**SEPTEMBER 30, 2013** 



Lawrence Lee, Nasser Khalifa Al-Rayes, and Jake Larson share a touching moment at Frosh Camp. They did so while also paying dutiful attention to the BoC talk.

-Jonathan Schor

# Some new prefrosh class arrives at Caltech

**STANFORD SCHOR** Editor-in-Chief

By now, upperclassmen have had a few days of Rotation to become acquainted with the wideeyed Class of 2017. The class of 249 new students include a glass blower, breakdancers, calculator programmers, speed cubers, beat boxers, a magician, and at least one

and professor Edward Stolper welcomed the new students and their parents before giving the floor to Professor Viviana Gradinaru, a Caltech alumnus and recently appointed Professor of Biology and Biological Engineering. Professor Gradinaru discussed her research in optogenetics, peppering her talk with quotes from Ron Padgett's "How to be Perfect." She left the Class of 2017 with a message of sustainability and encouraged

students to achieve balance of both body and mind.

Following Convocation, students joined their Frosh Camp Counselors (FCCs, formerly UCCs) at the President's house for an introductory dinner and a chance to mingle with the Caltech administration. The following day, they piled color-coded buses and headed off to Ventura Beach for Frosh Camp. The Tech was once again invited to tag along to share

in the fun and excitement of Frosh Camp. Through scavenger hunts, an Honor Code talk given by the Board of Control, skits addressing life at Caltech in the Challenges and Choices session, and even mealtimes, we have faithfully attempted to document the prefrosh experience. Approximately 600 pictures were taken of the prefrosh festivities, and those that best represent the spirit of orientation appear in this issue.

# <u>this issue</u>

#### **NEWS**

Feynman Prize nominations

#### **FEATURE**

Caltech Y announc es new events

#### **ROTATION**

Frosh camp photo essay, dining assignments

#### **HUMOR**

The return of Dr.

student who owns a full body suit.

They arrived September 22nd via airport shuttles and cars, and were soon ushered into Beckman Auditorium for convocation ceremonies.

# News briefs from around the globe

Helping readers burst out of the Caltech bubble

Need to know < 100 words about the world this week – topics sorted from good to bad by The Tech Eds

Hero acts in shooting **1,000** rescued from Kenyan mall shooting with help from Abdul Haji [BBC] Teen donates shoes **15-** year-old's non-profit donates 10,000 pairs of shoes to homeless [CNN] **London tourists rescued 30** rescued from freezing River Thames water after boat caught fire [BBC] Apple sets sales record **9** million new iPhones sold in the first weekend after release [TIME] Hornets kill in China **19** people stung to death by hornets in Hong Kong in last 3 months [CNN] Nigerian students shot **21** college students killed while sleeping after gunman opens fire [<u>CNN</u>] **Stable Iraqi city attacked 25** people killed in suicide bombing in previously peaceful Irbil [BBC]

## **Food with Mannion!**

Do you like eating food?

How about free food at nice restaurants?

Ever want to tell the world exactly what you think of said food?

The Tech will be beginning a new column to chronicle the foodie experiences of new writers every other week... The Catch: They'll be going head-to-head with Tom Mannion who will be reviewing the same restaurant. If you have ever thought you were more of a gourmand than our resident master chef, now's your chance to prove it!

Email us for a spot on the list at tech@caltech.edu

#### The California Tech

Caltech 40-58, Pasadena, CA 91125 advertising e-mail: business@caltech.edu editorial e-mail: tech@caltech.edu

> Editors-in-Chief Jonathan Schor Stanford Schor

News Editors Neera Shah Nehaly Shah

Staff Moriah Bischann Malvika Verma

Circulation Manager Michael Paluchniak

> Advisor Richard Kipling

The Tech is published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors and advertisers.

Letters and submissions are welcome; e-mail submissions to tech@caltech.edu as plain-text attachments, including the author's name, by Friday of the week before publication. The Tech does accept anonymous contributions under special circumstances. The editors reserve the right to edit and abridge all submissions for any reason. All written work remains property of its author.

The advertising deadline is 5 PM Friday; all advertising should be submitted electronically or as camera-ready art, but The Tech can also do simple typesetting and arrangement. All advertising inquiries should be directed to the business manager at business@caltech.edu. For subscription information, please send mail to "Subscriptions."

# Write articles for the Tech

get paid up to \$30

### NOMINATE YOUR FAVOR-ITE PROFESSOR FOR THE FEYNMAN TEACHING PRIZE!

Here's your chance to nominate your favorite professor for the 2013-14 Richard P. Feynman Prize for Excellence in Teaching! You have from now until January 2, 2014 to submit your nomination package to the Provost's Office to honor a professor who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom or laboratory teaching.

The Feynman Prize is made possible through the generosity of Ione and Robert E. Paradise, with additional contributions from an anonymous local couple. Nominations for the Feynman Teaching Prize are welcome from faculty, students, postdoctoral scholars, staff, and alumni.

All professorial faculty of the Institute are eligible. The prize consists of a cash award of \$3,500, matched by an equivalent raise in the annual salary of the awardee. A letter of nomination and detailed supporting material, including, but not limited to, a curriculum vitae, course syllabus or description, and supporting recommendation letters should be emailed to kkerbs@caltech.edu or directed to the Feynman Prize Selection Committee, Office of the Provost, Mail Code 206-31, at the California Institute of Technology, Pasadena, California, 91125. Nomination packages are due by January 2, 2014.

Additional information including guidelines for the prize and FAQ may be found at http://provost.caltech.edu/Feynman-TeachingPrize. Further information can also be obtained from Karen Kerbs (626-395-6039; kkerbs@caltech.edu) in the Provost's Office.

# Caltech Y Column: Intro to the organization

#### PHOEBE ANN LAURA SANTOSO

Contributing Writers

Hi everyone! This is the Caltech Y Column, designed to inform you about the Y and the opportunities we provide for you to inspire your passions, whether by participating in our programs or leading your own!

Founded by students in 1916, the Y was organized to provide extracurricular activities planned and implemented by students as an opportunity to gain leadership skills and discover their passions and themselves. The mission of today's Y remains the same to provide opportunities that will prepare students to become engaged, responsible citizens of the world. The Y seeks to broaden students' worldviews, and raise social, ethical, and cultural awareness through teamwork, community engagement, activism, and leadership.

The Caltech Y's mission and core values stand on five key pillars: leadership, civic engagement, service, adventure, and perspective. Regardless of which pillars capture your interest, feel free to attend any of the below programs, or contact us to organize your own!

Here's a sampling of past programs held by the Y:

• Alternative Spring Breaks: Costa Rica, New York, Yosemite, San Diego, San Francisco

- Make-A-Difference Day: Hillsides Home for Children, LA County Arboretum and Botanic Garden, Children's Hospital Los Angeles (Coachart), Eaton Canyon, Lifeline for Pets
- Explore LA: Lakers game, Next to Normal musical, Norton Simon Museum trip

#### **Upcoming Events:**

1. Mt. Pinos Day Hike Saturday | October 12th | 7:30

am - 6:00pm | Cost is \$15

A trip is being organized for Sunday, September 15th to hike the summits of Mt. Pinos, Sawmill Mountain, and Grouse Mountain. The hike will be around 10 miles long with moderate elevation gain and the last section of the hike will involve a little off-trail hiking to reach the summit of Grouse Mountain.

It can take up to two hours to drive each way to the trailhead, so we will meet at the Caltech Y and leave early at 7:30am, hoping to return at around 5-6pm (return time can be delayed by traffic).

We do need drivers but you need to be registered with the Caltech Y before you can drive others in your car.

So if you are willing and able, it's easy to register: just send us an email for details.

To sign up, fill out this google doc: https://docs.google.com/forms/d/1VhySjM4rTN17OsCV4yOtPDuvvUIaK97xdvQ7VMH4CcA/viewform. If you have questions contact Jeremy at jsandler@caltech.edu

2. Washington DC Science Policy Trip – Applications are available now, due Tuesday, October 15th by Noon

Monday, December 16th to Thursday, December 19th | Cost is only \$550 (with round trip flight to DC and back to LA) or \$325 (with one way flight to DC)

Dialogue with those who have played a role in setting and implementing science policy for the United States including: Academics, Lobbyists, Scientists, Politicians, and Caltech Alumni. Join us for an exploration into Science Policy on this exciting trip to the Nation's capitol. This four day trip includes flights, lodgings, some meals, discussions with science and policy leaders... and of course the sites and experiences of Washington D.C.

The small group sessions will be ideal for exploring relevant issues for our time in the context of national policy. The DC Science Policy Trip is coordinated by the Caltech Y with generous support from the George Housner Fund. Questions and applications may be directed tocaltechy@caltech.edu. Applications are available at www. caltechY.org now!

3. Rise Tutoring Program
Mon.-Thurs. | 4-6pm | Winnett,
2nd Floor

The Caltech Y Rise Program is currently accepting new tutors. The Rise Program is an afterschool math and science-focused tutoring program that serves public school students between grades 8 and 12. The tutoring takes place on the Caltech campus Monday-Thursday from 4pm-6pm. For more information about the program and to apply please visit our website at: http://caltechy.org/programs\_services/tutoring/.

4. Kids Reading to Succeed Saturday | October 5th | 8:30am-11:30am | Villa Parke Community Center, Pasadena

Volunteers read with children and participate in fun activities based on a monthly theme. For more info and to RSVP email Jessica Lam at jlam@caltech.edu.

5. Union Station Sunday | October 6th | 4-8pm | Pasadena Prepare and serve dinner to the homeless at Union Station Family Center in Pasadena. Food and materials are provided. For more info and to RSVP email Katja Luxem at kluxem@caltech.edu.

6. Hathaway Sycamores Saturday | October 12th | 1:30-4:30pm | Highland Park

Volunteer at Hathaway-Sycamores, a group that supports local underprivileged but motivated high school students. Some of the subjects being tutored are AP Chemistry, AP Physics, and AP Calculus.

For more info and to RSVP Email Josie Kishi atjkishi@caltech.

If you have any questions at all, feel free to contact the Caltech Y at (626) 395-6163 or caltechy@ caltech.edu. Feel free to drop by at one of our weekly meetings at the Caltech Y at the Caltech Y (505 S. Wilson, next to CEFCU), time

Go to http://caltechy.org/lists/ to self-subscribe to announcement lists for upcoming events and signup information.

For a student's perspective, feel free to contact Phoebe Ann at phoebe.ann2@gmail.com or Laura Santoso at santoso.laura@gmail.com.

# Brad/Chad Couture: Fashionable fall apparel

**BRAD CHATTERGOON**Contributing Writer

It's about that time again, school is starting up, rotation is in full gear and temperatures are dropping down from that scorching summer heat to a comfortable chill.

Yup, that's right, fall term is here and with it comes the excitement and headache of a new school year. We're going to have a bunch of new classes to pique our interests and steal our sleep and a plethora of people to interact with—both the incoming freshman (Welcome to Caltech, Frosh!) and our long time friends.

With a new school year there are new opportunities, a chance to reinvent yourself...a time to get a new look. Fall is upon us and here are some of the key items that you want to have in your wardrobe to ward off the cold.

#### 1. The Hoodie

This is a good casual wear article that I'm sure most of you already own.

It's very versatile and pairs well with a t-shirt for everyday wear and with a shirt for those slightly above casual looks.

I recommend getting a hoodie in a neutral color such as black, navy blue or grey so that it pairs well with most of your wardrobe. Since we are getting older, I recommend trending less on the

side of prints and bold branding and more toward a solid color.

#### 2. The Cardigan

The cardigan is the hoodie's older, more versatile, brother. These pair well with almost any level of formality and give off a more mature feel than the youthful hoodie. If you don't already have one in your wardrobe, now is the time to get one.

There is a bit more freedom in picking the color of a cardigan relative to a hoodie. The safest choice is the classic grey heather cardigan but do feel free to experiment with pseudo-neutral colors such as wine, deep blues or even brighter shades of blue and red.

3. Corduroy Pants (Or "Cords")

Time to dig through your closet to find these fall-winter season pants. Cords are the quintessential fall replacement for jeans. These are warm, very comfortable 5-pocket pants that I have, on occasion, happily drifted off to sleep in.

They come in a variety of deep fall colors such as earthy green, pumpkin, and the classic tan-khaki color.

They also come in many different cuts, similar to jeans, and pair well with tees, shirts, and polos (and cardigans!).

I recommend starting with a safe tan color.



Sophomore Alex Pien flirts with the camera while sporting a gingham-patterned shirt, a style similar to plaid.

-Stanford Schor

4. Plaid Everything! (Ok just kidding, plaid shirts).

Plaid is a very fall pattern, and I'm personally a big fan of it all year round. The classic plaid shirt is the red Buffalo Plaid Flannel shirt (think "Ax Men"), but these come in a great variety of colors.

Plaid is such a heavy pattern that it is often used as the center piece of the outfit, paired with solids or jeans in preference to other strong patterns, such as stripes, which may clash.

Flannel is a soft warm fabric but it can be uncomfortable during

the hotter seasons of the year, so if you want a shirt that can be worn all year round, stick with normal cotton plaid shirts.

Hopefully, these few pieces of advice have inspired you to expand your wardrobe for this fall. Go out there and have fun with it!

# ROTATION

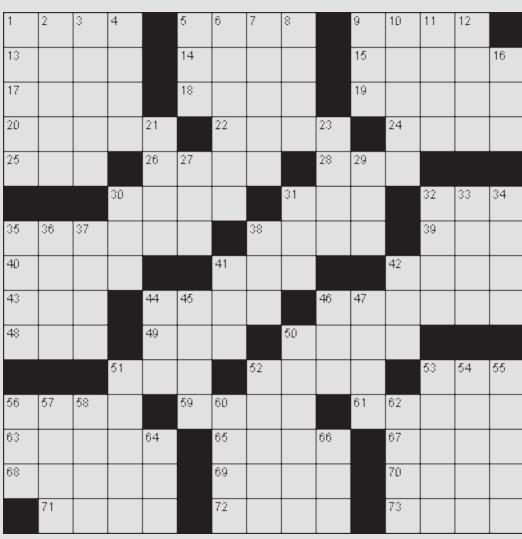
	Last Name Fi	irst Name	A	В	c	D	E	F	G	н	1	2	3	4	5	6	7	
		Kushal	Dabney Page	Page Fleming	Fleming Ruddock	Avery Blacker	Blacker Ricketts	Ricketts Avery	Lloyd Dabney	Ruddock Lloyd	Lloyd Dabney	Avery Ruddock	Ricketts Ricketts	Dabney Avery	Fleming Fleming	Blacker Page	Page Blacker	
	Aggarwal I Aglyamov I Agrawal		Page Fleming Ricketts	Ruddock Ruddock Fleming	Ricketts Page Blacker	Fleming Avery Avery	Dabney Ricketts Ruddock	Avery Dabney Lloyd	Blacker Blacker Dabney	Lloyd Lloyd Page	Avery Ruddock Fleming	Fleming Dabney Blacker	Blacker Ricketts Ruddock	Page Blacker Dabney	Ruddock Page Ricketts	Dabney Avery Avery	Ricketts Fleming Lloyd	-
	Agrawal Agrawal S	Roshan Saaket	Blacker Fleming	Page Blacker	Ruddock Page	Lloyd Lloyd	Fleming Dabney	Avery Ricketts	Dabney Ruddock	Ricketts Avery	Avery Ruddock	Fleming Lloyd	Dabney Ricketts	Blacker Fleming	Page Blacker	Ruddock Page	Lloyd Dabney	
	Al-Rayes 1	Elliot Nasser Cole	Avery Page Lloyd	Fleming Dabney Dabney	Ruddock Ricketts Ruddock	Page Ruddock Ricketts	Dabney Blacker Avery	Lloyd Avery Fleming	Ricketts Lloyd Blacker	Blacker Fleming Page	Ruddock Avery Ricketts	Page Ricketts Avery	Lloyd Blacker Blacker	Ricketts Lloyd Fleming	Fleming Ruddock Dabney	Avery Page Ruddock	Dabney Dabney Lloyd	E STATE OF THE PARTY OF THE PAR
	An . Anand I	Jeffrey Ritwik	Lloyd Lloyd	Avery Avery	Ruddock Ruddock	Page Fleming	Blacker Blacker	Ricketts Dabney	Fleming Ricketts	Dabney Page	Ricketts Ruddock	Blacker Blacker	Fleming Ricketts	Lloyd Lloyd	Page Avery	Ruddock Fleming	Avery Dabney	Personal Property of
	Antilla I	Alexander Katie Diana	Dabney Lloyd Lloyd	Lloyd Ruddock Page	Ruddock Avery Blacker	Page Fleming Fleming	Ricketts Dabney Avery	Blacker Page Ruddock	Fleming Ricketts Ricketts	Avery Blacker Dabney	Page Ricketts Avery	Ricketts Avery Fleming	Fleming Page Ruddock	Blacker Lloyd Ricketts	Lloyd Fleming Lloyd	Dabney Ruddock Blacker	Ruddock Dabney Page	
	Ashok I Avalani I	Manasa Bianca	Ricketts Ruddock	Dabney Fleming	Ruddock Blacker	Fleming Page	Blacker Lloyd	Avery Ricketts	Page Dabney	Lloyd Avery	Dabney Dabney	Fleming Page	Page Lloyd	Ricketts Ricketts	Ruddock Fleming	Blacker Blacker	Avery Ruddock	
	Bailey I	Rahul Bolton Benjamin	Blacker Avery Blacker	Page Dabney Page	Ruddock Page Avery	Fleming Lloyd Dabney	Lloyd Fleming Ricketts	Ricketts Ricketts Fleming	Avery Ruddock Lloyd	Dabney Blacker Ruddock	Fleming Dabney Fleming	Avery Fleming Ricketts	Lloyd Ricketts Lloyd	Blacker Ruddock Blacker	Ruddock Page Avery	Page Avery Dabney	Ricketts Lloyd Page	
	Batra I Bauer I	Rohan Michael	Ruddock Blacker	Ricketts Page	Fleming Dabney	Blacker Fleming	Dabney Lloyd	Lloyd Ruddock	Avery Avery	Page Ricketts	Ricketts Page	Dabney Lloyd	Avery Avery	Lloyd Ruddock	Fleming Fleming	Ruddock Dabney	Blacker Blacker	
V	Biswas 2	Marcus Aritra Fabian	Ricketts Dabney Fleming	Blacker Lloyd Dabney	Fleming Ricketts Page	Ruddock Blacker Ruddock	Dabney Ruddock Lloyd	Page Avery Ricketts	Avery Fleming Avery	Lloyd Page Blacker	Avery Avery Page	Fleming Blacker Avery	Dabney Ruddock Ricketts	Ricketts Fleming Fleming	Blacker Ricketts Dabney	Ruddock Lloyd Ruddock	Page Dabney Lloyd	200
100	Bonilla e Boyajian l	Jordan Mary	Lloyd Ruddock	Fleming Blacker	Ricketts Avery	Avery Dabney	Ruddock Page	Page Ricketts	Blacker Fleming	Dabney Lloyd	Ruddock Fleming	Ricketts Avery	Blacker Page	Page Ricketts	Lloyd Dabney	Avery Blacker	Fleming Ruddock	
		Christopher Alec Nicholas	r Lioya Fleming Dabney	Avery Ricketts Avery	Ruddock Page Blacker	Fleming Lloyd Lloyd	Blacker Blacker Fleming	Dabney Ruddock Ruddock	Ricketts Avery Page	Page Dabney Ricketts	Blacker Blacker Page	Ricketts Dabney Lloyd	Dabney Avery Ruddock	Lloyd Ruddock Dabney	Avery Ricketts Avery	Fleming Fleming Blacker	Ruddock Lloyd Fleming	
4		Chuxiao	Fleming Blacker	Avery Avery	Blacker Fleming	Lloyd Ricketts	Page Dabney	Ricketts Lloyd	Dabney Page	Ruddock Ruddock	Lloyd Ricketts	Dabney Page	Page Dabney	Ricketts Lloyd	Avery Fleming	Blacker Blacker	Fleming Avery	
ď.		avictor Chien-yi Kai-Tang	Dabney Fleming Ruddock	Ruddock Ruddock Blacker	Fleming Ricketts Dabney	Page Page Page	Ricketts Lloyd Ricketts	Blacker Dabney Fleming	Lloyd Blacker Lloyd	Avery Avery Avery	Ricketts Page Page	Page Ricketts Dabney	Lloyd Lloyd Lloyd	Dabney Blacker Fleming	Ruddock Fleming Blacker	Fleming Ruddock Ruddock	Blacker Dabney Ricketts	
	Chang I	Kalyn Kevin	Avery Lloyd	Page Dabney	Lloyd Ruddock	Blacker Fleming	Fleming Page	Dabney Ricketts	Ricketts Blacker	Ruddock Avery	Fleming Dabney	Dabney Ricketts	Ricketts Blacker	Avery Lloyd	Page Ruddock	Lloyd Fleming	Blacker Page	
	Chen (	Caitlin Chinghwa Kevin	Avery Page Lloyd	Dabney Fleming Ruddock	Page Avery Blacker	Ricketts Lloyd Avery	Lloyd Ricketts Fleming	Blacker Blacker Page	Ruddock Ruddock Ricketts	Fleming Dabney Dabney	Ruddock Blacker Ricketts	Page Lloyd Page	Blacker Ricketts Fleming	Avery Ruddock Lloyd	Ricketts Page Avery	Dabney Fleming Ruddock	Lloyd Avery Blacker	
3	Chen I	Lily Lucy	Avery Ricketts	Lloyd Page	Fleming Avery	Dabney Ruddock	Ruddock Blacker	Page Lloyd	Blacker Dabney	Ricketts Fleming	Lloyd Ruddock	Page Blacker	Ruddock Lloyd	Blacker Dabney	Avery Ricketts	Dabney Avery	Fleming Page	
	Cheng .	Sophia Jianzhi Andrew	Ruddock Blacker Fleming	Dabney Ruddock Page	Lloyd Fleming Ruddock	Page Lloyd Ricketts	Ricketts Dabney Dabney	Blacker Page Lloyd	Fleming Ricketts Blacker	Avery Avery Avery	Dabney Ruddock Page	Blacker Page Ruddock	Ricketts Dabney Dabney	Fleming Ricketts Blacker	Lloyd Lloyd Ricketts	Ruddock Blacker Fleming	Page Fleming Lloyd	
	Chinetti i Chintalachar	Kathleen ruvuArchar	Avery naFleming	Page Page	Dabney Lloyd	Fleming Dabney	Ricketts Avery	Blacker Blacker	Ruddock Ruddock	Lloyd Ricketts	Dabney Avery	Ricketts Lloyd	Blacker Ruddock	Ruddock Blacker	Page Dabney	Fleming Page	Avery Fleming	
0 -	Collins	Nelson Adam Paulo	Ruddock Blacker Dabney	Lloyd Fleming Page	Avery Ricketts Avery	Page Ruddock Lloyd	Dabney Lloyd Ricketts	Ricketts Page Fleming	Fleming Dabney Ruddock	Blacker Avery Blacker	Lloyd Page Avery	Dabney Ruddock Fleming	Ricketts Lloyd Ricketts	Fleming Dabney Ruddock	Avery Ricketts Lloyd	Page Blacker Page	Ruddock Fleming Dabney	
	Crowley Cruz Heredia	Connor aMarco	Page Page	Lloyd Ruddock	Dabney Blacker	Avery Ricketts	Fleming Avery	Ruddock Dabney	Ricketts Fleming	Blacker Lloyd	Lloyd Blacker	Ricketts Avery	Ruddock Dabney	Page Fleming	Dabney Ruddock	Fleming Ricketts	Avery Page	
	Da Costa I Dempsey I Desai		Page Avery Page	Dabney Blacker Blacker	Ricketts Ruddock Ricketts	Lloyd Lloyd Fleming	Ruddock Ricketts Lloyd	Fleming Page Ruddock	Avery Fleming Avery	Blacker Dabney Dabney	Dabney Blacker Avery	Ruddock Ruddock Ricketts	Fleming Page Lloyd	Avery Fleming Ruddock	Lloyd Lloyd Fleming	Ricketts Ricketts Blacker	Page Avery Page	
	Dewan Dimitriu	Sanjana Bogdan	Dabney Page	Blacker Blacker	Ricketts Dabney	Lloyd Ricketts	Page Lloyd	Fleming Ruddock	Ruddock Avery	Avery Fleming	Blacker Blacker	Fleming Ruddock	Ruddock Lloyd	Dabney Avery	Ricketts Dabney	Lloyd Page	Page Ricketts	
	Do	Leon Mary Christopher	Ricketts Fleming r Lloud	Blacker Dabney Blacker	Avery Page Ricketts	Fleming Avery Fleming	Lloyd Ruddock Page	Page Blacker Dabney	Dabney Lloyd Ruddock	Ruddock Ricketts Avery	Lloyd Dabney Blacker	Fleming Blacker Dabney	Page Ruddock Page	Dabney Lloyd Ruddock	Ricketts Fleming Ricketts	Avery Avery Fleming	Blacker Page Lloyd	
	Dutta A Edwards A	Avishek Matthew	Blacker Avery	Page Ricketts	Ricketts Lloyd	Dabney Blacker	Avery Page	Fleming Ruddock	Ruddock Dabney	Lloyd Fleming	Page Blacker	Avery Dabney	Fleming Page	Ruddock Ruddock	Blacker Lloyd	Ricketts Avery	Dabney Ricketts	
	Estipona i	Henry Benzi Katherine	Fleming Dabney Avery	Ruddock Ruddock Lloyd	Ricketts Avery Dabney	Lloyd Ricketts Ruddock	Blacker Fleming Ricketts	Dabney Blacker Page	Avery Lloyd Blacker	Page Page Fleming	Blacker Blacker Ricketts	Lloyd Avery Ruddock	Dabney Fleming Blacker	Avery Lloyd Page	Ricketts Ricketts Avery	Fleming Dabney Lloyd	Ruddock Ruddock Dabney	Statute St.
	Feist . Feldman l	John Michael	Lloyd Blacker	Avery Dabney	Ricketts Ricketts	Blacker Avery	Fleming Ruddock	Dabney Fleming	Page Page	Ruddock Lloyd	Dabney Dabney	Fleming Avery	Page Ruddock	Lloyd Page	Blacker Blacker	Avery Ricketts	Ricketts Fleming	0.00
	Galden .	Luke John Patrick	Lloyd Blacker Page	Ruddock Lloyd Dabney	Blacker Avery Ricketts	Page Page Lloyd	Dabney Ricketts Blacker	Fleming Dabney Fleming	Ricketts Fleming Ruddock	Avery Ruddock Avery	Blacker Ricketts Ricketts	Ricketts Avery Lloyd	Fleming Fleming Ruddock	Lloyd Dabney Fleming	Page Blacker Dabney	Ruddock Lloyd Page	Dabney Page Blacker	
	Gao	Amanda Kevin Albert	Lloyd Page Ricketts	Dabney Lloyd Dabney	Ruddock Fleming Ruddock	Blacker Dabney Lloyd	Page Ricketts Blacker	Avery Avery Page	Fleming Blacker Fleming	Ricketts Ruddock Avery	Dabney Ricketts Dabney	Fleming Dabney Fleming	Avery Blacker Blacker	Lloyd Avery Page	Blacker Page Lloyd	Page Fleming Ricketts	Ruddock Lloyd Ruddock	
	Geffner-Mihl		Avery Fleming	Fleming Dabney	Dabney Ricketts	Ruddock Page	Page Avery	Blacker Lloyd	Lloyd Ruddock	Ricketts Blacker	Fleming Ruddock	Page Page	Blacker Lloyd	Lloyd Fleming	Ruddock Dabney	Avery Avery	Dabney Ricketts	
		Christopheı Evren Carlos	r Page Ricketts Page	Ricketts Ruddock Ruddock	Blacker Lloyd Ricketts	Dabney Page Lloyd	Ruddock Avery Dabney	Fleming Blacker Avery	Lloyd Fleming Blacker	Avery Dabney Fleming	Ruddock Fleming Dabney	Dabney Lloyd Lloyd	Fleming Blacker Blacker	Lloyd Ricketts Avery	Ricketts Page Ricketts	Blacker Ruddock Page	Page Avery Ruddock	
	Gore I Green I	Ashay Mara	Page Page	Blacker Ricketts	Ruddock Ruddock	Ricketts Avery	Avery Blacker	Fleming Lloyd	Dabney Dabney	Lloyd Fleming	Blacker Dabney	Fleming Avery	Avery Blacker	Dabney Lloyd	Ricketts Page	Page Ruddock	Ruddock Ricketts	
	Gu i	Kshitij Daniel Jeffrey	Blacker Ruddock Avery	Lloyd Fleming Fleming	Ricketts Avery Dabney	Avery Blacker Page	Page Lloyd Ruddock	Fleming Ricketts Ricketts	Dabney Page Blacker	Ruddock Dabney Lloyd	Lloyd Blacker Dabney	Dabney Lloyd Page	Fleming Ricketts Blacker	Blacker Page Avery	Ricketts Avery Fleming	Page Fleming Ruddock	Avery Ruddock Ricketts	
	Gui : Guo :	Yi Songshan	Dabney Blacker	Blacker Lloyd	Ricketts Fleming	Avery Ruddock	Ruddock Ricketts	Fleming Dabney	Lloyd Page	Page Avery	Blacker Dabney	Lloyd Ricketts	Ruddock Page	Dabney Blacker	Avery Lloyd	Ricketts Fleming	Fleming Ruddock	
	Han S	Nicholas Sirus Victor	Blacker Lloyd Lloyd	Page Ricketts Ricketts	Avery Avery Ruddock	Ruddock Blacker Avery	Lloyd Page Dabney	Ricketts Ruddock Blacker	Fleming Dabney Fleming	Dabney Fleming Page	Avery Blacker Avery	Fleming Page Dabney	Ricketts Dabney Blacker	Blacker Ruddock Fleming	Ruddock Avery Ricketts	Page Lloyd Lloyd	Lloyd Ricketts Ruddock	
	Harmon . He .	Jacob Jianing	Dabney Avery	Page Lloyd	Ruddock Dabney	Ricketts Blacker	Avery Page	Blacker Ricketts	Lloyd Fleming	Fleming Ruddock	Blacker Fleming	Ricketts Dabney	Lloyd Page	Dabney Avery	Page Blacker	Avery Lloyd	Ruddock Ricketts	DAY
180	Henry '	Vivian Tara Stephanie	Blacker Ricketts Ricketts	Page Page Page	Fleming Ruddock Fleming	Avery Fleming Lloyd	Lloyd Dabney Avery	Dabney Lloyd Dabney	Ruddock Blacker Blacker	Ricketts Avery Ruddock	Ruddock Page Fleming	Avery Fleming Dabney	Lloyd Blacker Blacker	Dabney Lloyd Ricketts	Fleming Ruddock Lloyd	Page Ricketts Avery	Blacker Dabney Page	<b>N</b> 19
100	Hu i	Patrick Richard	Ruddock Dabney	Dabney Ruddock	Fleming Lloyd	Lloyd Fleming Fleming	Blacker Ricketts Blacker	Ricketts Avery Dabney	Avery Page Lloyd	Page Blacker Avery	Fleming Lloyd	Avery Fleming	Page Page	Ricketts Avery Puddock	Dabney Dabney	Ruddock Ricketts	Lloyd Ruddock Blacker	
	Huang 2 Ilyin 1	Audrey Xiangyi Daniil	Ruddock Ricketts Blacker	Page Lloyd Ruddock	Ricketts Dabney Fleming	Ruddock Dabney	Fleming Page	Blacker Lloyd	Page Ricketts	Avery Avery	Lloyd Ruddock Ruddock	Fleming Page Ricketts	Dabney Blacker Page	Ruddock Ricketts Lloyd	Page Dabney Blacker	Ricketts Fleming Dabney	Lloyd Fleming	
	Isaza i	David Erin Vasant	Fleming Lloyd Lloyd	Blacker Fleming Dabney	Avery Dabney Blacker	Dabney Ricketts Avery	Ricketts Ruddock Ruddock	Lloyd Avery Page	Page Blacker Fleming	Ruddock Page Ricketts	Blacker Avery Fleming	Avery Dabney Blacker	Page Ruddock Ruddock	Lloyd Blacker Page	Dabney Lloyd Avery	Ricketts Ricketts Dabney	Fleming Fleming Lloyd	
	Jacobs I Jain S	Harrison Shubhanka	Fleming rFleming	Page Dabney	Avery Ruddock	Ruddock Blacker	Blacker Page	Dabney Lloyd	Lloyd Ricketts	Ricketts Avery	Lloyd Lloyd	Dabney Page	Blacker Ricketts	Fleming Fleming	Ruddock Ruddock	Avery Blacker	Page Dabney	
-100	Jin 1	Tiantian Matthew Jonathan	Dabney Fleming Ricketts	Lloyd Dabney Avery	Fleming Page Lloyd	Ricketts Ricketts Ruddock	Ruddock Lloyd Blacker	Page Avery Fleming	Avery Ruddock Page	Blacker Blacker Dabney	Page Dabney Lloyd	Fleming Lloyd Page	Avery Avery Blacker	Dabney Ruddock Fleming	Lloyd Ricketts Avery	Ricketts Page Ricketts	Ruddock Fleming Ruddock	
	Kaczmarek 2 Kew	Zofii Juliana	Ricketts Avery	Avery Page	Blacker Ricketts	Page Ruddock	Dabney Blacker	Ruddock Fleming	Lloyd Dabney	Fleming Lloyd	Ruddock Fleming	Dabney Ricketts	Lloyd Blacker	Ricketts Dabney	Page Ruddock	Blacker Avery	Avery Page	
710	Kim .	Jaebin	Page Page Fleming	Dabney Fleming Dabney	Fleming Blacker Page	Lloyd Ruddock Blacker	Ricketts Ricketts Ricketts	Ruddock Avery Lloyd	Avery Lloyd Avery	Blacker Dabney Ruddock	Lloyd Fleming Lloyd	Avery Lloyd Avery	Ruddock Ricketts Ricketts	Page Avery Fleming	Dabney Ruddock Page	Fleming Blacker Dabney	Ricketts Page Blacker	
	Kishore I Kolundzija I	Nand Milica	Fleming Ruddock	Ruddock Ricketts	Lloyd Fleming	Dabney Avery	Avery Page	Blacker Lloyd	Page Blacker	Ricketts Dabney	Blacker Page	Avery Fleming	Page Blacker	Fleming Ruddock	Lloyd Ricketts	Dabney Avery	Ruddock Lloyd	
1/2/		Ross	Blacker Page Page	Fleming Ruddock Ruddock	Page Blacker Dabney	Avery Lloyd Blacker	Ruddock Dabney Fleming	Ricketts Avery Ricketts	Dabney Ricketts Avery	Lloyd Fleming Lloyd	Fleming Blacker Dabney	Ruddock Dabney Ricketts	Ricketts Ricketts Fleming	Dabney Avery Avery	Avery Lloyd Ruddock	Page Ruddock Blacker	Blacker Page Page	
450	Krupp 2 Kumar 2	Aaron Ankit	Ruddock Ricketts	Dabney Blacker	Ricketts Avery	Blacker Fleming	Lloyd Ruddock	Page Dabney	Fleming Page	Avery Lloyd	Dabney Fleming	Lloyd Page	Page Dabney	Fleming Ricketts	Ruddock Blacker	Ricketts Avery	Blacker Ruddock	-
	Lango i	Netgie Luke Jake	Ricketts Page Ricketts	Blacker Fleming Avery	Dabney Avery Dabney	Avery Lloyd Blacker	Fleming Blacker Fleming	Ruddock Ricketts Page	Lloyd Dabney Lloyd	Page Ruddock Ruddock	Dabney Fleming Lloyd	Fleming Avery Fleming	Lloyd Ricketts Page	Ruddock Dabney Ricketts	Blacker Page Avery	Ricketts Lloyd Blacker	Avery Blacker Dabney	
	Lazar Le i	Vlad Minh Nhat	Page Dabney	Dabney Ruddock	Lloyd Lloyd	Ruddock Ricketts	Blacker Blacker	Avery Avery	Ricketts Fleming	Fleming Page	Ruddock Blacker	Ricketts Fleming	Avery Avery	Page Dabney	Dabney Lloyd	Lloyd Ricketts	Blacker Ruddock	
	Lebby 1	David Morgan Connor	Ricketts Ruddock Ricketts	Lloyd Avery Avery	Ruddock Blacker Blacker	Page Dabney Lloyd	Fleming Ricketts Fleming	Blacker Fleming Ruddock	Dabney Page Dabney	Avery Lloyd Page	Lloyd Page Ruddock	Blacker Fleming Dabney	Fleming Ricketts Fleming	Dabney Ruddock Ricketts	Ruddock Avery Avery	Page Dabney Lloyd	Ricketts Blacker Blacker	AT YES
	Lee C	Ga Yeong Lawrence	Blacker Ricketts	Avery Dabney	Dabney Lloyd	Fleming Blacker	Ruddock Avery	Lloyd Fleming	Page Page	Ricketts Ruddock	Avery Avery	Ricketts Page	Page Fleming	Lloyd Ricketts	Blacker Dabney	Ruddock Lloyd	Dabney Blacker	
	Leong	Yoon Justin Kate	Ruddock Dabney Page	Dabney Ruddock Blacker	Avery Ricketts Lloyd	Ricketts Blacker Dabney	Page Avery Ricketts	Blacker Fleming Fleming	Fleming Lloyd Avery	Lloyd Page Ruddock	Dabney Blacker Dabney	Avery Avery Fleming	Blacker Lloyd Ricketts	Fleming Dabney Avery	Ricketts Ruddock Blacker	Page Ricketts Lloyd	Ruddock Fleming Page	
					~TF	Сь										All	The same	

# ROTATION SEPTEMBER 30, 2013 5

	Last Name	First Name	e A	В	C	D	E	F	G	н	1	2	3	4	5	6	7	
	Li Li	Jessica John	Page Fleming	Fleming Ricketts	Dabney Blacker	Ricketts Lloyd	Avery Page	Blacker Avery	Ruddock Dabney	Lloyd Ruddock	Ricketts Ricketts	Blacker Avery	Ruddock Dabney	Page Fleming	Fleming Blacker	Dabney Lloyd	Avery Page	
	Li Lim Lim	Lauren Halston Matthew	Lloyd Page Dabney	Dabney Ricketts Ricketts	Avery Fleming Ruddock	Ricketts Lloyd Avery	Ruddock Ruddock Page	Fleming Blacker Lloyd	Blacker Avery Blacker	Page Dabney Fleming	Dabney Avery Avery	Blacker Blacker Ruddock	Fleming Ruddock Lloyd	Lloyd Page Blacker	Avery Fleming Ricketts	Ruddock Lloyd Page	Ricketts Ricketts Dabney	
	LimSoon V Lin	Vei Daniel Chih-Wen	Page Page	Ricketts Avery	Fleming Fleming	Blacker Ruddock	Lloyd Blacker	Dabney Dabney	Ruddock Lloyd	Avery Ricketts	Ruddock Fleming	Fleming Dabney	Lloyd Lloyd	Dabney Page	Page Avery	Ricketts Blacker	Blacker Ruddock	
	Lin Lincoln Liu	Christina Sierra Albert	Dabney Ruddock Fleming	Blacker Lloyd Ruddock	Lloyd Ricketts Avery	Ruddock Dabney Ricketts	Avery Fleming Page	Ricketts Page Lloyd	Page Blacker Dabney	Fleming Avery Blacker	Avery Fleming Avery	Ruddock Blacker Page	Page Page Dabney	Ricketts Ruddock Lloyd	Lloyd Ricketts Ricketts	Blacker Dabney Ruddock	Dabney Lloyd Fleming	
	Liu Liu Liu	Eric Kimberly Yuxi	Blacker Fleming Ruddock	Avery Dabney Avery	Ruddock Avery Page	Dabney Blacker Fleming	Page Lloyd Dabney	Lloyd Page Lloyd	Fleming Ricketts Blacker	Ricketts Ruddock Ricketts	Ruddock Avery Lloyd	Page Ricketts Fleming	Fleming Lloyd Dabney	Lloyd Page Blacker	Avery Dabney Page	Dabney Blacker Avery	Blacker Fleming Ruddock	
	Lucas	Peter Andrew	Lloyd Dabney	Page Ruddock	Avery Page	Fleming Lloyd	Ricketts Blacker	Dabney Ricketts	Ruddock Avery	Blacker Fleming	Ruddock Ruddock	Avery Ricketts	Dabney Blacker	Lloyd Avery	Page Page	Ricketts Dabney	Fleming Lloyd	
	Lucas Lui Lukin	Michaelang Alison Daniil	geloDab <mark>ney</mark> Lloyd Ricketts	Ricketts Fleming Ruddock	Lloyd Ruddock Lloyd	Ruddock Blacker Blacker	Blacker Ricketts Dabney	Avery Page Page	Fleming Dabney Fleming	Page Avery Avery	Ricketts Dabney Blacker	Lloyd Page Fleming	Blacker Ricketts Dabney	Fleming Lloyd Page	Ruddock Fleming Ruddock	Dabney Ruddock Lloyd	Avery Blacker Ricketts	
	Luo Luo	David Lilly	Ruddock Avery	Page Blacker	Blacker Ricketts	Dabney Ruddock	Avery Fleming	Ricketts Page	Lloyd Dabney	Fleming Lloyd	Blacker Blacker	Lloyd Page	Avery Fleming	Ricketts Dabney	Page Ruddock	Ruddock Avery	Dabney Ricketts	
	Luo Ma Mace	Shaoxiong Chung-hyu David		Dabney Ruddock Fleming	Blacker Fleming Ricketts	Ricketts Ricketts Avery	Avery Avery Ruddock	Fleming Dabney Blacker	Ruddock Lloyd Page	Page Page Lloyd	Blacker Lloyd Ricketts	Avery Fleming Avery	Ruddock Dabney Page	Fleming Blacker Blacker	Dabney Ruddock Fleming	Ricketts Avery Dabney	Lloyd Ricketts Ruddock	
	Mahata Malla Mandsbero	Sumana Chanukya Wikolai	Lloyd Ruddock Page	Blacker Page Ruddock	Page Dabney Fleming	Fleming Fleming Ricketts	Avery Avery Lloyd	Ricketts Lloyd Blacker	Dabney Ricketts	Ruddock Blacker	Fleming Ricketts	Page Lloyd	Dabney Avery	Ricketts Ruddock Blacker	Blacker Page	Lloyd Fleming Ricketts	Avery Dabney Ruddock	
	Matschke Mazo		Page Ruddock	Ruddock Page	Dabney Fleming	Fleming Dabney	Ricketts Blacker	Avery Ricketts	Dabney Blacker Avery	Avery Lloyd Lloyd	Fleming Dabney Fleming	Lloyd Ricketts Dabney	Dabney Avery Ricketts	Blacker Avery	Page Ruddock Page	Fleming Blacker	Page Ruddock	
	McAndreu McKenna Meany		Ruddock Fleming Blacker	Ricketts Dabney Lloyd	Page Blacker Ricketts	Dabney Lloyd Page	Avery Avery Avery	Fleming Ricketts Fleming	Lloyd Page Ruddock	Blacker Ruddock Dabney	Page Dabney Page	Avery Lloyd Fleming	Lloyd Avery Avery	Fleming Page Ruddock	Dabney Blacker Ricketts	Ricketts Fleming Lloyd	Ruddock Ricketts Blacker	
	Mendonca Menninger	Keegan Timothy	Lloyd Dabney	Ricketts Blacker	Dabney Fleming	Page Lloyd	Avery Ricketts	Fleming Avery	Ruddock Page	Blacker Ruddock	Fleming Lloyd	Page Fleming	Avery Ricketts	Ruddock Page	Dabney Blacker	Ricketts Dabney	Lloyd Avery	
	Meyer Minear Montequin	Christina Talia Andrew	Lloyd Ricketts Dabney	Ricketts Lloyd Avery	Blacker Blacker Ricketts	Dabney Page Lloyd	Fleming Avery Fleming	Ruddock Dabney Ruddock	Page Fleming Page	Avery Ruddock Blacker	Ricketts Lloyd Ricketts	Fleming Page Lloyd	Ruddock Dabney Fleming	Page Fleming Page	Dabney Blacker Dabney	Lloyd Ricketts Avery	Blacker Avery Ruddock	
10.00	Moon Murching	Stephanie Siddharth	Blacker Ricketts	Ricketts Page	Lloyd Lloyd	Avery Blacker	Fleming Ruddock	Page Dabney	Ruddock Fleming	Dabney Avery	Avery Lloyd	Fleming Dabney	Page Fleming	Ruddock Ricketts	Ricketts Page	Lloyd Blacker	Blacker Ruddock	The same of the sa
	Murphy Murthy Nan	Colin Sheila Xinyi	Avery Avery Lloyd	Blacker Ricketts Ruddock	Ruddock Blacker Avery	Fleming Ruddock Fleming	Lloyd Page Ricketts	Page Dabney Dabney	Dabney Lloyd Page	Ricketts Fleming Blacker	Lloyd Ruddock Dabney	Page Page Page	Dabney Lloyd Ricketts	Avery Dabney Lloyd	Fleming Avery Fleming	Ruddock Blacker Ruddock	Blacker Ricketts Avery	Manusasan
1 4/1	Neti Nety Nguy	Anirudh Suchita Willis	Avery Page Blacker	Page Blacker Fleming	Blacker Fleming Avery	Ruddock Ricketts Page	Lloyd Ruddock Ruddock	Dabney Lloyd Lloyd	Fleming Dabney Ricketts	Ricketts Avery Dabney	Ruddock Blacker Ruddock	Dabney Dabney Ricketts	Fleming Ruddock Lloyd	Avery Page Blacker	Blacker Ricketts Page	Page Fleming Fleming	Lloyd Lloyd Avery	Alteria
1	Nirkhe Noh	Chinmay Won Jun	Dabney Avery	Ricketts Blacker	Blacker Ruddock	Lloyd Page	Page Dabney	Avery Ricketts	Ruddock Lloyd	Fleming Fleming	Ruddock Ricketts	Blacker Page	Page Dabney	Avery Lloyd	Dabney Avery	Lloyd Ruddock	Ricketts Blacker	MENS
7	Ojeda Okamoto Osekowski	Pedro Tyler J Suzannah	Avery Dabney Blacker	Page Ricketts Ricketts	Fleming Blacker Ruddock	Lloyd Fleming Dabney	Ricketts Lloyd Fleming	Dabney Ruddock Lloyd	Blacker Page Avery	Ruddock Avery Page	Ricketts Page Dabney	Lloyd Lloyd Ruddock	Blacker Ruddock Lloyd	Dabney Dabney Avery	Avery Ricketts Ricketts	Fleming Fleming Fleming	Page Blacker Blacker	
	Osha Ozdalyan	Quinn Berk	Dabney Ricketts	Page Fleming	Ruddock Dabney	Blacker Avery	Fleming Lloyd	Ricketts Blacker	Lloyd Page	Avery Ruddock	Page Dabney	Fleming Lloyd	Lloyd Blacker	Ricketts Page	Blacker Fleming	Dabney Avery	Ruddock Ricketts	1)
E LYA	Pailevania Palekar Park	n Torkom Jay Vincent	Ricketts Ricketts Blacker	Fleming Page Dabney	Page Dabney Fleming	Blacker Lloyd Page	Ruddock Fleming Ruddock	Dabney Blacker Avery	Lloyd Ruddock Ricketts	Avery Avery Lloyd	Dabney Dabney Avery	Page Lloyd Page	Ruddock Blacker Ruddock	Lloyd Ruddock Ricketts	Blacker Page Blacker	Ricketts Ricketts Dabney	Fleming Fleming Fleming	Che Ly
		Thomas  Ramruthw  Ramsathu		Fleming Fleming Blacker	Ruddock Page Dabney	Blacker Ricketts	Dabney Blacker	Page Lloyd	Ricketts Avery Ruddock	Avery Ruddock Ricketts	Page Fleming Dabney	Blacker Page Lloyd	Ricketts Lloyd	Lloyd Avery Ruddock	Ruddock Dabney Fleming	Fleming Blacker Blacker	Dabney Ricketts	
1	Pena Penn	y Ramsathw David Allison	Ruddock Avery	Avery Dabney	Page Ricketts	Lloyd Ricketts Blacker	Avery Lloyd Fleming	Page Blacker Page	Fleming Ruddock	Dabney Lloyd	Blacker Blacker	Page Ricketts	Page Lloyd Page	Fleming Ruddock	Avery Dabney	Ricketts Fleming	Avery Ruddock Avery	المراقع
his with money?	Pipada Place Poozhikun	Rishabh Alexander nelAnand-M		Ricketts Page	Dabney Fleming Ruddock	Fleming Lloyd Lloyd	Page Avery Ricketts	Avery Blacker Blacker	Ruddock Dabney Fleming	Blacker Ruddock Avery	Dabney Lloyd Page	Page Avery Fleming	Ruddock Dabney Ricketts	Avery Blacker Blacker	Lloyd Ricketts Lloyd	Ricketts Fleming Dabney	Fleming Page Ruddock	
Canad	Preimesber Premkumo	rgerJuliane ırAnjali	Ricketts Ruddock	Blacker Lloyd	Dabney Fleming	Page Blacker	Avery Avery	Lloyd Ricketts	Ruddock Dabney	Fleming Page	Avery Dabney	Lloyd Fleming	Ruddock Ricketts	Ricketts Ruddock	Page Blacker	Blacker Avery	Dabney Lloyd	
Carne	Presutti Pubbi Puranam	Federico Parul Abhijitkrisi	Fleming Dabney hnaDabney	Lloyd Blacker Avery	Dabney Page Ricketts	Ruddock Avery Fleming	Ricketts Ruddock Blacker	Avery Fleming Ruddock	Page Ricketts Lloyd	Blacker Lloyd Page	Dabney Blacker Fleming	Ruddock Page Blacker	Page Fleming Ruddock	Fleming Ricketts Lloyd	Lloyd Dabney Ricketts	Ricketts Avery Dabney	Avery Ruddock Avery	
	Qiao Qu	Eric David	Page Blacker	Fleming Ricketts Ruddock	Blacker Page	Lloyd Fleming	Avery Lloyd	Ruddock Avery Lloyd	Dabney Ruddock	Ricketts Dabney	Dabney Lloyd	Avery Page	Ruddock Avery	Page Ruddock	Lloyd Ricketts	Blacker Fleming	Fleming Blacker	
	Ramos Rasmusser Reed	Andre n Asbjorn Jared	Blacker Ruddock Blacker	Ricketts Ricketts	Dabney Blacker Page	Avery Page Ruddock	Fleming Lloyd Avery	Dabney Lloyd	Ricketts Fleming Dabney	Page Avery Fleming	Dabney Blacker Lloyd	Ricketts Lloyd Page	Fleming Fleming Dabney	Blacker Dabney Blacker	Ruddock Ruddock Ricketts	Avery Page Ruddock	Lloyd Ricketts Avery	
	Roberts Robinson Roddy	Gerri Constance Joseph	Ruddock Page Lloyd	Ricketts Avery Avery	Lloyd Dabney Blacker	Dabney Ricketts Page	Blacker Lloyd Ruddock	Page Fleming Fleming	Fleming Ruddock Dabney	Avery Blacker Ricketts	Dabney Dabney Dabney	Blacker Ricketts Ruddock	Fleming Fleming Fleming	Page Ruddock Lloyd	Ricketts Avery Page	Ruddock Page Blacker	Lloyd Lloyd Avery	11-5
	Rodriguez Rosenberg	Roel Jeffrey	Ruddock Ricketts	Page Lloyd	Avery Page	Lloyd Ruddock	Blacker Fleming	Dabney Blacker	Fleming Dabney	Ricketts Avery	Page Dabney	Avery Fleming	Blacker Blacker	Fleming Ricketts	Ruddock Page	Lloyd Ruddock	Dabney Lloyd	
E Now	Ryan Sahu Sakazaki	Alexander Sarthak Yuka	Ricketts Dabney Ricketts	Lloyd Fleming Lloyd	Dabney Page Avery	Blacker Blacker Page	Page Ruddock Ruddock	Ruddock Avery Fleming	Avery Ricketts Dabney	Fleming Lloyd Blacker	Ruddock Ricketts Lloyd	Blacker Avery Avery	Page Ruddock Dabney	Avery Dabney Fleming	Ricketts Fleming Ricketts	Lloyd Blacker Page	Dabney Page Ruddock	KC
	Sanchez Saxe	Robert Gandalf	Dabney Lloyd	Ruddock Blacker	Lloyd Dabney	Fleming Page	Page Ricketts	Blacker Ruddock	Avery Fleming	Ricketts Avery	Fleming Blacker	Lloyd Fleming	Blacker Ricketts	Avery Lloyd	Dabney Dabney	Ruddock Page	Page Ruddock	
	Seipp Shah Shastri	Kyle Parth Gauri	Blacker Blacker Blacker	Fleming Avery Lloyd	Ruddock Fleming Dabney	Page Page Avery	Ricketts Lloyd Ricketts	Lloyd Dabney Fleming	Dabney Ricketts Page	Avery Ruddock Ruddock	Lloyd Avery Lloyd	Ruddock Page Page	Ricketts Lloyd Fleming	Dabney Ricketts Blacker	Blacker Fleming Avery	Fleming Blacker Dabney	Page Dabney Ricketts	
	Sheng Shi Shin	Jiemin Jingwei Ji-Soo	Avery Avery Avery	Fleming Page Fleming	Page Dabney Ruddock	Dabney Ruddock Blacker	Blacker Blacker Lloyd	Ruddock Lloyd Dabney	Ricketts Ricketts Page	Lloyd Fleming Ricketts	Ricketts Page Page	Dabney Ruddock Blacker	Blacker Lloyd Lloyd	Ruddock Ricketts Dabney	Fleming Avery Ruddock	Page Blacker Avery	Avery Dabney Fleming	
	Shon Shupper	Dayeon Emma	Lloyd Fleming	Blacker Avery	Ricketts Ricketts	Ruddock Page	Avery Ruddock	Page Blacker	Fleming Lloyd	Dabney Dabney	Avery Ruddock	Ricketts Page	Fleming Blacker	Page Lloyd	Lloyd Avery	Ruddock Ricketts	Blacker Fleming	
799	Simmons Sirohi Skripkaite	Darius Nikita Agne	Blacker Ricketts Lloyd	Dabney Dabney Fleming	Ruddock Avery Ricketts	Page Ruddock Blacker	Ricketts Lloyd Ruddock	Lloyd Blacker Page	Fleming Fleming Dabney	Avery Page Avery	Dabney Ruddock Dabney	Ruddock Blacker Ricketts	Fleming Lloyd Ruddock	Lloyd Fleming Lloyd	Page Dabney Fleming	Blacker Ricketts Blacker	Ricketts Avery Page	
1000	Sloan Sonola	Evan Mojolaolui	Ruddock vaAvery	Blacker Ricketts	Ricketts Fleming	Fleming Ruddock	Dabney Blacker	Page Dabney	Avery Lloyd	Lloyd Page	Blacker Fleming	Fleming Ruddock	Avery Lloyd	Page Avery	Ricketts Ricketts	Ruddock Blacker	Dabney Dabney	
	Stark Stauffer Suh	Jacob Johnathan Hyung Ju	Dabney Blacker Ricketts	Ricketts Avery Lloyd	Fleming Lloyd Ruddock	Avery Ricketts Blacker	Ruddock Page Avery	Blacker Fleming Dabney	Page Dabney Page	Lloyd Ruddock Fleming	Fleming Avery Page	Page Lloyd Ruddock	Ruddock Fleming Avery	Blacker Dabney Ricketts	Ricketts Blacker Lloyd	Avery Ricketts Blacker	Dabney Page Dabney	
(B) (1)	Sundarara Sunol	Alp	Lloyd Lloyd	Ricketts Ricketts	Ruddock Fleming	Dabney Avery	Fleming Blacker	Avery Dabney	Page Page Blacker	Blacker Ruddock	Avery Avery	Dabney Blacker	Fleming Page	Page Lloyd	Ruddock Ricketts Ruddock	Ricketts Fleming	Lloyd Dabney	
	Swanson Tang Tariq	Henry Lee Amal	Ricketts Ruddock Avery	Fleming Blacker Ricketts	Ruddock Lloyd Lloyd	Lloyd Avery Blacker	Dabney Ricketts Ruddock	Avery Fleming Page	Page Fleming	Page Dabney Dabney	Blacker Lloyd Page	Avery Page Blacker	Dabney Fleming Fleming	Ricketts Ruddock Avery	Avery Ricketts	Fleming Blacker Ruddock	Lloyd Ricketts Lloyd	
1100	Tillotson Tussie Venturi	Nicholas Tomas Victor	Page Blacker Dabney	Blacker Avery Lloyd	Dabney Ruddock Avery	Lloyd Page Ruddock	Ruddock Fleming Page	Ricketts Ricketts Blacker	Avery Lloyd Ricketts	Fleming Dabney Fleming	Lloyd Page Blacker	Avery Ruddock Ricketts	Ricketts Fleming Page	Page Lloyd Dabney	Dabney Avery Avery	Ruddock Blacker Ruddock	Blacker Ricketts Lloyd	
	Voloshin Walke	Cameron Mugdha	Blacker Blacker	Lloyd Fleming	Avery Page	Ruddock Ricketts	Page Ruddock	Fleming Dabney	Ricketts Lloyd	Dabney Avery	Lloyd Dabney	Fleming Ricketts	Ricketts Lloyd	Blacker Blacker	Ruddock Fleming	Avery Ruddock	Page Page	
	Walter Wang Wang	Margaret Charles Michelle	Fleming Dabney Blacker	Ruddock Blacker Fleming	Avery Ricketts Lloyd	Dabney Ruddock Avery	Ricketts Lloyd Ruddock	Page Page Ricketts	Lloyd Avery Page	Blacker Fleming Dabney	Page Ruddock Fleming	Lloyd Lloyd Ricketts	Ricketts Avery Ruddock	Fleming Page Page	Ruddock Dabney Lloyd	Avery Blacker Avery	Dabney Ricketts Blacker	
111111111111111111111111111111111111111	Wang Wang	Shannon Shen Ting	Blacker Ruddock	Avery Page	Ruddock Fleming	Fleming Lloyd	Dabney Avery	Page Blacker	Lloyd Dabney	Ricketts Ricketts	Ruddock Fleming	Page Lloyd	Lloyd Avery	Blacker Dabney	Fleming Ruddock	Avery Page	Dabney Blacker	
	Wang Watson Whitesides	Ting Laura Lindsey	Blacker Avery Page	Dabney Dabney Blacker	Lloyd Lloyd Ricketts	Ruddock Ricketts Ruddock	Ricketts Blacker Lloyd	Fleming Ruddock Avery	Page Fleming Dabney	Avery Page Fleming	Lloyd Ricketts Avery	Page Blacker Lloyd	Fleming Ruddock Dabney	Blacker Fleming Page	Ruddock Dabney Ricketts	Dabney Avery Ruddock	Ricketts Lloyd Blacker	
	Won Wong	Jong Seok Michelle	Avery Ricketts	Fleming Ruddock	Lloyd Blacker	Ruddock Dabney	Page Avery	Dabney Lloyd	Blacker Page	Ricketts Fleming	Lloyd Blacker	Ruddock Page	Dabney Avery	Blacker Lloyd	Avery Dabney	Page Ricketts	Fleming Ruddock	
11/3/8/2	Xiao Xu Yap	Jiyun Xi Ker Lee	Avery Page Ricketts	Ricketts Blacker Ruddock	Ruddock Lloyd Avery	Page Dabney Dabney	Blacker Fleming Lloyd	Fleming Avery Blacker	Dabney Ricketts Fleming	Lloyd Ruddock Page	Fleming Ricketts Avery	Ruddock Dabney Blacker	Blacker Fleming Fleming	Dabney Avery Ricketts	Ricketts Page Ruddock	Avery Blacker Dabney	Page Lloyd Lloyd	
SHEYS!	Yi You Yu	Kexin Chenchao Ellen	Dabney Dabney	Fleming Ruddock	Ricketts Avery	Lloyd Ricketts	Ruddock Blacker	Blacker Lloyd	Page Fleming	Avery Page Ruddock	Lloyd Blacker	Page Fleming	Ruddock Lloyd	Blacker Dabney	Dabney Ricketts	Ricketts Avery	Fleming Ruddock Lloyd	
	Yu Yu	Kristie Lidan	Lloyd Dabney Avery	Fleming Fleming Dabney	Ricketts Lloyd Lloyd	Page Blacker Ricketts	Dabney Ruddock Fleming	Avery Avery Ruddock	Blacker Page Page	Ricketts Blacker	Avery Lloyd Dabn <mark>ey</mark>	Page Page Fleming	Dabney Ruddock Page	Blacker Avery Avery	Fleming Dabney Ricketts	Ricketts Blacker Lloyd	Fleming Ruddock	to the same
2 153 131	Yu Yuan Yurk	Yizhen Yi Dominic	Ruddock Dabney Avery	Page Fleming Lloyd	Avery Ruddock Page	Dabney Blacker Blacker	Blacker Avery Dabney	Ricketts Lloyd Fleming	Fleming Ricketts Ricketts	Lloyd Page Ruddock	Page Blacker Page	Ricketts Ruddock Dabney	Fleming Ricketts Fleming	Ruddock Lloyd Ricketts	Dabney Fleming Avery	Blacker Dabney Lloyd	Avery Avery Blacker	
MANAGE STATE	Zemsky Zhou	Sasha Frank	Dabney Blacker	Lloyd Ruddock	Avery Page	Ricketts Dabney	Fleming Ricketts	Page Lloyd	Blacker Avery	Ruddock Fleming	Page Page	Avery Lloyd	Blacker Ricketts	Dabney Avery	Ricketts Dabney	Fleming Blacker	Lloyd Ruddock	
The state of the s	Zhu	Yanbing	Dabney	Page	Avery	Lloyd	Blacker	Ruddock	Fleming	Ricketts	Page	Ruddock	Fleming	Dabney	Avery	Lloyd	Blacker	

# FEATURE

# Today's Puzzle: Crossword



[www.puzzlechoice.com]

#### Across

- 1. Endure
- 5. Curved structure
- 9. Small lake
- 13. Succulent plants
- 14. Reign
- 15. Pertaining to birds
- 17. Exclusive
- 18. Leg joint
- 19. Right-hand page
- 20. Ignominy
- 22. Slow gait of a horse 24. Part of a woodwind
- instrument 25. Paddle
- 26. Fruit
- 28. Mesh
- 30. Plant
- 31. Title
- 32. Cunning
- 35. Assail 38. Information
- 39. Romance
- 40. Burden 41. Primitive weapon
- 42. Deride
- 43. Total
- 44. Scale drawing
- 46. Abhor
- 49. Shred
- 50. Piece of furniture 51. Drunkard

- 52. Pulled or drawn tight
- 53. Darn
- 56. Catch sight of
- 59. Malevolent
- 61. Greeting
- 63. Card game 65. Molecule
- 67. Prepare food
- 68. Impressive display
- 69. Wild plum
- 70. Expect with desire
- 71. Acquire
- 72. Portable shelter
- professionals and amateurs

#### Down

- 1. Lariat
- 2. Hawaiian greeting
- 3. Relating to the sun
- 4. Swarm
- 5. Biblical boat
- 6. Airstrip
- 7. Percipient
- 8. Part of a shoe
- 9. Golfing term
- 10. Not secret or hidden 11. Pleasant
- 12. Appointment
- 48. Metal-bearing mineral 16. Sign of assent
  - 21. Long narrative poem
  - 23. Entwine
  - 27. Moose

- 29. Epoch
- 30. Man or boy
- 31. Cutting tool 32. Study intensively
- 33. Scottish lake 34. Linking gear for
- work animals
- 35. In addition
- 36. Term of enlistment
- 37. Restrained and quiet
- 38. Spanish title
- 41. Flexible container
- 42. Floor covering
- Tournament for 44. In favor of
  - 45. Tardy
  - Currency
  - Romania

  - 47. Profane expression 50. Bar
  - 51. Cut of meat
  - 52. Heading
  - 53. Sailing vessel
  - 54. Run away to marry
  - 55. Roused from sleep
  - 56. Health spring
  - 57. Left side of a ship
  - facing the bow
  - 58. Long green edible
  - pods
  - 60. Immense 62. Reverberation
    - 64. Seed of the cereal
  - 66. Encountered

Caltech Public Events is now hiring student ushers. \$15 per hour to work concerts, performances, lectures, films and parties.

No experience needed, no hard labor, flexible schedules.

\*Requirements: Caltech student, Positive attitude, Friendly personality

To apply email Adam Jacobo (ajacobo@caltech.edu) or call (626) 395-5907

For info on Caltech Public Events visit: www.caltech. edu/content/public-events

## Join us for a free talk by

# DR. LAURANCE DOYLE

Titled "Physics and Metaphysics"

. . .

# from 2-3:30 PM on Sunday, October 6th at Skirball Cultural Center

(2701 N. Sepulveda Blvd Los Angeles, CA 90049)

The talk will explore how the limitations of matter are being broken and how modern science is questioning established premises. It will be followed by a question and answer session with Dr. Doyle.

Dr. Doyle has worked at the SETI Institute since 1987, where he is a principal investigator and astrophysicist. His scientific work has focused on the search for habitable planets around other stars as well as other topics in quantum physics and thermodynamics. Dr. Doyle received his Ph.D from the Rubrecht Karl University of Heidelberg.

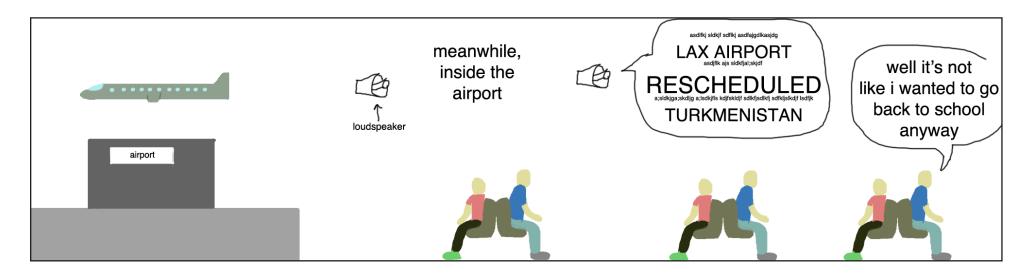
This talk is a gift to the public from the Christian Science Church in Brentwood (310-820-2014, tenthchurch@gmail.com). All are welcome to attend.

Please visit 10thchurch.com for more details.

# Humor

## Acquired Taste

Dr.Z



Want to see more comics in the Tech?

Email your submissions to tech@caltech.edu!

For more photos, videos, and archives of previous issues, check out the Tech website!

tech.caltech.edu

The California Tech Caltech 40-58 Pasadena, CA 91125