Alan Weinstein discusses teaching and Honor Code

KAYNÉ K. DINGILIAN
ARC Representative

Professor Alan Weinstein, professor of physics at the California Institute of Technology, is well-known for his work on the LIGO project and also for his dedication to teaching undergraduate physics students. I wasprivileged with the opportunity to interview and ask several questions on teaching and the Honor Code.

KKD: As a professor who is dedicated to teaching, what do you think of the Honor Code?
AJW: The Honor Code means that everyone gets to treat each other fairly and as responsible adults. I hope that students feel that sense of responsibility and treat each other with the respect that it implies and demands. For me, the Honor Code simply means that I don't have to worry (and I don't!) about cheating. I also know that because physics is such a difficult subject, it's encouraged for everyone to collaborate. Of course, your own have to reflect your own understanding and work, and the Honor Code ensures us that we can combine collaboration with an honest assessment of each student's understanding. I think the Honor Code is a wonderful thing and I hope it continues to thrive at Caltech.

KKD: Thank you, Professor Weinstein, for the interview. In closing, is there something interesting about yourself you would like to share with us?
AJW: All my life I have managed to be within biking distance of work; it's 3 miles from my home in South Pasadena. The morning commute is, for me, a wonderful opportunity to think about the things that make me happy: my adorable family, all my personal good fortune and joys, and of course, how physics makes all the phenomena around me more organized and comprehensible. If I have to drive to work for some reason, I often arrive cranky and in a less charitable mood; you'll probably be able to tell!
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

ASCIT Minutes

ASCIT Board of Directors Meeting
Minutes for March 4, 2014 Taken by Catherine Jamshidi

Officers Present: Connor Coley, Catherine Jamshidi, Connie Hsah, Michelle Tang, Malvika Verma, Monica Enlow.


Call to Order: 10:35 pm

Discussion Topics (brought up by guests + BoD):

- Budget Presentation from Monica
- Caltech Cares program: facilitating discussion about Title IX

Officer’s Reports:

- V.P. of Academic Affairs (AR Chair: Malvika):
  - The AR + UASH Reps have been having discussions with Dean Kiewiet regarding his petition for academic eligibility requirements. Discussion has been very productive and we have come to agreements on most things. It was seen by the CUE and APC and will likely go to a Faculty Board Meeting in the coming month or so.
  - There will be a Student Faculty Lunch this Tuesday, March 19th. Check your email for details.
  - There is also a GPA Option Tea next Wednesday, March 20th.
  - Planning for the Option Fair early next term is going well.

- V.P. of Non-Academic Affairs (IHC Chair: Connor):
  - The IHC has written a proposal to receive funding for “IHC reunions” third term.
  - Check out the new Hamnetton Center Lounge! It’s a work in progress, so be patient.
  - Many houses have received new RA’s, so you should go meet yours.
  - WiFi improvement Phase 2 is completed in the North Houses.
  - Meetings with the AD hoc Committee on Self-Governance have been going quite well. We’re seeking to increase both the rights and responsibilities of student leaders; we should be holding a town hall discussion sometime third term.
  - April 6th (First Sunday of next term) will be an EstComm training for House leadership. Try to reserve 10-3 for now, we don’t know the exact schedule.

- Director of Operations (Connie):
  - The little I, even if ASCIT helps with the content, will need a business manager to help with advertising and funding. We’ll decide what to do shortly.
  - If you didn’t get a little t this past year (especially fresh), ask your House President! There are extras in Ricketts lounge.
  - There will be a club fair during P/IIW as usual; if you’re not an officially registered club, make sure you do that soon.

- Treasurer (Monica):
  - Reminder: Every house can receive $500 for their Interhouse party if they request reimbursements before their party date.
  - Take advantage of the Multiboule Event Budget! You can receive up to $400 for an event between two houses! Talk to your social director(s)!
  - Come to ASCIT to fund your club’s event; we do special event funding throughout the year in addition to the annual club funding.

- Social Director (Michelle):
  - Be a Kid Again was very successful; we went through nearly all of the Girl Scout Cookies and watched Frozen!
  - Trivia Night was last Thursday at Clouse. It will likely continue next term as well.
  - There was an Open Mic Night in Ricketts on Thursday.
  - Riddock OJP was this past Saturday. The theme was Ancient China.
  - On Sunday, the A Cappella groups performed their “Love Sucks” Concert in Ramo Auditorium. There were also groups from several other schools.

- Secretary (Cael):
  - I sent out a survey to all of the Committee Representatives to get feedback on how everything is going. There are lots of responses so far.
  - Made the Google calendar for “ASCIT Events”. I’ll go through and add all third term events over spring break so we can release it to undergrads early next term.
  - Over spring break I’m also going to go through the By-Laws and Resolutions because I’ve identified lots of need for improvement.
  - Most house positions have been added to Donot. I’m waiting on contact information for all club presidents to include club information. 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: 11:46 pm

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get paid up to $30

Write articles for the Tech

THE CALIFORNIA TECH
MARCH 31, 2014

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Regardless of which pillars capture service, adventure, and perspective, feel free to contact the Caltech Y to organize 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!

Upcoming events:
1. Book of Mormon – Caltech Y Explore LA Series
   - Sunday | April 13 | 1:00 – 4:00pm | Hollywood Pantages Theater | Transportation is NOT provided | Sales begin 12:00 Noon, Wednesday, March 5 at the Caltech Y | Cost is $45 each (tickets are limited) | THE BEST MUSICAL OF THIS CENTURY” —Ben Brantley, THE NEW YORK TIMES
   - The BOOK OF MORMON features book, music and lyrics by Trey Parker, Robert Lopez and Matt Stone. Parker and Stone are the four-time Emmy Award-winning creators of the landmark animated series, “South Park.” Tony Award-winner Lopez is co-creator of the long-running hit musical comedy, Avenue Q. The musical is choreographed by Tony Award-winner Casey Nicholaw (Monty Python’s Spamalot, The Drowsy Chaperone) and is directed by Nicholaw and Parker.
   - This offer is for students only; however, students purchasing tickets are permitted to purchase tickets for up to one guest each – and that guest can be a non-student. Explore LA is coordinated by the Caltech Y with generous support from the Master of Student Support from the Master of Student Houses. The Caltech Y is located in the Tyson House 505 South Wilson (Bldg. 128).

For questions, email Phoebe Ann at pann@caltech.edu or Peter Hung at peterh@caltech.edu.

2. Los Angeles Lakers Game – Caltech Y Explore LA Series
   - Tickets on sale Thursday, March 13th at the Caltech Y
   - Friday, April 11th | 7:30pm Game Time | Staples Center (downtown LA) | Cost is $45 each (tickets are limited)
   - Despite a challenging year coming back from injuries, the Lakers are perhaps the most storied franchise in league history. And who knows when we’ll see the return of Kobe Bryant and Steve Nash to full strength...possibly finishing with a fury. Join us as the Lakers take on the Golden State Warriors. Transportation is not provided.
   - Tickets are available on a first-come first-served basis (with a few tickets held specifically for grad and undergrads) at the Caltech Y starting Thursday, March 13th at Noon.
   - This offer is for students only; however students purchasing tickets are permitted to purchase tickets for up to one guest each – and that guest can be a non-student. Explore LA is coordinated by the Caltech Y with generous support from the Master of Student Support from the Master of Student Houses. The Caltech Y is located in the Tyson House 505 South Wilson (Bldg. 128).

3. Save The Date! Make-A-Difference Day – Saturday April 5th
   - The annual Caltech Y Make-A-Difference Day will take place on Saturday, April 5th. Watch for opportunities to sign up on line, or at Decompression, coming soon. Make-A-Difference Day is organized by students to introduce student body to service opportunities and experiences in the local community. There will be more than 15 service projects to choose from (including working with children, working in the environment, fixing and building things, etc.), each of which will make a difference in the lives of community members. Past Make-A-Difference Days have had over 200 volunteers! Keep your eyes open for additional sign up information, and don’t miss your chance to participate this year.

4a. Pasadena LEARNs Tutoring
   - Wednesday and Friday Weekly | 3:00 – 5:00pm | Madison Elementary School | Pasadena
   - Come volunteer at Madison Elementary School! We are partnered with the Pasadena LEARNs program at Madison and work with their Science Olympiad teams on Wednesdays and do regular tutoring on Fridays along with occasional hands-on science experiments. We volunteer from 3 to 5 PM on Wednesdays and Fridays. Volunteers should be willing to commit to one visit per week. Transportation is provided. For more information and to RSVP, contact vkkumar@caltech.edu.

4b. Hathaway Sycamores Tutoring
   - Saturday Weekly | 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. The service trip includes about an hour of travel time and 2 hours of tutoring. Transportation is included. For more info and to RSVP Email Jossie Kishi at jkishi@caltech.edu or Ted Xiao at tgedx89@caltech.edu. Please note that work study is no longer be offered for this service trip.

If you have any questions, 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 (505 S. Wilson). Go to http://caltechy.org/lists/ to self-subscribe to announcement lists for upcoming events and sign-up information. For a student’s perspective, feel free to contact Phoebe Ann at phoebeann2@gmail.com or Laura Santoso at santoso.laura@gmail.com.
**Gobble Up Stories cast prepares for upcoming shows**

CASEY HANDMER
Contributing Writer

Hot on the heels of a highly successful run of Rent, Caltech Theater Arts gears up to present **Gobble Up Stories**, an original play by Caltech Emeritus Professor Oscar Mandel.

**Gobble Up Stories** is not your traditional play. Episodic, experimental, and evocative, the play features a series of pithy and often profound vignettes commenting on the social condition. Each nearly atomic story employs a different yet well chosen setting to explore perception and projection, questions that drive to the heart of theatrical art itself.

More broadly, it is a commentary on the difficulty of drawing conclusions despite flawed assumptions and faulty logic, with more than a few nods at practice and malpractice in the scientific tradition.

Despite its ambitious scope and challenging subject matter, the play is witty and light-hearted, and never above a laugh at its own expense. **Gobble Up Stories** is directed by Kathryn Bikle, whose solid grasp of the theatrical challenge also delivered recent productions of Shakespeare's *The Tempest* and *A Midsummer Night's Dream*. Rounding out the production team are clever costumes by Ann K Lindsey, set design by Elena Scire, and incidental choreography by Peggy Burt.

Featuring memorable performances by Caltech undergraduate students Bolton Bailey, Elizabeth Terlinden and Klavdia Zemlianova, Caltech graduate students Manan Arya, Kari Alison Hodge and Utkarsh Mital, Caltech staff members Regina Colombo and Douglas Smith, the show is surely stolen by sixth grader Phoebe Kellogg in a diverse variety of roles. Many of these people played production roles in Rent and other shows, and it's terrific to see them taking a turn before the footlights, highlighting the diversity of skills within the Caltech theater arts community.

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**2014 CALTECH UNDER-GRADUATE WRITING PRIZES**

Each year the division of Humanities and Social Sciences awards a number of prizes for undergraduate writing. Consider submitting your work to be recognized and rewarded for your work as a writer.

Submit your writing this year for these prizes:

**MARY A. EARL MCKINNEY PRIZE IN LITERATURE**
AWARDED TO THE BEST ORIGINAL POETRY AND FICTION. SUBMIT UP TO 3 POEMS. FICTION SHOULD NOT EXCEED 12,000 WORDS.

Prize amount: $500.00/each category

**HALLETT SMITH PRIZE**
Awarded to an outstanding essay related to the work of Shakespeare.

Prize amount: $500.00

**SUBMISSION GUIDELINES**
Deadline: April 4th, 2014

Only currently enrolled full-time students may submit. Entries should be double-spaced PDFs. Winners will be announced in June, and winners’ names will be in the commencement program. Winning writing will be archived using CODA through the Caltech Library. Email entries to Sini Elvington at elvington@hss.caltech.edu, noting the prize to which you are applying in the email subject and filename.

Contact Sini Elvington at elvington@hss.caltech.edu with any questions.
Cynic’s new album moves away from death metal genre

NAILEN MATSCHKE
Staff Writer

With their first album alone, Cynic became not just a band to pay attention to but a well-known act within the progressive metal community, and arguably an influential one at that. Listening to 1993’s Focus now immediately brings to mind a comparison to an act like Opeth, whose songs flow from calm, clean odysseys to brutal death metal. However, well-versed fans of death metal can easily tell that the album’s punishing instrumentals and screamed vocals are a product of the Florida scene, and there’s no mistaking that fellow bands such as Death and Atheist influenced Cynic’s work. Cynic was one of the first groups to not just branch out from the style but to do it well, and as a debut album, Focus is downright impressive. Unfortunately, the band was put on hiatus due to interpersonal tensions and didn’t produce any material after 1994 until 2008.

Traced In Air was released in 2008, and while it would be hard to call the album “influential,” few bands that have come back after a break, especially such a long one, can claim to have produced an album as good as Traced In Air. Combining elements of Focus with improved recording technology, an impressive understanding of how American death metal evolved over the interim, and a new focus on clean, electronically-enhanced vocals along with the occasional death growl, Cynic now immediately managed to stay relevant but also managed to keep an audience that had almost forgotten about them excited for more.

The band, between 2008 and 2014, then proceeded to release two EP’s, Re-Traced and then Carbon-Based Anatomy, both of which included a mix of experimental material, re-interpretations of old work from Cynic and side projects, and new songs. Finally, after several lineup changes executed by founders Paul Masvidal and Sean Reinert and a move to Los Angeles, the band released Kindly Bent to Free Us this year on February 14, and yet again Cynic has proven that they really know what they’re doing.

The album opens up with “True Hallucination Speak,” a song which, once the intro ends, makes it clear that the group’s sound has evolved yet again. In a somewhat unusual choice for a death or progressive metal band, the guitar vocals fit perfectly with the band’s overall more relaxed tone.

Next up is “The Lion’s Roar,” which is another track that initially I was a little unsure about, with a chorus and “theme” that alternate between major and minor keys and verses that start by killing all sound on the track except the lyrics and chords, sound a bit like guitar solos, building up to an energetic, dark part that leads right into a minute-long outro

The title track, “Kindly Bent to Free Us,” which is where I feel the album starts to become a bit more “metal” overall. After a serene intro and verse, the loud, heavy chorus hits the listener, complete with blaring synths and an abrasive transition back into placidity. Later on in the song we get a bridge full of chugging chords that leads right into a minute-long outro featuring a howl-like guitar solo and transitions back into the previous noise just as abruptly.

After this is “Moon Heart Sun Head,” which, while I wouldn’t show it to somebody trying to get into Cynic, is to me really enjoyable to listen to. The song constantly alternates between variations on a moody theme of sorts and eclectic, metal-based guitar cadenzas, creating an unpredictable interplay with fantastic musicianship that never goes where you expect it to. The second - shortest song on the album, “Gitanjali,” is next, putting the new guitar tone to use as it channels the aesthetic of a band like Ghost, recalling the slow, chugging beats of classic heavy metal. While an entire album of this would have been a huge disappointment from Cynic, one song that uses it to good effect is more than welcome. It’s relatively short and quite good, and there’s not much else to say about it other than that I’m glad Cynic has presented such varied material on this album.

“Holy Fallout” is the next to last track, and perhaps the most like classic Cynic. After taking a minute and a half to build up, the song enters an energetic, dark part which then gets presented and expanded upon in between tense, subdued segments. If not for the entirely clean vocals, this song could arguably be classified as progressive death metal, and it’s as good as ever.

Finally, we are left with “Endlessly Bountiful,” the first two-thirds of which is Masvidal singing “endless, endlessly bountiful” over some melodic electronic sounds and slow tremolo guitars, building up to a crashing, all-instrument chorus, whose end is followed by a brief, clean, and quiet guitar solo backed by bass and drums.

This album is immediately identifiable as Cynic, but is very much not a death metal record. That’s not to say that the genre’s influence isn’t there—different parts of the record very much evoke modern acts like Between the Buried and Me and Cynic’s older work—but as a whole, Cynic seems to have moved into the space of prog rock. While some fans may complain that Cynic is no longer, I certainly enjoyed this record, and hope that they don’t take many years to produce their next. It’s very hard to pick on anything in Kindly Bent to Free Us that could have been done better; no song feels unnecessary or out of place, all of the playing, recording, and mixing seems spot-on, and the lyrics are as evocative as ever. Perhaps the music lacks the emotional depth of other artists, but other than that I very much enjoyed the direction this album took. People who would be interested in this album have probably heard about it, but thanks to its lighter nature I suggest that anyone interested in prog rock or prog metal gives it a listen.

Are you interested in feeling more successful 3rd term?

This weekly group sponsored by the Counseling Center will offer practical, actionable tips for developing new skills to manage emotions, improving focus, and integrate mindfulness into your everyday life. Students may join any time in the series, and new content will be provided each week. Attending each skill session (4 weeks) is recommended but not required.

Tuesday evenings, 8-9:30pm in the common area of the Center for Diversity (CSS 2nd floor).

April 1 Mindfulness - living fully in the present moment
April 8 Emotional Regulation - calming yourself down when you're feeling overwhelmed
April 15 Distress Tolerance - managing difficult situations
April 22 Interpersonal Effectiveness - setting boundaries and asking for what you want
April 29 Mindfulness
May 6 Emotional Regulation
May 13 Distress Tolerance
May 20 Interpersonal Effectiveness
May 27 Mindfulness
June 3 Emotional Regulation
June 10 Series Wrap Up/Review

More information is available at the Caltech Counseling Center website: www.counseling.caltech.edu.
Today’s Puzzle: Crossword

Across
1. Long narrow range of hills
6. Solomon pledge
9. Carry
13. Decorate
14. Make a mistake
15. Conspiracy
16. Deluge
17. Understand
18. Fragrance
19. Storm
21. Water flask
23. Consume
24. Similar
25. Fuss
28. Used to control a horse
30. Back fin
35. Troublesome child
37. Desiccated
39. Mother-of-pearl
40. Alleluia
44. Heroic tale
46. Mentally healthy
47. Arithmetic operation
48. Maestro
50. Portable shelter
52. Domestic animal companion
53. Olfactory organ
55. Belonging to us
57. Treachery
61. Shaped like a ring
63. Be of use to
65. Allow
66. Thrust
69. Tennis stroke
70. Argument in favor
71. Large black bird
72. Woody plant
73. Amateur radio operator
74. Awake

Down
1. A flat float
2. Not working
3. Disastrous destiny
4. Fumble
5. Make attractive or lovable
6. Waistcoat
7. Mineral
8. Break forcefully
9. A pastry with fruit filling
10. Musical instrument
11. Domesticated
12. Panache
15. Large artillery gun
20. Move stealthily
22. Assistance
24. Enliven
25. At right angles to the length of a ship
26. Literary genre
27. Desert haven
29. Part of the eye
31. Type of file
32. Skin covering the top of the head
33. Debate
34. To the lowest degree
36. Trial
38. Eat dinner
42. Shaped to fit a mortise
45. Infirm with age
49. Pole
51. Vast treeless plain
54. Imaginary being
56. Relating to farming or country life
57. Yore
58. At any time
59. Uncommon
60. Basketball team
61. Particle
62. Exist
63. Affirm
64. To the lowest degree
65. To the lowest degree
66. To the lowest degree

Answers to last week’s crossword puzzle from puzzlechoice.com

SCORE COVEN ADAPT RELEASE SAC PROW AGUE TONIC ENTRAP MUS PROGENY LIVER OPERA TERM
FEZ CIREM LEBAL ALOE SALON RESEND UVASK ATTCH AREA TANK CARDEL LEI MUSH GIN SEVERAL RUE EVOKE SEPIA PAR TREND

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
LOST: Many Memory Cards  
(for a video camera)

They’re about the size of a postage stamp and were stored in clear Ziploc bags.

They were lost at the Caltech recycling center in late February.

Many random videos and **priceless** family videos.  
(I’m in the doghouse, please help!)

**REWARD: $1000**

If you don’t have them but can help me track them down, $500.

If you erased them or trashed them, please let me know.

CONTACT: Steve  
858-442-4729  
smcgibbons@gmail.com  

Thanks!
A Sense of Humor

Good Housekeeping: College Edition

Reenvision Your Space!

-USE THE FLOOR-

No Coat Hanger? Closet Full?

-USE THE CHAIR AND COUCH-

\[ \text{instant workspace?} \]

\[ \text{instant storage?} \]

Achieve Complex Flavors in your Cooking with One Easy Trick!

Our resident cooking expert Chef Don suggests just rinsing the pot rather than using the traditional soap, water and scrubbing. "The flavors from past meals then meld together to form this delicious complexity," says Chef Don.

Audrey Liu 3/11/14

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

tech.caltech.edu