murray
Andy Birla
Jacob Brooks
Paul Chao
Eison Chiang
Trevor Hadick
Brad Hodge
Sid Lothar
Shouvik Mani
Alex Muralles
Ivan Otero
Jelani Parrish
Sammy Passell
Hunter Rideout
Jake Scherlis
Evan Schindewold
Max Simpson
Dave Singh
Tahj Spigner
Long Tran
Eric Wang
Andrew Wissinger
Gordon Wissinger
Josh Zak

Special Thanks
Cheese Lightning
Girl Scout cookies
sour gummies Pentagrams
CIA Balers
Jim Rideout for super driver harnesses
Dan Nuxoll for master air-bending skills
Josh Hixson
Adam McCue
Ray Barsa
Mike Mackin and all Fringe Alumni!

No Thanks
Bicycle boy
Breetam
iSwag
Hard foam
fake epoxy
a non-self-cleaning froom



FISHING CLUB



"Gone Fishing"

Chairmen
David Power
Carter Sharer
Robert Reynolds
Vivian Qiu

Head Driver
Anna Zhang

Drivers
Sera Lim
Steph Chen
Alicia Lott

Mechanics
Charlie Aguilar
Lucas Bruder
Charlie Aguilar
Kevin Zhao
Ryan Barrett
Jesus Shancey
Willy Clark
TJ Murray

Follow Car Captain
Squid

Push Team Captains
Avinash Patel
Gabe Renna
Katie Liston

Special Thanks
Sweepstakes
Fringe
SDC
CIA
SigEp
SAE
Apex
PhiDelt
PiKA
Ben Matzke



PHI DELTA THETA



"I'm a pusher. A buggy pusher."

Chairman / Head Mechanic
Alex Russell

Head Driver
Sarah Deluty

Push Captain
Max Kaplan

Drivers
Anny Fan
Kamakshi Bhargava

Female Pushers
Emily Bram
Emily de Grandpre
Erica Huang
Gujri Singh
Linda Chen

Male Pushers
Abdel Bourai
Akhil Kemburu
Ata Numanbayraktaroglu
Charles L
Douglas Qian
Eric Hong
Fletcher Woodruff
Jean Haddad
Jeff Chan
Malcolm Fitts
Shreyas Gatuku

Mechanics
Graham Arthur
Gus Angulo
Hans Kumar
Luis Ball
Matt MacKinney
Mickey Velado
Pav Nair
Pieter de Buck
Vibhav Ganesh
Special Thanks
Adam McCue
Sarthak "Money" Dighe

Special Thanks
Adam McCue
Chairman Edward Cao
Sarthak "Money" Dighe
The ladies of KKG for being our
women's team
The brothers of KDR for lending
us Perun
The Sweepstakes taxmen for
taking our coffee and doughnuts



ROBOBUGGY



“99 problems, but a driver ain’t one”

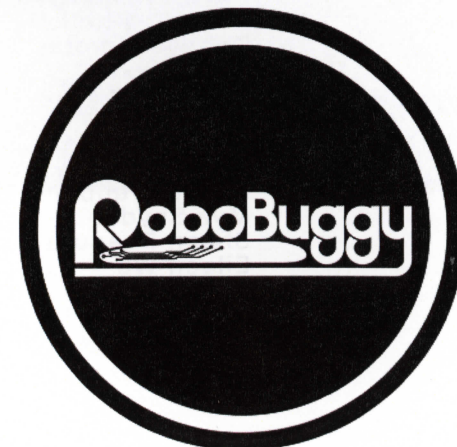
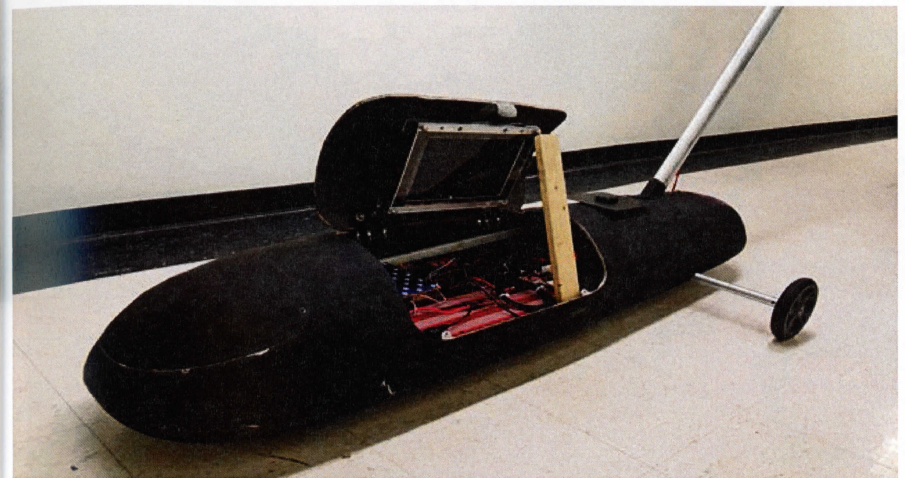
Robobuggy is back again this year, continuing on the quest to create a fully autonomous buggy. This year, our team has continued to grow and mature, pulling in a fantastic group of new recruits who have (quite literally) put in blood, sweat, and tears to get Transistor ready for raceday. While Transistor may look like the same buggy as last year from the outside, there has been a total overhaul this year under the hood. With new steering, brakes, electronics, and thousands of lines of new code, Transistor has officially begun autonomous operations. Will we make it autonomously around the course on raceday? Only time will tell. But whatever the result, Robobuggy is here to stay and proud to welcome in a new era in buggy!

Chairman
Zachary Dawson

Mechanical
Sahngjoon (Matthew) Lee
Dani Quan
Benjamin Landis
Eric Barrett
Michael Tran
Shawnee Zheng

Electrical
Ian Hartwig
Brad Powell
Jeremy Meola
Spencer Early

Software
Trevor Decker
Vivaan Bahl
Sean Buckley



SIGMA ALPHA EPSILON



"We show up to buggy without caping
and without barricaders"

Head Chairman
Eric J. Collazo

Chairman
Bernardo Campos
Bryant Backus

Driver A
Eileen Wu

Driver B
Hee Jung Koh

Male Pushers
Bryant Backus
Drew Fitzmorris
Connor O'Kelly
Dennys Morales
Max Willsey
Alex Walenczyk

Female Pushers
June Walitzer
Becky Greubal
Mya Snyder
Shaan Phagura
Eileen Wu



SIGMA NU



"There is no escape"

Chairman
Dylone Jefferson

Mechanics
Vijayyyyyy
Shmo
Seth
Anubis Jizzwal
Shredder
Charlie
Duke Feng
Nate
Ajay
Andrei
Brad
George

Driver
Raisa Chowdhury

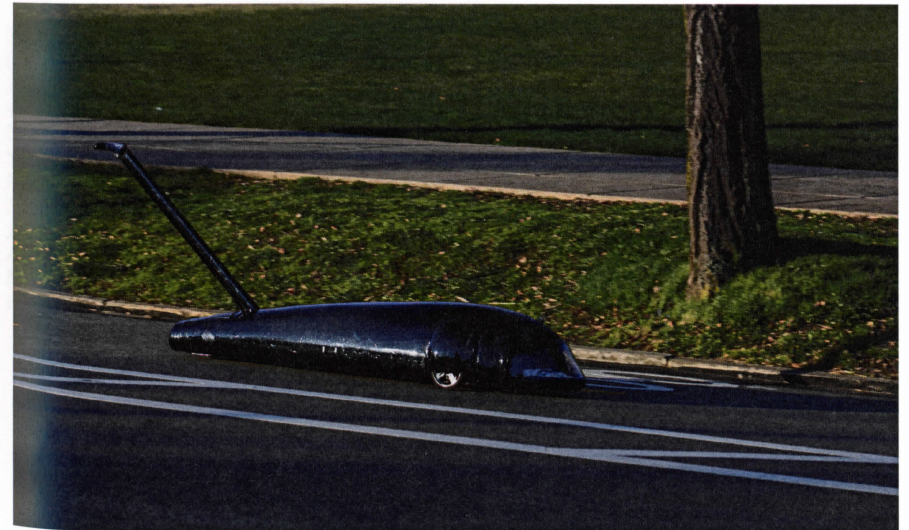
Buggy
Bungarus Krait - 2009

Pushers
Horace
Sam Adams
(sig)Manu
Gongo
Parker
Ross the Boss
Patrick Star

Flaggers
Sudev
The Fig
Johnny Boy
Cristian

The Janitor:
Timmmyyy!!

The Zoo would like to thank:
Rebean
The Wheelfather
Rusky
And all those in the ESP today



SDC



"The key is not the will to win. Everybody has that. It is the will to prepare to win that is important." – Bobby Knight

Drivers

Annie Black
Elizabeth Ji
Kyoko Inagawa
Maggie Lin

Mechanics

Drevin Galentine
Chris Goode
Connie Wang
Christopher Kwan
Omer Elhiraika
Becca Stokes
Dan Francis
Camilla Xu
Cody Yang
Rajat Mehndiratta
Ryan Aguirre
Xiaorui Li
Fernando Canari
Alex Noring
Anyi Diao
Boyao Yu

Isabelle Chevallier

Joyce Chen
Matteo Longo
Ray Galeza
Olir Liburd
Isha Iyer

Pushers

Alex Duncan
Alex Noring
Alex Yang
Alexandra Cerny
Ben Chu
Boyao Yu
Brandon Foster
Brian Khoury
Brigitte Quirk,
arly Jordan
Cody Yang
Danny Vedova
Devin Cortese
Eli Workman
Emily Chen

Genevieve Parker
Ginger Glass
Ilan Biala
Jackie Hudepohl
Jai Ghose
Jaime Chu
Jake Silverman
Jason Deng
Jenn Mayberger
Jordan Kun
Kajae Jones
Katelyn Smith
Lindsay Kincaid
Lisa Murphy
Madeleine Anderson
Maegha Singh
Mary Garrett
Mary St. John
Matt Carroll
Matteo Longo
Maya Holay
Mira Shukla
Oliver Liburd
Ray Galeza
Roman Kaufman
Ronit Banerjee
Ryan Aguirre
Sam Benger
Shannon Finnerty
Sogu Sohn

Special Thanks

Suzy and Mike Darcy
Jeremy
Wade
DF & Kathy
Sunny & Laura
Michelle
Melisa
Julian
Alex
Mr.Price
Kyle, Jing

Hat Jon
Emil
Brian
Derek
the Man
Tris
Muñoz
Riley
Greg
Jung
Rachel
Steph
Nastassia
The Perfect Man
Alex Long
Gessner
Drew
Orzalli
The Captain
NickMo
Adam Borochoff
Josh Ayers
The Duc
Annie
Mira
Mark Roboff
Jana & Kris Borer
Chris Stengel
the Vandermarks
all alumni
Bryan Koval
Dan
SDC GenBody
Sweepstakes
our friends, fans,
and supporters



SIGMA PHI EPSILON



The SigEp Buggy team prides itself on two things: firstly, being a family and secondly, being a great competitor.

Drivers

Sushma Narayan
Madeline Finn
Nazli Uzgur
Sophie Halpern
Annie Song

Head Mechs

Jack Kaplan
Aaron Sentis
Deepak Ravi

Mechs

Berk Alper
Lemmy Olivares
Taylor Tabb
Jonathan Calvello

Push Captains

Ryan Yeh
John Bird

Pushers

Isaiah Edmonds
Alp Erbug
Ben Siegal

Xavier Contreras

Mohammad Ali
Conor Young
Shota Furuhata
Jonathan Calvello
Morgan Stanley
Ian Allen
Cory Bird
Arman Hezarkhani
Alex Nelson
Simon Weishaeupl
Brian Davis
Kristen Flint
Alexis De La Rosa
Alyssa Rodriguez
Amy Fan
Anna Vonderhaar
Linda Yang
Selin Sirinterlikci
Yein Lee
Ivana Vlahovic
Kira Melville
Rebecca Kalmeijer

52

Chairman
Derek Hirata



53

SPIRIT



Spirit Buggy is more than a team, it's a family. Thirty one 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
Malik B. Parker
Hope Dohner

Vice Chairman
Joshua Mark

Push Captains
Chris Bright Jr.
Randy Garcia

Head Mechanics
Lanre Adetola
Josie LaCoe

Head Drivers
Shaleena Jeeawoody
Sussy Romoleroux

Head Flagger
Jessica Jackson

Raceday Drivers
Shaleena Jeeawoody
Diamond Moody
Tina Goparaju
Rebecca Kang

Flaggers
Michelle Mann
Courtney Chambers

Design
Lanre Adetola
Yaminah Carter
Zaria Howard
Kristen Smith
Noel Lau

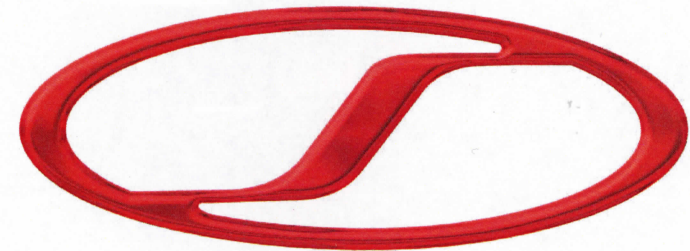
Mechanics
Lanre Adetola
Roberto Andaya
Joel Osei
Efrain Barbosa
Ethan BlessWint
Khalil Williams
Jessica Wu
Samuel Hassel
Matthew Swain
Alex Moy
Chinedu Ojukwu
Mecca Parkert
Nigel Noriega
Omar Alhait
Josie LaCoe
Joshua Mark
Hope Dohner
Sussy Romoleroux

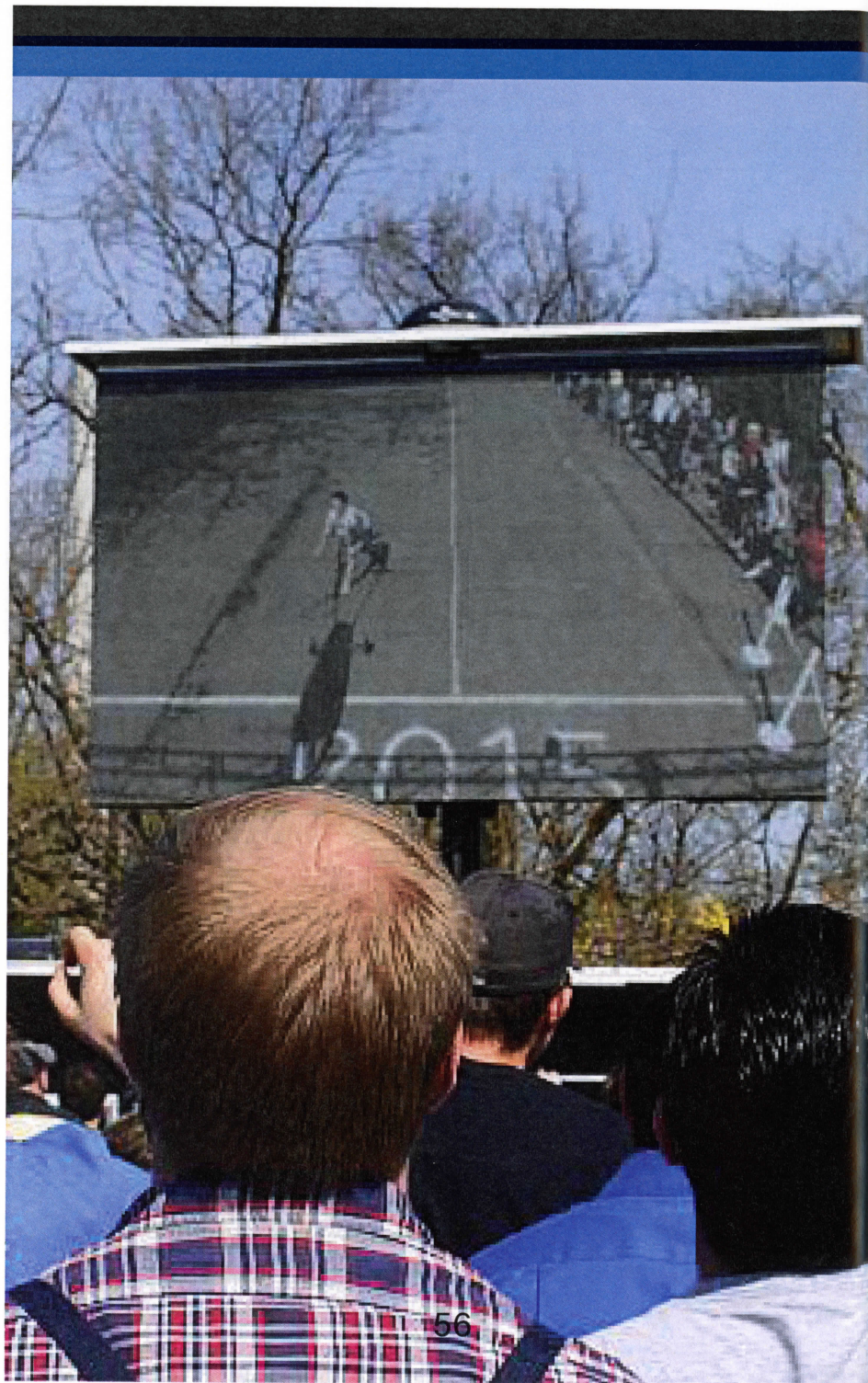
Male Pushers
Jose Veintimilla
Kayode Dansalami
Manny Samuels
Chris Jerome
Obi Adubor
Malik Parker
Will Middleton
Wole Idowu
Rickie Jang
John Bailey Jr
Stephen Scott
Randy Garcia
Chris Bright Jr
Yemi Adebayo

Lumumba Kamguia
Justin Mitchell
Justice Frimpong
Isaac Barreto
Maskana Adedjouman
Chinedu Ojukwu
Lanre Adetola
Andi Arias
Mecca Parker
Seth Henry
James Orwold
Joel Osei
Myles Blodnick

Female Pushers
Rahshel Brown
Yaminah Carter
Yaramo Dione
Noel Lau
Alex Moy
Vivian Nieves
Mayowa Osinowo
Paloma Sierra
Iris Stegman
Akua Oppong
Catherine Mondoa
Tundun Oladipo
Danielle Lyerly
Nikki Baltzer

Fleet
Inviscid
Seraph
Mapambazuko
Zulu Machafuko
Kingpin





SUPPORT ORGANIZATIONS

"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 18) 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



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!



Chief Molly Kaissar, EMT* (2)
 Captain Alexa Smith, EMT* (1)
 Supervisor Blaise Loughman, Paramedic* (1)
 Supervisor Tom Goode, EMT (2)
 Crew Chief Carolyn Vanek, EMR* (2)
 Crew Chief Stephen Nimalasuriya, EMT (3)
 Crew Chief Eleanor Haglund, EMT (1)
 Responder Ryan Davis, EMR (15)
 Responder Connor Smith, EMR (5)
 Responder Blair Rohring, EMR (5)
 Responder Mary Jin, EMR (1)
 Responder Sebastian Murati, EMT*

Responder Amanda Broderick, EMT* (1)
 Probationary Member Brycen Wershing, EMR (1)
 Probationary Member Isabel Bleimeister, EMR (1)
 Probationary Member Israel Madueme, EMR (1)
 Probationary Member Stephen Guo (2)
 Probationary Member Edmund Tong (1)
 Probationary Member Felix Liu (2)
 Probationary Member Max Rerkpattanapipat (2)
 Probationary Member Michael Young (1)

*Denotes an EMS Executive Board Officer.

Number in parenthesis indicates number of roll signups.

Special thanks to Responder Ryan Davis, EMR, for his impressive dedication to the sport.



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.



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!



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 2016 a success:

Alumni Relations (Lindie Droulia and Laurel Bosshart)	Elon Bauer
Anne Witchner	Fedex Kinko's
Anthony Pacella	Joe's Hot Dog House
Ben Matzke and the Buggy Alumni Association	Kaycee Palko
Buggy Showcase Judges	Lou Conley
Carnegie Mellon EMS	Phoenix Sport Technology
Carnegie Mellon Police	Rick & Kevin Caruso
City of Pittsburgh EMS	Spring Carnival Committee
City of Pittsburgh Police	Student Activities
cmubuggy.org	Student Life
cmuTV	Taylor Rental
Environment Health & Safety	Tom Wood
	Viewpoint
	W3VC (Radio Club)
	WRCT

Buggy Sponsors



GoDaddy®

Advanced
Technologies
Center

UBER

CARNIVAL SCHEDULE

THURSDAY APRIL 14

Buggy Showcase

Wiegand Gym CUC 12-2 pm

BAA Social Hour

Hough's Taproom & Brewery, 533

Greenfield Avenue 8-10 pm

FRIDAY APRIL 15

Sweepstakes Preliminary Races

Schenley Park 8 am - 12 pm

BAA Lunch Reception

Tennis Court Patio 12:30-1:30 pm

Buggy Alumni Panel

Breed Hall, Margaret Morrison 1:30-2:30 pm

SATURDAY APRIL 16

Sweepstakes Final Races

Schenley Park 9 am - 12 pm

Buggy History: Class of 1991

Steinberg Auditorium 12:15 - 1 pm

Spring Carnival Award Ceremony

Midway Tent, CFA Lawn 4:30 pm

Buggy Events are Proudly sponsored by Uber Advanced Technologies Center, GoDaddy, and #1 Cochran.



HEAT SCHEDULE

PRELIMINARY RACES 2016

WOMEN

HEAT	LANE 1	LANE 2	LANE 3
1	SDC C	CIA B	
2	Fringe B	Spirit B	SigNu A
3	Spirit A	SDC D	Fringe D
4	SigEp A	Apex B	CIA D
5	SDC B	Fringe C	Spirit C
6	CIA A	AEPi A	Fish A
7	Fringe A	SAE A	PhiDelt A
8	SDC A	Apex A	CIA C

MEN

HEAT	LANE 1	LANE 2	LANE 3
1A	SDC C		
1B		Spirit B	Fringe D
2	Apex A	SAE A	CIA D
3	SigEp B	SDC D	Fringe B
4	CIA A	Spirit D	
5	SDC B	Spirit C	Fish A
6	Spirit A	Fringe C	
7	Fringe A	CIA B	PhiDelt A
8	SigEp A	Apex B	CIA C
9	SDC A	SigNu A	AEPi A