Mark Wrighton to Speak at 101st Commencement

from Caltech Public Relations

PASADENA—Twenty-three years after receiving his own Caltech diploma, alumnus Mark Wrighton, now the provost at MIT and soon-to-be chancellor of Washington University in St. Louis, will return to campus for this year’s graduation exercises, this time to deliver the commencement address. Caltech will award nearly 500 academic degrees at this year’s ceremony, the Institute’s 101st, which will begin at 10 a.m. Friday, June 16, on the Beckman Mall, directly south of Caltech’s Beckman Auditorium.

Composer Les Deutch, a Caltech alumnus and JPL scientist, will start things off with an organ prelude, just as he has for the past 15 years, and Convocation Committee Chair J. Morgan Kousser will lead the procession of faculty, trustees, administrators, and graduating students into the Mall.

Processional music will be provided by the Caltech Convocations Brass and Percussion Ensemble, conducted by Bill Bing. The Caltech Gee Clubs, conducted by Don Caldwell, will sing a final celebratory “Hallelujah Chorus” from Handel’s Messiah.

Wrighton will deliver an address titled “20th-Century Education, 21st-Century Achievement,” and then the students will receive their degrees. Dean of Students Rod Roden will confer 214 bachelor of science degrees, Vice President for Student Affairs Gary Lorden will award 103 master of science degrees, Dean of Graduate Studies Arden Albee will bestow engineer’s degrees, and 165 doctoral candidates will receive their PhDs from the chairs of their respective divisions.

Wrighton, who received Caltech’s Distinguished Alumni Award in 1997, is the Ciba-Geigy Professor of Chemistry at MIT, in addition to being provost. During his tenure as provost at MIT, Wrighton has addressed issues such as lengthening some undergraduate engineering degree programs to five years, examining the role of environmental studies in serving the larger needs of humanity, reevaluating the academic computing environment, and assessing the impact of international educational institutions on science education and research as a whole.

After receiving his PhD in chemistry at Caltech in 1972, Wrighton joined the faculty at MIT as an assistant professor of chemistry. In 1979 he became an associate professor for one year, and in 1977 he became a full professor. Four years later, he was named the Frederick G. Keys Professor and, at the age of 32, became the youngest person ever at MIT to be appointed a named chair. Wrighton served as head of the chemistry department from 1987 until 1999, when he was named provost.

The author of more than 400 articles and the holder of 14 patents, Wrighton conducts research that uses chemical processes to mimic photosynthesis. Recently, he has been investigating superconductors and their use in sensor devices.

Active in public and professional affairs, Wrighton has been elected a fellow in both the American Academy of Arts and Sciences and the American Association for the Advancement of Science. He served as associate dean of Sloan Fellows, a Dreyfus Teacher-Scholar Award, and a MacArthur Fellowship. Wrighton has also received two awards for excellence in teaching from MIT.

He will assume the post of Vice President for Student Affairs, Wrighton has been re-elected a fellow in both the American Academy of Arts and Sciences and the American Association for the Advancement of Science. He served as associate dean of Sloan Fellows, a Dreyfus Teacher-Scholar Award, and a MacArthur Fellowship. Wrighton has also received two awards for excellence in teaching from MIT.

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Alumni Association Selects Recipients of the 1995 Honorary Alumni Award

from Caltech Public Relations

PASADENA—Caltech staff member Bill Schaefer and Los Angeles Times sports columnist Jack Smith have been selected to receive the Caltech Alumni Associations 1995 Honorary Alumni Awards. The awards were presented at the Honorary Alumni Dinner and Annual Meeting at the Athenaeum on June 8, 1995.

Bill Schaefer retired from Caltech this year after 35 years of service during which he taught freshman chemistry, analytical chemistry, and X-ray diffraction; served as assistant director of admissions, director of financial aid, and registrar; worked on research in structural chemistry and archaeological chemistry; and led two travel/study programs (Equador and Guatemala), with a third planned for the Yucatan in February 1996.

Throughout his long career as a features writer for the Los Angeles Times, he has written knowledgeably and glowingly about Caltech. He has covered a wide range of Caltech stories, from student pranks to more serious topics such as the possibilities of time travel. A Southern California native, Smith was born in Long Beach and began his newspaper work in the late 1950s as a sports reporter for the Bakersfield Californian. In subsequent years he worked for several papers including the Honolulu Advertiser, the Sacramento Union, the San Diego Daily News, and the Los Angeles Daily News. Smith joined the Los Angeles Times in 1953 as a reporter and writer. His other accomplishments include several books and four honorary degrees. In 1991 he was awarded the Greater Los Angeles Press Clubs highest honor, the Joseph M. Quinn Memorial Award.

The Honorary Alumni Award is given annually to individuals who have given significant service to the Alumni Association and who support the purposes for which the Association was organized: to contribute to the educational and cultural environment at the California Institute of Technology; to strengthen the contacts between the Institute and alumni; to encourage fellowship among Association members as fellow alumni of the Institute with common interests; to promote mutually beneficial contacts between students and alumni of the Institute; and to support student activities aimed at diversifying the educational experience available at the Institute.

We didn’t get enough submissions to make the Ditch Day pull-out we’ve been talking about, but here’s what we did get! Thanks to those of you who contributed!

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Protests must be given in writing to either ASCIT President Jon McDunn (caribou@cco), Chairman of the ExComm David Cuthbert (dacut@cco), or the Election Chairman Carrie Griffin (carrie@ugcs).

Class Election Results

Junior Class President: Gina Serraiocco
Junior Class Secretary/treasurer: Dave Bacon
Senior Class President: Adil Karim
Senior Class Secretary/Treasurer: Alison Stemp

Contract Deadline is June 9, 1995

The deadline for submitting or canceling the Housing Contract for the summer and the fall is Friday, June 9. Contracts are available at the Housing Office. Students can cancel their contracts by sending mail to bill@cco.

If you have any questions, please contact the Housing Office at x6176.

Conducting Class

Are you interested in taking a conducting class next year? Both Don Caldwell and Bill Bing have expressed interest in teaching a 9-unit humanities class that would include music studies, orchestration, conducting theory, and baton technique. A 3-unit performing arts class is also a possibility. We need the names of people who might take the class to help convince Caltech to offer it. If you are interested, please contact jonal@cco, Caltech MSC 146, or extension x1635 with your name, level of interest, and suggestions.

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In This Issue:
Dear California Tech:

I am writing in response to the shock I experienced this afternoon when I went to vote in the senior class elections and found that there were no such senior class elections, including the one that was finally held in last Friday’s edition of the Tech. I decided not to try to get the election postponed because I didn’t feel that people who had read the senior class president elections would read them again either because they might not notice that there was one more then there had been the first time they read them, or because they just wouldn’t care as much. I’m glad I made this decision based on what I was told last Friday when I attended the weekly Tech meeting. I was told that there were thirty copies of my statement printed up with an apology of the Tech that were supposed to be posted in all the house lounges. If this were true, I should have seen at least four posted in my own house. I saw one, and it was on the wall. It was also told that there would be a set of statements next to the ballot boxes. I realize that this may have been delayed by the ASCIT Election people, but at the very least this new set could have been printed up and posted in a position as close as ASCIT would allow to the ballot boxes. I did my part by turning in my statement, but at the end it was not acceptable. I also included my phone number and a promise to redo the statement on disk if there was some error on your part, it was not accepted. I sat there why it was explained to me that my statement would appear. It was supposed that my statement would appear.

Dear Editors:

As a mother of a Caltech student, I would like to add my perspective to the controversy. Two years ago my son started at Caltech I was very surprised to find out that Caltech allowed the students to have cats as pets if they met certain criteria such as registering them. I thought it was a thoughtful policy on their part. The power of a pet to help a person who is hemophiliac or under stress is well recognized. During conversational meetings with my son, and from personal observations I have a local dorm and get over to his campus fairly often although my son lives on campus) I quickly learned that cats ruled the roost at Caltech. The cats, sporting their collars with different number tags, strolled around freely and had many willing “parents” to pet and feed them according to their owner’s whims. I had the distinct feeling that the students felt privileged when one of them designed to allow them to pet them, so royally are they treated. In fact, I felt quite honored to board two of them over the winter holiday. Caltech has been very supportive of the students having these pets; it would be much easier for them to ban them from the campus than to take the measures they do to assure that health standards are met for both the animals and the students. Knowing this background I have always had a chuckle out of the “cat- jokes” that are in The California Tech newspaper. The satire is obvious when you know that cats roam the dormitories with the dignity and respect that are accorded to them. I regret that the “cat-jokes” have effects on anyone who doesn’t know the inside-story. The students are being entirely satirical, even calling the cats by their names in their jokes because most all of the on-campus students know each of their names personally. I can only suggest that if anyone seriously doubts Caltech students’ commitment to their feline-friends, they might take the effort to visit the campus and see what the real story is. These are kids coming from their furry friends.

Sincerely,
Karen Morn

Editors

Letters to the Editor

CAlifornia Tech

June 9, 1995

Dear Editors:

Don’t get lost in the corporate crowd. Come join the team at Questor Systems where every individual’s contribution is crucial. We are a local company providing software solutions to museums around the world. There are opportunities in Windows development, Imaging, Web servers, Post-relational database design and more! Our work environment, which is personal, casual, flexible, and nonsmoking, will allow you to reach your full potential professionally and personally without being lost in the anonymity of the corporate world. You can even work while you finish your degree.

Resume to:
Dave Rhoadmer
Director Development
Questor Systems, Inc.
899 El Centro St., Suite 101
South Pasadena, CA 91030

IHC Minutes: 6/6/95

Present: Tom, Laura, Brian, Nestor, Vogel, Alison, Art, Bill, Adil and DAC.

DAC (David Cuthbert) needs to form an election protest committee to handle protests, bylaw problems, small raza takeover and other “special problems.” If you are interested in this please speak with your House President. Party news: 1 Ricketts pinball game was etched, other than that no damage, and a good weekend.

Due to extra space in the housing lottery SURFERS from other schools can be moved to Marks-Braun creating more space in the UG houses.

The relatively final number of freshmen is 217; we will redistribute as necessary.

Kim West wants to meet with the IHC and various members of the Administration to discuss a possible problem of the house system and people who move off campus.

The IHC will meet this summer, since all of us are busy, with some random job here. We will be discussing things such as Avery and Ro*H*in* Stuff.

Next year The Tech is looking to increase its staff by leaps and bounds. Editors are paid (not just elected editors), so if you need to fill some time and want to earn some money each week, please email editors@tech with your intentions. We’ll get you trained and, before you know it, you’ll be producing The California Tech. Take care, and have a great summer! Good luck, seniors!

Karen

With some random job here. We will be discussing things such as Avery and Ro*H*in* Stuff. We’ll go into all Caltech housing, including but not limited to: The undergrad houses, 150, 270, 280, 290, the Quad, the Gix, Marks-Braun, MJ, and so forth.

We discuss parking gripes, and Tom says he’ll take them to his meeting on the subject.

Taking things from houses, even as a prank, without leaving a note is a very bad thing. The continued absence of the Interhouse trophy is a very serious event, and Brian would like back as soon as possible. He lives in Fleming, room 59 if you would like to talk about this. If you have any information or know about this or someone who does please tell Brian or any of the members of the IHC.

Nestor found his couch, and Brian did get his cushions back.

Sigh, have a good summer folks!

respectedly submitted,
Laura Brady, IHC Secretary

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Present: the BOD minus James and Ken plus Anil Ropmariner, Flora Ho, Maria Sutterswrite (Nestor’s girlfriend), Lori Hsu, Eric Co, and Christian Waine.

Meeting starts at some unspecified time. Maria asks for Lloyd Interhouse money. Multicultural money. Whatever. We give it to her. Lori asks for Dabney Multihouse money. What is it with all of these random people pestering us for their money? We sigh and give Lori some money.

Anil asks for recognition of the Cricket Club. We ask him to give us a statement of purpose. Half an hour later, Anil returns with some statement of purpose (typed!), and we recognize the Cricket Club 6-0-0.

Eric and Christian ask for funding for the Skeleton Crew. Greg says he has some extra moosah in his budget, and we gratuitously donate $150 to the Skeleton Crew.

Kanna whines and cringes at the sound of Eric Hackman’s name. SIMPLE HOME EXPERIMENT: If you happen to see Kanna, walk up to her and engage in normal conversation. Sometime during the conversation, just casually mention the name Eric Hackman. Watch Kanna’s reaction. Explain.

Steve and Gavin ask whether we should print Dan Eckstein’s name Eric Hackman. Watch Kanna, walk up to her and engage in normal conversation. Nothing happened. Yeah, Anil gave us this cool Clublet, but we really didn’t anything too thrilling. So if you want real excitement, find the BOD in SAC 64 on Wednesdays from 4 to 6 and ask us stupid questions. Trust us — we’ll know the answers. We’re the BOD. Sure, the all-powerful James Honaker might be a bit sleepy, but so what, I say. WHAT? It just doesn’t matter anymore why you ask us for the things that we ask ourselves everyday. Yeah. Submitted. And boy, they are. Or girl. Whatever your gender of preference is. Dave “my English teacher once made us write an essay comparing ‘Heart of Darkness’ and ‘Apocalypse Now’” Relveys ASCIT Secretary.

Official ASCIT Minutes: 5/31/95

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ASCIT FRIDAY NIGHT MOVIE

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Sat.-Sun. Regular Matinee 2:30 p.m.

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On Commencement Day don’t forget film, disposable cameras and cold drinks.

September 1, 1995

ASCIT Secretary
CASH for your used BOOKS!

Bring Them to the Caltech Bookstore
(Winnett Student Center)

June 13-15
Tuesday - Thursday
9:00 a.m. - 5:00 p.m.
Ditch Day in Fleming

We had a wide variety of stacks here. There was everything from Ozenne's brute force stack where there were seven walls to break down, each made of a different material ranging from concrete to glass. Another favorite was Rajan Ranga's Myst stack. The clues in this stack were quite tough, but the bribe at the end was awesome as was the special computer effects he used to pull off the stack. There was also a Doom stack where a model of a doom level was constructed in one of the rooms. We had to crawl through four levels in order to reach the end. Among others was a Blues Brothers stack and an Olympic stack. All the stacks were quite elaborate and extremely fun. Thanks Seniors for a great Ditch Day.

DECOMPRESS!! This Saturday and Sunday is Decompress—free food and entertainment starting at 7:30 p.m. in front of Winnett. Come eat, relax, and hang out with other grads and undergrads.

We have another noon concert this Friday. Silver Jet will be playing in front of Winnett, so bring out your lunch and listen to some good music.

The time has come to set up the Caltech Y Summer Excomm. If you are interested in planning events for the summer or if you would like to know more about the Summer Excomm, stop by the Yard talk to Chris.

Don’t forget that the Y will be selling discount tickets to local theatres and theme parks and renting camping equipment all summer. So if you’re planning a vacation, think of us! Good luck with finals and we hope to see you at Decompress!
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Some Ditch Day Photos
Creating the bead: Alison, Mark, Nelson, Brian, Perry, Marni, Laura, Mike, and fusion
look for a tape while trying to find all three pieces of Tampas’s urinal. Their day tank them
to Great Park, an off campus storage locker, and all over Caltech’s campus.

WANTED
SAT Verbal and Grammar Instructor: $25-30.00 per hour
Up to 20 hours per week
Teach highly gifted Middle and High School students in Arcadia Area. 15 students per
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**TRAVEL—**

- **Scurves’ Ditch Day**
  - by Adam Villani

The centerpiece of the courtyard for Ditch Day in Rickets was the huge box of balloons set up for Kevin Boyce and Giota Rodriguez-Sandoval’s “Duckboat Stack.” This box also involved a box full of 3000 ladybugs and a sealed-off room blaring Balinese monkey chant and Blondie all day. Karen Caccioni, Jenny Cormack, and Leslie Markfield’s Time Machine stack had a clue written on an auger dish with luminescent bacteria, and Jason Hollinger erected a 3D map and a hallway with secret panels from Indiana Jones. Clark Chang’s Space Marine stack used a laser and a mercury switch, but the ungrateful underclassmen counterstacked their notice.

In contrast to the rigid order of most stacks, Jake Holland merely gave his participants a random list of fun things to do, including painting a mural of Elvis and ordering lunch from Tony Roma’s without speaking. Adam Villani and Jane Ogilvy sent their underclassmen on a quest around Los Angeles, including visits to East L.A. and the largest Buddhist temple in the Western Hemisphere. Frances Chao and Penny Sherman also sent techers off campus, but only to Colorado Blvd. and the Pak-Minn arcade where they collected clues for a game of — you guessed it—“Clue.” Mickie Wilber’s Robin Hood stack hid clues inside wax molds and was cracked early—but her underclassmen celebrated by drunkenly stealing a Daihatsu and a mercury switch, but the ungrateful underclassmen counterstacked their notice.

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**CLASSES ADS**

**FREE DELIVER TO CAMPUS**

**FOR YOUR CONVENIENT**

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**Scurves’ Ditch Day**

by Adam Villani

...we have no bananas today.

---

The biggest unanswered question is... Where is the next Ditch Day?
Seniors!

From the Big T: Please turn in your mailing address by June 22 to which we can send your yearbook in the fall. Please remember that if you do not have your address turned in by June 18, a $5 mailing fee will be charged when you request your yearbook at the auction. Also, if you wish to have your se-

nior picture printed, please address your sealed envelope. Any ques-
tions can be directed in person or by phone to 716-7255.

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Advertisements

The Koret would like to announce that the Koret day of Action for Women Con-
test is Misty Ota. Congratulations. The Koret would like to thank everyone who participated.

The Koret is coming, the Koret is coming! Plans for the distribution of the Koret will be announced early next week so everyone can know when and where they can get a copy. Watch for the Koret.

Are you interested in taking a teaching-
class next year? Both Don Caldwell and Bill Rong have expressed interest in teaching a class next year. Classes that would include music styles, orchestra-

tion, conducting, and baton technique. A 3-unit performing arts class is possible. Additional classes may be offered if interest is high enough. For further information or specific details, please call extension 4724.

The Caltech Y currently has borrowed tickets to Walt Disney Beauty and the Beast for a matinee at 1:00 p.m. on July 28th at the Schachet Theater. Tickets may be purchased at the box office on the Y or at the Rec Center. Only two tickets per person, please.

The Caltech Y has publicly announced its right to create and host "noise, disturbance and utilization interferences as a result of construction of the Avery House at 295 S. Holliston Avenue, from through August, 1990 from 6.00 a.m. to 3:00 p.m. daily." For further information or specific details, please call extension 4724.

The Caltech Muslim Student Association will hold Friday Prayer Meetings in the Yulestone at 12:15 p.m.

"Take a Break and Spend Some Time With Friends." The office of the International Student Services plans to invite you to our Open House for coffee, tea and a tour of our facilities. This is a great way to meet new people and enjoy music. The group will meet at 1:00 p.m. - 5:30 p.m. at the office of International Student Programs, Ollie Walk. Open to the entire Caltech community.

The Gay, Lesbian and Bisexual Support Group (GLBS) will meet from 7:30 p.m. to 9:00 p.m. on Wednesdays in Winnett Hall. The club will be meeting at 201 W. California Blvd. on the 3rd floor. The Gay, Lesbian and Bisexual Support Group participates in the annual Gay Pride in the fall. For more information, please contact Neil Farri at 564-1896 or c661@caltech.edu.

The Caltech Ballroom Dance Club will hold 18 regular classes this fall. The classes are held in Winnett Hall from 8:30 p.m. to 10:00 p.m. The Ballroom Dance Club offers basic instruction in the most popular social dances. The classes are held on Mondays, Wednesdays, and Fridays. For more information, call 623-5879.

The Honeymoon Bluegrass Band will be playing at the Red Door Cafe this Friday, June 7th, from 6:30:00 p.m. to 8:00:00 p.m. Come celebrate the end of the semester and our last class and enjoy some great music! Come and enjoy this evening of fun and music!

A Fossil & Rock Collection has been added to the Exhibits Enthusiast will be in Red Door Cafe this Friday from 6:30:00 p.m. to 8:00:00 p.m. The collection is open to the public, and fine specimens can be purchased at a price in 50 cents. For more information, please call Chris Gibson at 623-4155.

The Hugh姜yropy Band will be playing at the Red Door Cafe this Friday, June 7th, from 6:30:00 p.m. to 8:00:00 p.m. Come celebrate the end of the semester and our last class and enjoy some great music! Come and enjoy this evening of fun and music!

BONUS BENEFIT: 40% Off Any of the search for Pasadena's Ultrasound Treatment ew/elope. in Dabney Gar-

Announcements

From the Counseling Center:

PARTRAVEL COUNSELOR

Announcements

+ denotes a new announcement.

Internships and Competitions

Be a part of the search for Pasadena's New Day's embassies to the? The Rose Queen and Royal Court of the 157th Tournament of Roses Auditions will be held in the Rose Bowl parking lot between 9:00 a.m. and noon, then 1:00 p.m. to 4:00 p.m., or Monday, September 10th, between 3:00:00 p.m. and 5:00:00 p.m. Each participant will receive a ticket for two to the Rose Bowl, a full-colored poster presented by Nordamerica and hosted by the Tournament of Roses. 2010, the Rose Bowl will be held on Friday, September 20th, at the Pasadena Hilton Hotel. The Tournament of Roses Royal Court selection process is open to all unmarried women. Participants must be legal residents of the Pasadena Areas of the Pasadena Area Community College District. Each participant will be allowed to attend a rehearsal and performance, if they wish.

Club Announcements

Starting June 19th, Shotokan karate practices will be held in the Brown gym on Mondays 5:30 to 6:30 p.m. on Mondays, Wednesdays, and Fridays. Beginners are welcome. For more information, please contact Neil Farri at 564-1896 or c661@caltech.edu.

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The Announcements Department reminds you that the winner of the Totem Cover Competition will be announced. Please remember that if you do not have your name on the mailing list for the Announcements Department, you will not be included in the cover competition.

The California Tech

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There once was a man from a South House

There was a south houser. He practiced transhumanism with his flock, which means he migrated seasonally (highland meadows in the summer; Caltech flats in the winter). One summer he is in the upland meadows, and having been there for many weeks with only his dog and his sheep for companions, he is somewhat lonely and very hormonally charged.

While sitting on the fender of his wagon one day, he spies a particularly attractive ewe as she meanders nearer to his cart. Suddenly, he leaps up and grabs her by the wool of her hips, yanks down his pants and begins trying to penetrate her. Just as suddenly, the dog comes over, grabs the shepherd by the bare ankle and drags him away from the bleating ewe.

"Oh my god," mutters the south houser. "I can’t believe what I just tried to do. Thank you, dog, for helping me." He puts the dog and gives it a treat. A few days later the same thing happens. The same ewe wanders close to the wagon; the south houser leaps upon her and begins the attempt again; the same dog drags the man away. The south houser praises the dog, puts him sweetly and gives him a treat.

The summer rolls on with only a couple more similar incidents, and then comes the time for the migration to the lowlands. The dog and the south houser herd up the flock and begin the journey through the rocky passes back to the winter pasture. On the way, they must ford a wide and rapid river. As they near the river, they hear blood-curdling screams for help! The south houser rushes to the edge of the water and sees a helpless and flailing her arms futilely. Immediately he wanted to get out to #27 house. I somehow got in, even though i was a member of #13 ritual of #14. In the end, everyone was #15.

When I first got picked into the house, I thought it was #16. After a while, though, I realized it was just #17. The people there were #18, #19, #20, and tried to #22 out my #23 ring. They refused to be #24 when I said "stop trying to #25 me," and tried to #26-faces. Unfortunately, I had to. I went in and sat down next to #10. He proceeded to #11 and hit on #12. Not only that, all the members participated in this -- #13 ritual of #14. In the end, everyone was #15.

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We have just discovered irrevocable evidence that the probability of a given event is not, in fact, unconditional.

Decades of rigorous scholarship have laid bare this fundamental fact. The probabilities we hold in our hearts and minds are, in fact, not more than a convenient model for the world as we perceive it. The actual probability of any given event is not a constant, but fluctuates with the passage of time and the course of events.

This realization has profound implications for our understanding of the nature of reality and the limits of human knowledge. It challenges the very foundations of classical mechanics and quantum physics, and requires us to rethink the very concept of causality and determinism.

As scientists, we must be prepared to confront the implications of this discovery. It is a daunting challenge, but one that we cannot afford to ignore. For it is only by acknowledging the true nature of probability that we can hope to unlock the secrets of the universe.