Students honored with academic, leadership awards

Distinguished Alumni presented with awards

NEERA SHAH
Editor-in-Chief

On May 15-18, hundreds of Caltech alumni came back to campus for the annual Reunion Weekend. The 77th annual Seminar Day was held on May 17, during which this year's six Distinguished Alumni Awards were presented. This recognition is the highest honor Caltech bestows upon its alumni and has been given every year since 1966 to alumni who have made achievements of noteworthy value or have led a career of noteworthy accomplishment.

The six recipients this year had a wide range of backgrounds, from cosmology to aerospace to biomedicine. Among the six, Dr. James Wong (PhD ’65) travelled the farthest – coming with his family from his home in Hong Kong to accept the award.

On May 18-19, hundreds of current undergraduate and graduate students, and family members of Techers, attended the annual Undergraduate Academic Awards presentation. Addressing the audience of alumni, current undergraduate and graduate students, and family members of Techers, Stolper explained, “The Distinguished Alumni Awards are to recognize those who have done unexpected things. We expect great things out of all of you – that’s the norm. You follow a path that we have a very special scientific and technical education that will prepare you to be citizens of the nation,” and for any future career.

Upon the presentation of the awards, each of the six recipients spoke about their Caltech experience and thanked the CAA for their recognition. An echoing theme among the awardees was a sense of humility and surprise at being chosen from thousands of alumni to be recognized for their achievements.

Wong came to the United States to study math and physics at Baylor University in 1958 and found his way to Caltech for graduate school. He is currently the chairman of Chinney Holdings Ltd., the company he took over from his father after his passing, and found his way to Caltech for graduate school. He is currently the chairman of Chinney Holdings Ltd., the company he took over from his father after his passing. Wong was recognized for his unique career which led him to make “substantial contributions in mathematics and commercial enterprise – as an entrepreneur, he transformed his family business into a leading international investment company.”

Mary Baker (MS ’67, PhD ’72) is the president of ATA Engineering Inc. and was lauded for her “pioneering entrepreneurship and leadership in aerospace.” Baker has attended almost every Seminar Day to see the Distinguished Alumni Awards every year since its inception in 1966. When she first arrived at Caltech, she was one of only seven women students (all in the graduate school). She spoke a few words in appreciation of the education she received at Caltech, as she said, “Caltech is a place with its priorities straight, where science is first and sports are not so important. If you pursue science honestly, passionately, and seriously, you’ll have a heck of a lot of fun! That’s what I found at Caltech.”

Want to see more pictures from Ditch Day? Turn to page 4!

Continued on page 3.
**NEWS**

**CALTECH Y**

**NEWS**

**Distinguished Alumnus Doctor James Wong on Academia and Business**

PARUL PUBLI
Contributing Writer

Dr. James Wong, who was expecting to win. She closed with an inspirational song by Carla Harris that was truly empowering to be told that “work hard and the support of her family and friends. She focused on eye opening experiences she has had during her life. Those experiences were numerous, but the one she focused on was her trip to Senegal while she was a business Professor at the University of Florida. The idea of going to Africa and discuss the future of research and chemistry while simultaneously learning from her past. She told her story of the ‘Point of No Return,” which was the last place where African slaves would be kept before they were loaded onto ships destined for the Americas. Apparently not a dry eye remained after the tour guide looked around at the African-American scientists present and said, “We took our best.” Dr. Andino shared an inspirational song by Carla Harris titled “Expect to win.” It was truly empowering to be told that it is completely acceptable to try your hardest and live every day with a sense of purpose.

Dr. Andino is known for her unique philanthropic approach to her work, which includes the creation of the Andino Foundation, a non-profit organization dedicated to supporting education and social justice initiatives around the world. She has been recognized for her contributions to academia and business, including being named a Fellow of the American Association for the Advancement of Science (AAAS) and receiving numerous awards and honors for her work.

BLAC luncheon inspires community

**MONICA ENLOW**
Editor-in-Chief

Over Alumni Weekend in May 2012, the Black Ladies Association (BLAC) hosted their annual alumni mixer. BLAC was founded by two alumni, community members, and students in 1992. The group is committed to promoting educational and career opportunities for underrepresented students and postdocs, a plethora of staff and community members, and a significant amount of African-American American community on Caltech’s campus by connecting the past and present. Although BLAC has only a small and humble beginnings, BLAC has grown to encompass the three undergraduate women, current and former graduates, and community members, and to impact diversity on the Caltech campus, to bring them together. The only way to impact diversity on the Caltech campus, to bring them together.

**ANNOUNCEMENTS**

**BEYOND THE CALTECH Y**

Kidspace Rubber Ducky Races!
Saturday & Sunday | May 26th & 27th | 480 N. Arroyo Blvd. | Pasadena
Races are the first day of the summer season with their annual Rubber Ducky Races! Children will be decorating their own ducky raceway, making them up to the gardens to race them down the river! Each race throughout the day will have a 1st, 2nd, and 3rd place, with the decorating, race registration and racing. The shifts are: AM: 9am - 1:30pm; PM: 1:30pm - 6pm.

Email Brooke Applegate at bapplegate@kidspacemuseum.org to volunteer. Be sure to indicate if you are SHIP capable and SHIPT you want to work!

Dr. James Wong imports his wisdom concerning business onto eager listeners.
Photograph Courtesy of Caltech Chinese Association

**PARUL PUBLI**
Contributing Writer

Dr. James Wong, with over 9000 citations on 1500 papers and a multi-billion dollar business, interviewed many times about advice and on a talk last Friday. He proceeded to explain that academic and business, and in life, rests on three foundations: truth, fairness, and freedom. He has seen from their experiences that they have served me well.”

Sponsored by Caltech Chinese Association, the annual alumni mixer for graduate students and alumni alike came to Caltech. He concluded with some fail-proof advice: “If all else fails, just marry a rich man’s daughter!”

**MAY 19, 2014**

The California Tech
news

Techers awarded for outstanding academics, leadership

Continued from page 1.

leader. After her untimely death in 1990, a fund was established to recognize outstanding student leaders.

Zach Rivkin was selected as the recipient of this year’s Frank Teruggi Memorial Award. The Frank Teruggi Memorial Award was established in 1998 by friends and colleagues of Frank Teruggi, a Caltech undergraduate who was murdered in Chile in 1973. Teruggi, who was a PhD student, was so busy with his Caltech life, but to think about no women undergraduates is bizarre. I spoke with distinguished alumna Mrs. Mary Baker at the beginning of the lunch to ask her what her experience was during this time. She graduated in 1974 and as a PhD student, she was so busy with her lab work that she didn’t necessarily know that Caltech was undergoing such a huge change. Caltech graduated its first woman PhD candidate, Ms. Dorothy Semenow, in 1955, so while women graduated on Caltech, they were in the majority, they had already crossed that bridge.

In her opening remarks to the assembly, Professor Sargent mentioned the rhyme that boys made up when girls first arrived, humorously stating, “They rhymed ‘this with Kim, if that tells you anything.” It was very evident from her remarks and from the sentiments of Mrs. Baker and Professor Sargent, that the graduate women at the time were willing to reach out to the new female students and make sure that they found Caltech to be a welcoming environment. Professor Sargent also mentioned the concerns male students have that since women were first admitted, the primary concern being: Is Caltech lowering their standards by accepting women? The answer to that question is absolutely not. I had the distinct pleasure of sitting with four of these outstanding women during this lunch. Ms. Rhonda MacDonald, Ms. Karen Garth, and Ms. Gloria Liu were members of Ricketts and Ms. Pat Tressel was a member of Blacker. It was interesting to hear from Ricketts women about their time at Caltech. Currently, Ricketts is not one of the houses known for how many women rotate in every year. In 1970, the ladies told me that women were originally supposed to live only in Blacker and Dabney, but more women continued to Caltech than they were expecting and Ricketts was willing to award women living in the house. More than anything, though, I was fascinated with how they found out about applying to Caltech. Ms. MacDonald read an article in Seventeen about how Caltech was finally opening its doors to women. Ms. Tressel heard an advertisement on the radio about Caltech finally accepting women. It is intriguing to think about the cultural impact it would have on Caltech’s campus if Caltech had been without women undergraduates. It is intriguing to think about the cultural impact it would have on Caltech’s campus if Caltech had been without women undergraduates.

Continued from page 1.

In 1970, Caltech admitted women to its freshman class for the first time. This year marks the 40th anniversary of undergraduate women at Caltech, and to celebrate the Caltech Alumni Association hosted a “Celebration of Women” luncheon mixer at the Athenaum this past Friday. I had the distinct pleasure of meeting some of Caltech’s social pioneers. It’s hard to imagine Caltech’s campus today without any women. Though women still make up less than 40% of any given incoming class, it does not take away from their visibility. There are women in all walks of Caltech life, but to think about no women undergraduates is bizarre. I spoke with distinguished alumna Mrs. Mary Baker at the beginning of the lunch to ask her what her experience was during this time. She graduated in 1974 and as a PhD student, she was so busy with her lab work that she didn’t necessarily know that Caltech was undergoing such a huge change. Caltech graduated its first woman PhD candidate, Ms. Dorothy Semenow, in 1955, so while women graduated on Caltech, they were in the majority, they had already crossed that bridge.

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Kevin reviews LA Philharmonic’s performance

KEVIN SHENGYANG YU
Contributing Writer

On April 25, members of Professor Neenan’s music history class (MU 195) took a field trip to Walt Disney Concert Hall to listen to the LA Philharmonic. The following is a review of the performance.

The Disney Hall exuded a vibe of modern elegance, a perfect fit for the revolutionary music that we were about to observe in Bartok’s and Rachmaninoff’s compositions.

The curved metal walls seemed to be oriented randomly spiraled around the main hall. From our bench seats, perched right above the periscopes, the rest of the hall seemed to envelop the somewhat small stage, much like that of the Roman Coliseum. There was a certain fluidity to the venue that complemented the music we were about to witness.

Upon arriving, we saw the smaller orchestra was setting up for Gil Shaham’s performance of Rachmaninoff’s compositions. The two men having worked together multiple times seemed to have synergy in their performance as they worked together throughout the piece. The Bartok was quite a scene: the large fiery haired and quite emotional Denève – his cheeks often rippling from the beats – starkly contrasted the smaller and elegant Shaham who was busily coaxing the music out of his 1690 “Countess Polignac” Stradivarius.

The Concerto began with much anticipation with the gentle strumming of the strings. From then on, for me it became a two-man show as the show was transmuted on Shaham and Denève. The twelvetone theme seemed to welcome some forms of dissonance from the orchestra to complement the smooth and melodic theme from the soloist. The soloist was given many opportunities to express his talents, as there are various sections of difficult passages, winding up and down the scale. By the end of the first movement, the Shaham had more than a couple loose bow hairs and he had to retune his instrument before the second movement could begin.

Throughout the entire performance, Shaham’s face was all smiles; his musicianship was infectious to the entire orchestra. In the passages where the orchestra echoed Shaham’s melody, he would sway back and forth and interact with the violins. Although most of it was spectacular, there were some disappointments in the performance. It seemed particularly difficult to hear the clarity of the solo especially during some of the faster and rhythmic sections. Perhaps it was due to our location in the hall but even with the smaller orchestra – more musicians arrived for the Rachmaninoff’s symphony, Shaham was sometimes overwhelmed. Overall, the Bartok was a tremendous performance by the violin virtuoso.

An intermission ensued after the Bartok. The demographics of the hall was somewhat of a surprise to me. I would have expected the age ratio to favor the older age group but I was surprised to see many young people at the hall. There is a certain air of sophistication in the hall but there was some sort of artificiality to it. Some were genuinely passionate about the music but others from their conversation were there for the sake of being there. Anyways, the large portion of the audience did enjoy the performance.

As Denève returned to the stage for the Rachmaninoff, there is a different feeling in the air as the size of the orchestra has increased significantly for this piece. Rachmaninoff begins the piece very dramatically with a very gradual rise in volume. There is a certain contrast between the various movements. The first movement slowly picks up the music and the second movement is elegant and dance-like. The slow romantic mood set by the third movement transitions to the final movement seems to wrap the melodies from the first three movements as the orchestra races to the finish line. The musicianship and the executing by the players were flawless. Denève at points would very vehemently try to adjust the contrasting volumes especially during the solo solos when the orchestra could not seem to quiet down. Other times it seemed as Denève waved a magic wand and that every flick of his wrist called for the sounds to bend in exactly his way. The percussion section, closest to my seat, was quite interesting as these artists would patiently wait for over three hundred measures before painstakingly join in. There were particularly interesting methods of sound making that I cannot imagine could be described in the sheet music: the cymbals were being drummed on by a different player while also being clapped together but the musician holding it. This was certainly interesting to see as for most performances, the focus is on the strings and melody and not this intricate background – often unseen. Overall, it was an enlightening experience at the Disney Music Hall. A “Disney” moment as one would call it.
Former scholar athletes honored for excellence

MONICA ENLOW
Editor-in-Chief

This past Sunday Caltech Athletics hosted its first annual Hall of Honor Induction Ceremony. Caltech’s Athletics department has a long history of outstanding athletes, and Betty Mitchell, along with the rest of Caltech Athletics, made the Hall of Honor a reality. Professor Rod Kiewiet gave the opening remarks and set the stage for senior athletes Albie Lavin and Rebekah Kitto to take the podium. Even at the beginning of the program there was a very clear theme arising: balance. Albie and Rebekah’s comments appeared to resonate with every former Caltech athlete in attendance. The ceremony honored Caltech’s best and Caltech’s pioneers who exemplified the role of a scholar athlete.

The first honoree was Angie Bealko, class of 1996. Angie was an incredible athlete. She was honored for his accomplishments in track and field, football, basketball, and soccer. Angie was able to balance academics and athletics, which is why he values the perseverance and resilience he gained from his time as a student athlete. He understands that Caltech athletes experience the sentiment that a unique team support for the current athletic direction, and is confident that every Caltech team will have the ability to compete at whatever level they make it to.

C. Alan Beagle, class of 1970, was honored for his accomplishments in wrestling and football. He believes in the balance that athletics helps promote a sound body to foster a sound mind. Alan Beagle understands the rigor that Caltech athletes experience during practice and games, in addition to the classroom, which is why he values the perseverance and resilience he gained from his time as a student athlete. He hopes that Caltech athletes continue to persevere and bounce back from their struggles to constantly want to do better for themselves and the people around them.

Phil Conley, class of 1956, was honored for his successes in track and field, football, basketball, and soccer. Phil was able to balance academics and athletics, which is why he values the perseverance and resilience he gained from his time as a student athlete. He understands that Caltech athletes experience the sentiment that a unique team support for the current athletic direction, and is confident that every Caltech team will have the ability to compete at whatever level they make it to.

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ANNOUNCEMENTS

THE CALIFORNIA TECH

ASCIT Minutes

ASCIT Board of Directors Meeting
Minutes for 13 May 2014. Taken by Sean McKenna

Officers Present: Catherine Jamshidi, Nima Badizadegan, Connor Rosen, Connie Hsueh, Patrick Nikong, Annie Chen, Sean McKenna

Guests: Elliot Simon, Margaret Lee

Call to Order: 10:05 pm

President’s Report (Cat):

- Committee Appointments: Cat proposed some changes to the delegation of student/faculty committee appointments, dividing between ARC, BHC, and ASCIT. She is writing a resolution which will be voted on by the BoD.

- Strategic Identity Committee: The committee is looking to redo the new “secondary logo” (currently the C surrounding the torch), and they would like student input for the revision. Undergrads will be consulted in the near future.

- ASCIT subsidized Zipcars: Cat suggested subsidies for student trips to events nearby (Pasadena Playhouse, for example). Debated whether transportation is really an issue which undergrads need solved. Action is postponed until further notice.

- ASCIT Events for 2014-2015 General support for hosting a concert, continuing the Olive Harvest, funding the Field Day event, hosting Kip Thorne at a screening of “Interstellar.” Big I will happen again next year; Annie will set the date for it soon. Discuss the possibility of the return of Midnight Madness in the form of a fall athlete recognition/midnight madness/welcome the president event. Discussed the possibility of a visit to Huntington Gardens.

- Cat and Derek (South House RLC) planned a Red Solo Cup team art contest for Memorial Day (May 26th).

- Faculty Board Meeting happened yesterday. Paul Asimow reported that ASCIT subsidized Zipcars.

- Donuts: Cat is proposing a resolution to order weekly donuts through CDS while still using Donut Man for Midnight Donuts once per term.

Office’s Report:

- V.P. of Academic Affairs (ARC Chair; Nima):
  - ACM 95 Working proposal to split ACM 95abc into two 2-term courses (potentially 95ab and 96ab). ACM 95 would continue to include complex analysis, ordinary and partial differential equations. The new course would focus on applied linear algebra and deeper statistics than Math 3.
  - Bi 1 survey is still up on Donut
  - Three ARC reps at large will be selected on Sunday the 18th. Committee appointments will be made on the week of the 25th.
  - CS 0 A survey was sent to prefresh. Some version of CS 0 will happen this summer.

- V.P. of Non-Academic Affairs (BHC Chair; Connor):
  - Orientation Planning is in the works; not much will change. A survey will be sent to current students to discuss their perceptions about rotation.
  - Student Life and Housing Committee will meet to discuss the new MOSHI on Friday.
  - The waitlist process for the fresh class should be finished by June 1st.
  - Gym hours. Currently trying to get extended Braun Gym hours instead of late night gym in the SAC.

- Director of Operations (Connie):
  - Nothing to report.

- Treasurer (Patrick):
  - Email was sent out with new reimbursement form.
  - Many reimbursements are left from the transition, so Patrick will continue this weekend.

- Social Director (Annie):
  - Spring Formal Overall, it went well. People liked that it was nearby. The bus company provided poor service, so we’re looking to get money back from them.
  - An alum may be giving away stuff at Chouse next week.
  - Blown Out Reunion Concert Saturday at 8:30 pm at TACIT house
  - Six Flags Event is postponed to next year to make room for other end-of-year events.
  - No ASCIT Formal will happen next year. This will put us back in the pattern of having Big I and Formal in offset years.
  - Annie will look into the possibility of summer social events.

- Secretary (Sean):
  - I will be posting Patrick’s new reimbursement form to Donut soon.

If anyone has any questions or concerns about a section of the minutes please email the appropriate officer. We are happy to answer any questions.

Meeting Adjourned: 10:52 pm

News briefs from around the globe

Need to know <100 words about the world this week

Mars One crew selection underway
4 candidates to be selected by interview from 705, already narrowed from 2000 [CNN]

Star Wars VII filming starts
1st day of filming was last week in Abu Dhabi, publicized by director J.J. Abrams’ tweet [BBC]

Stem cell therapy emerges for MS
10-day wait for mice to walk again after receiving stem cell treatment for multiple sclerosis [CNN]

Teen cities on rise in US
100 such homeless encampments have formed, only 8 legally; many to be evicted and bulldozed [CNN]

Vietnam sees violent protests
100 Chinese citizens injured in anti-Chinese riots due to Chinese presence in South China Sea [CNN]

Disaster hits Turkish miners
201 killed due to mining explosion in Soma, Turkey; 24 arrested in ensuing protests [BBC]

Another World Cup worker killed in Brazil
25-floor apartment building collapsed due to unsafe building; government issues apology [CNN]

Drop in and talk to us.

The Caltech Counseling Center
The Caltech Counseling Center is now offering confidential, drop-in counseling 3 nights per week. Mondays, Tuesdays, and Wednesdays
7pm-10pm at the Health Education Office (CSS 248) enter through the 2nd floor stairwell on east side of building
For appointments or questions, please call the Counseling Center at x8331
The Serpent & The Sphere: a good mix of post-rock, black metal

Whoever first decided to mix post-rock with black metal was either a genius or extremely lucky, because as strange as the combination may sound at first, it’s hard to make no mistake: The Serpent & The Sphere hasn’t lost any of the dark, gloomy, and atmospheric elements that make Agalloch’s music so engaging, and their songwriting has always been full-bodied and complex.

The album’s final four tracks round it out nicely, showcasing the range of the record down without sacrificing any of its novelty. "Cor Serpentis (the sphere)" is another short acoustic interlude, which is followed by "Vales Beyond Dimension," a track which with black metal was either a genius or extremely lucky, because as strange as the combination may sound at first, it’s hard to make no mistake: The Serpent & The Sphere hasn’t lost any of the dark, gloomy, and atmospheric elements that make Agalloch’s music so engaging, and their songwriting has always been full-bodied and complex.

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**Gingham Style**

Leo Kraggman

Fashion news: fro's, sideburns, soul patches are IN

As are gingham shirts

Not plaid!

As are pastel shorts

by the way, ladies, I'm single

**Really Big Sudoku**

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Answers to last week's crossword

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Answers to last week's Sudoku

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9 1 6 7 5 3 8 4 2
5 2 8 4 1 6 9 7 3
2 9 3 8 6 7 4 5 1
6 5 1 9 4 2 7 3 8
4 8 7 5 3 1 2 9 6
3 7 9 1 8 5 6 2 4
1 6 2 3 7 4 5 8 9
8 4 5 6 2 9 3 1 7
```

- www.puzzlechoice.com

Lauren Niu

**Why?**

Lauren Niu

By the way, ladies, I'm single

The California Tech
Caltech 40-58
Pasadena, CA 91125