Annual Club and Resource Fair Takes Tech by Storm

By Steven Van Hooser

As arriving students breathed new life into Caltech Tuesday, campus organizations took advantage of the new crop during the annual Club/Resources Fair on the Olive Walk.

A major function of the fair is to introduce clubs to new students. Freshman Christina Molodowitch said "I got lost a lot of clubs here as flers," while her classmate, Michelle Miller, was "impressed by the diversity of clubs and activities at Caltech." Some new organizations, such as the Electric Auto Association, introduced themselves to Tech at the gathering.

The fair also gives additional information about clubs of which students may have already known. Freshman Maria Huang knew the Caltech Y provided for the entertainment of Caltech students, but "through the introduction of the representatives, I learned that the Y offers opportunities to work for the community and the school through programs such as tutoring and leadership training."

Some students appreciate the personal touch of meeting club organizers. Daniel Chang, president of Caltech Christian Fellowship, stated that "The Club Fair lets you meet people in person instead of just seeing a name and a picture."

In addition to helping students find clubs, the fair also helps clubs find students. Humbert Suarez of the Surfing and Wind Surfing Club said "The club fair is very good for the Wind Surfing Club. We get a lot of new people interested from the fair."

Many groups collect students' email addresses to forward additional information regarding meetings and activities.

For some Caltech/JPL community clubs, such as the Caltech Flying Team, the fair provides one of few forums to attract students. Garrett Reisman of the Flying Team stated "We've had a declining representation of Caltech students in our organization, and this Club Fair is the primary means by which we want to change that."

Many clubs listed prospective members with ornate displays, interesting information, and free food. Especially impressive was the Caltech Medieval Renaissance Society, which boasted three swords, a dagger, armor fragments, a wineskin, and recipes from the Middle Ages. The Students for the Exploration and Development of Space (SEDS) set up an 8-inch telescope to look at the sun, and the Caltech Space Society strung a lunar globe and video, by coincidence, the space shuttle Discovery added two sonic booms to their exhibit. The little teapot dispensed a little tea, while the Society of Women Engineers provided interested Techers with punch, cheese, and crackers. Also stationed at recruiting tables were various religious and ethnic fellowship groups, orchestra and glee clubs, and at least five marital arts associations.

Younger Techers participate in their clubs, new and exciting avenues and activities will be explored and created, defining the future of the social experience at Caltech.

Caltech Appoints New Director of Admissions

By David R. Derklin, ASCIT Secretary

Charlene Conrad Liebau has been appointed the new director of admissions. Liebau succeeds Carole Snow, who served as director for three years.

Liebau comes to the Institute from Occidental College where she has been the dean of admissions since 1985. She has also held the positions of associate director (1982-85) and assistant director (1979-82) of admissions for the college. During Liebau's tenure as dean, applications increased by 78 percent and as president of the alumni admission program. Liebau also served on the search committees for the college's president and vice president and chaired the faculty/administrative committee on student retention. Prior to Occidental, she was the assistant dean of women at San Jose State University.

"Caltech looks forward to having Charlene lead us in the recruitment of diverse and quality students," commented Dr. Sharyn Slavin, assistant vice president for student affairs. "She brings a depth of experience with her that will give great leadership to the Institute. I look forward to working with her."

A local resident for many years, Liebau has been very active in volunteer work, including holding the office of president of the board of trustees of the Polytechnic School in Pasadena, and working as a member of the board of trustees of the Berwood School (an independent, coeducational, preparatory day school).

She has also served as vice president of the Pasadena Symphony Association, as a member on the Board of Directors for the Shriners Hospitals for Children, as a member of the National Defense Education Board, and as president of the Junior League of Pasadena.

"I am excited by this opportunity to work with Caltech and its commitment to excellence in research and scholarship, by recruiting students who are interested in the world around them and who are eager to challenge themselves," said Liebau.

Liebau received a B.A., with honors, from the University of California, Berkeley, and an M.A. from the School of Education at Stanford University. She lives in San Marino with her husband, Jack.

Pauling Passes During Summer

Lina Pauling, the only winner of two unshared Nobel Prizes, a visionary scientist and leader for peace, died Friday, August 19 in Big Sur, California. He was 93.

Born in Portland, Oregon, on February 28, 1901, Pauling received his BS in chemical engineering from the Oregon Agricultural College (now Oregon State University) in 1922, the same year he came to Caltech as a graduate student.

Read at the Institute, 9 November 1994.

Results of Last Year's Proposed Bylaws Amendments

By David R. Derklin, ASCIT Secretary

In the election of 3 June 1994, seven proposed amendments to the ASCIT Bylaws were considered by the undergraduate student body. A two-thirds vote (approval) was required to pass each amendment.

The first amendment, to increase the annual big T assessment from $30 to $36 per yearbook, passed with considerable support (86% of voters approved). This change was fully implemented over the summer and will affect the '94-'95 and future yearbooks.

Amendment Two, which passed with 84% approval, altered the Tech Editors' term of office from one to the beginning of third term rather than in the middle of second term, when the other ASCIT officers are installed. In addition, the election for Tech Editors will now be held with the second round of elections, instead of grouping the office in the first round (with the election for President and Vice President / BOC Chairman).

Amendment Three, which failed with 59% approval, proposed to establish a time limit within which petitions proposing amendments must be presented (15 days) before being presented to the Board of Directors for official action. It also would have lengthened the deadline for holding the election from 15 days to 21 days after the official action of the Board.

The fourth amendment failed with 58% approval. This amendment proposed patching to the fiscal articles, including the removal of language requiring the Board to revise the dues annually to compensate for inflation. Much of the "fine print" was PLAIN SEE BYLAWS. Please see subsequent issue.
THE WATSON FELLOWSHIPS
REMINDER TO INTERESTED SENIORS

A one- to three-page project proposal draft for the Watson Fellowships is due in the Dean of Students office, 102 Parsons-Gates, on Monday, October 10, 1994.

Keep in mind that successful proposals generally have a single topic of study or investigation that reflects a student's long-standing interest in that area.

The Watson Foundation provides fellowships of $15,000 for a year of independent study and travel after graduation. They are designed to encourage an informal break in the normal sequence of undergraduate-postgraduate education and are a marvelous opportunity to travel outside of North America. Caltech nominates two seniors each year for this fellowship.

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Men's Cross Country Rebuilds Quickly

by Tion Dimkauskas

It appeared that 1994 would be a bleak year for the Caltech men's cross country team. After all, the previous year's #1 man and national qualifier, Andy Zug, and #3 man Ned Bowden had been lost to graduation. So, when pre-season practice started on September 6th, there was not a terribly large degree of optimism for moving up in the conference standings.

This attitude changed quickly after seeing the results of the Whittier Invitational on the 10th. There was a new kid in town to take up where Zug had left off. His name is Dan "Gimpboy" Kleiman, and thorough Coach Jim "Safety is not a Concern" O'Brien had been hyping him up during the entire summer, only his race that day was able to prove that he could live up to it. In a field of 183 athletes, Kleiman emerged in 15th, amid a sea of black and orange worn by NAIA powerhouse Azusa Pacific. If you look at only the SCIAC schools (all but Oxy were there), Kleiman's time of 19:50 over the 6k course was only bettered by Matt Newman and Walter Voegtli of Claremont-Mudd-Scripps. There still remained considerable work to be done, as the rest of the top five were spread from 103rd to 139th giving the Beavers a team score of 504 points which yielded 15th place out of the 21 complete teams entered. This was good enough to defeat Whittier (513 points) and Cal-Lutheran (incomplete team) from the SCIAC but left them short of LaVerne (453 points).

September 12th marked the beginning of 2-a-day workouts and brought with it some more talented frosh. At the Westmont Invitational on the 17th, 3 of the top 7 for Tech were frosh. Kleiman (6th place) led the men once again though he and the rest of the lead pack temporarily departed from the course allowing Kevin Sturm of Westmont to stride to victory in 21:21 for the 4 miles. Senior Schuyler Cullen shed seconds from his race time almost as quickly as he had been shedding pounds allowing him to snatch 16th place out of the 56 competitors. Freshmen Mike Davies and Brad Nakatani slipped in to the #3 and #4 position for Tech in 25th and 29th places respectively. Ron "Gumby" Stieger rounded out the top five in 24 minutes flat for 30th place. Once again, the Beavers triumphed over the Poets of Whittier by 28 points. However, for the second straight week, Caltech was edged out by The Master's College, prompting Francisco "The Schmuck" Gutierrez to vow never to get beaten again by a runner from a religious school. Cisco will get a chance to erase his revenge this Saturday at the Caltech Invitational at Lower Arroyo Park.

Only 247 shopping days until Christmas Day. There is a mailing list so that you can pre-order your Xmas gifts now. All are welcome, regardless of previous experience.

Questions? Call Bill or Delores Bing at (213) 684-8694 or x6198.
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Qualified candidates will have a B.S. in a quantitative field such as Computer Science, Engineering, Finance, Mathematics, Operations Research, or Statistics. Good analytical and computer skills (C/Unix preferable) are required. Because so much of the analyst's work involves direct interaction with the firm's clients, strong interpersonal, writing and speaking skills are also important. While a background in finance or economics is helpful, we believe that an analyst with exceptionally strong quantitative skills can come to a deep understanding of the financial markets.

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The Quantitative Research Department will be interviewing on
Campus November 14, 1994

Resumes should be submitted to:

Joan Dolph
Salomon Brothers
Research Department
Seven World Trade Center, 37th Floor
New York, NY 10048
Fax # (212) 783-4615/4616
PAULING

From Page 1

earned his PhD in chemistry in 1925
and joined the Caltech faculty. As
professor of chemistry (from 1931)
he served as chair of the Department
of Chemistry and Chemical Engineer­
ing for 22 years — from 1936 to
1958 — as well as director of the
Gates and Crellin Laboratories of
Chemistry. He left Caltech in 1964
and went on to positions at the Cen­
ter for the Study of Democratic In­
nstitutions in Santa Barbara, at U.C.
San Diego, and at Stanford. He was
named Caltech professor emeritus in
1971, and in 1973 established the
Linus Pauling Institute of Science
and Medicine in Palo Alto.

Pauling won his first Nobel Prize
in 1954 in chemistry for his research
on the nature of the chemical bond
that holds atoms together into mol­
ecules, and its use in understanding
the structure of such complex sub­
stances as proteins and antibodies. In
October 1962 he was awarded the
Nobel Peace Prize for his efforts to
stop the nuclear arms race. Pauling
won numerous other awards includ­
ing the Presidential Medal for Merit
in 1948 and honorary doctorates from
some 45 universities.

During a career that spanned
more than six decades, he published
over 650 scientific papers, about 200
articles on social and political ques­
tions, especially about peace, and
many books, including The Structure
of Line Spectra (with Samuel
Goudsmit); Introduction to Quan­
tum Mechanics (with E. Bright Wil­
som, Jr.); and The Nature of the
Chemical Bond (one of the most
cited scientific books of the twenti­
eth century).

Pauling was married to Ava Helen
Miller in 1923, who passed away in
1981. He is survived by his children,
Linus Pauling, Jr., Peter J. Pauling,
Linda Pauling Kamb, and Crellin
Pauling. He is also survived by 15
grandchildren and 19 great-grandchil­
dren, and his sister Pauline Emmett.

Linus Pauling left several signs of his presence on the Caltech campus, including a statue near Gates and a plaque in the Chem 1 lecture hall.

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Caltech drops in national rankings

by Kenneth Lee

Caltech dropped from fifth to seventh place in America's Best Colleges, the publication of U.S. News & World Report released earlier this week that is considered to be academia's most influential ranking of colleges. Max Benavides, vice-president for institute relations, said that this drop is not necessarily cause for concern because the most significant reason for this drop was a change in the ranking methodology not a drop in the quality of education. According to Benavides, "This year, emphasis was reduced for financial aid resources and spending per student while more emphasis was placed on graduation rate." The change negatively affected Caltech two-fold because Caltech leads other universities in spending per student by about $10,000, but has a relatively low graduation rate.

U.S. News & World Report states that these changes were implemented this year out of practicality because the public now places more emphasis on graduation rate and less on financial resources. Benavides even joked that the changes were made so that there would be a little ranking-shuffling of the top schools because "nobody would buy the College Guide if the rankings were the same every year."

Although these rankings play some role in students' selection of colleges and universities, Benavides maintains that students want a first rate science education and will go to Caltech: "All of the top universities acknowledge that there will always be reshuffling. What matters though is that Caltech is consistently ranked at the top." This drop does not necessarily signify a downward trend in education at Caltech or an upward trend in education at other universities. Caltech students should not be concerned that the quality of their education is diminishing in comparison to other universities.

There was also a slight drop in the sub-categories of academic reputation and alumni satisfaction, and Prof. Aschbacher offered an explanation to concerned students. However, in order to follow this explanation, the ranking methodology as detailed by U.S. News & World Report must be examined: "To arrive at rankings, U.S. News did a reputational survey of college presidents, deans and admissions directors at some 1,400 accredited four-year colleges and universities... asking them to place each school into one of four quartiles based on its reputation. Each time a school was placed in the top quartile, it received four points; in the second quartile, three points (and so on)." The points for each school were totaled and divided by the number of possible points.

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The Adventures of Priscilla, Queen of the Desert

Considering that I've never really found drag queens or disco to be my cup of tea, it's a testament to the power of cinema that I found watching Priscilla to be a great way to spend two hours. This Australian road movie follows a transsexual (Tennis Stamp) and two drag queens (Hugo Weaving and Guy Pearce) as they travel across the desert from Sydney to Alice Springs for a performance at a resort hotel. The mood of the film is retrospective and deadly serious, but there's nothing wrong with advertisers, after all. I give it my highest recommendation. Playing locally at the Radio in South Pasadena.

Eat Drink Man Woman

This new film from Taiwanese director Ang Lee (The Wedding Banquet) has become America's most widely distributed film in Mandarin ever, and it's easy to see why. This is a sumptuous comedy-drama about a great chef (Shuang Lung) in Taipei whose losing his tame buds and struggling along with his three daughters in romance and life. His youngest, Yu-Wen Wang, is a student working at a Wendy's fast food joint who falling in love with her best friend's boyfriend. Chien-Lien Wu plays his second daughter, a yuppie airline executive who could have followed in her father's footsteps as a chef. Perhaps the best performance of the film, and my choice as Best Supporting Actress for this year so far, is Kuei-Mei Yang as his eldest daughter Jen. Jen is a schoolteacher who hasnt gotten over being jilted by her college lover ten years before. When she discovers whos been sending her love letters, Jen wonderfully transforms her anger and desperation into positive, energetic force.

The most captivating thing about this movie is the mouth-watering scenes of food preparation. Lee utilizes his camera (and sound recordist) to an incredible effect, which I'm sure is probably doubling business at nearby Chinese restaurants. The food in this movie is more than a backdrop: it anchors the film in a unifying theme of universal human desires. Eat Drink Man Woman is an incredibly well-crafted, crowd-pleasing, superficially work of art. I give it my highest recommendation. Playing locally at Laemmle's in East Colorado.

Two Cool Shows on the Radio

If you're sick of the same old crap on the radio, try out "Metropolis" on KCRW 89.9 FM, every weekday from 8 to 10 pm, or "Imaginary Landscape" on KPCC 90.7 FM, Tuesday nights for two hours starting around 9:30. Metropolis plays ambient techno, acid jazz, and all sorts of cool atmospheric. The DJ's voice is so low it's almost frightening. Imaginary Landscape basically specializes in weird music. I've heard a tape composition based on "A User's Guide to Zarathustra," something involving a lot of babbling in Dutch, and a song called "I Want a Bad Boyfriend." It's never the same thing, and in contrast to Metropolis, the DJ has a whiny nerdy voice.

Priscilla Caraboo

This is a charming little factoid about the true story of woman (Thabe Cants, from Fast Times at Ridgemont High) who pops up in 19th-century England as a beggar who soon has anyone with any money convinced she's a Javanese princess. Stephen Rea (The Crying Game) is our narrating, an Irish journalist trying to figure out who she really is. Cants is glorious as Caraboo, and though the audience is always suspicious of her true nature, Cates divine into this role so fully that we still keep guessing. Jim Broadbent, Wendy Hughes, John Lithgow, and Cates' real-life husband Kevin Kline form a supporting cast so outstanding that any weaknesses in the script are easily forgiven. Not that there's much to forgive; Princess Caraboo is a very entertaining tale filled with a great attention to setting, costumes, and even makeup. It's very satisfying to watch the elite of society in this film, with their silly attachments to pomp and circumstance, and make fools of themselves. This movie would be great for the whole family and is playing in plenty of local theaters.

A YNEWS

topher Hunter

Welcome (back) to Caltech! For those of you who are entering Fresh, I wish you the best of luck, and for those of you who are returning, I wish us all as little pain as possible. (AM405, wheel!) This is a (hopefully) weekly column which will keep you up to date with all that's going on at the Caltech Y. The Y is an organization on campus dedicated to the improvement of student life, both Graduate and Undergraduate. We're located upstairs in Winner Center. Feel free to drop by any time to visit. We love the company.

The Y offers many services to the Caltech community including: event cosponsorship, discount movie tickets, discount theme park tickets (Universal Studios, Disneyland, Magic Mountain, Sea World, etc.), volunteer opportunities, hiking trips, and Decompression, to name a few. Our student Excomm meets every Monday at noon in the Y lounge, so if you're interested, drop by and find out more about us.

Again, good luck with the year, and we'll see you around!

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AYNEWS

topher Hunter

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Again, good luck with the year, and we'll see you around!
RANKINGS
From Page 7
participants who [actually ranked that particular school]... The results reported in this section were then combined with educational data that had been provided by the colleges themselves. These included statistics that measured (1) student selectivity, (2) faculty resources, (3) financial resources, (4) graduation rates, and (5) alumni satisfaction.

"I've seen the survey that got dis­ tributed, and it's basically just a [non­ scientific] opinion poll... It would be very difficult to measure the quality of teaching in any school. What they end up ranking are the departments... The survey gets passed around in the faculty, and they rate other universities based on the things that they like—the things that are important to them." Achabacher explains that all of the universities that rank in the top ten are research-oriented universities and believes what actually happens is that the faculties rank each other re­ search programs, not necessarily the quality of teaching.

He adds that because Caltech is such a science and engineering ori­ ented school, it gets lower grades from the liberal arts departments from other schools which, unfortunately, count towards the final score for academic reputation. However, this does not accurately reflect the quality of scientific education that one receives at Caltech nor does it affect the overall caliber of the stu­ dents or faculty.

Achabacher firmly believes that Caltech is not losing any ground to other universities. If there is any de­ cline in the overall caliber of students entering Caltech, it is because there is a decline in the caliber of stu­ dents everywhere, probably attrib­ utable to both the decline in the K­12 educational system and a shift in the public’s preference to­ wards professions that have higher earning potential. "These rankings should not be of great concern to stu­ dents... They are not scientific or ob­ jective... Keep in mind to overinterpret such results."

HHMI Exhibit comes to Caltech
From the HHMI Research Labs
An exhibit from the Howard Hug­ her Medical Institute is coming to Caltech in September.

Entitled Advancing the Frontier of Knowledge, the exhibit consists of eight free­standing panels of silk­screened graphics, text and photos that briefly de­ scribe the Institute's programs. The pan­ els depict each of the five areas of research supported by HHMI: cell biology and regulation, genetics, immunology neuro­ science, and structural biology. The Institute's science education efforts are also described.

In addition to the panels, each dis­ play includes a television monitor that plays a 13­minute film, Howard Hughes Medical Institute: A Portrait. In the film, a number of HHMI investigators talk about what it means to be a scientist. The segment of the film about the grants pro­ gram shows elementary school children in Tucson discovering for themselves the excitement of science.

Intended for display at the univer­ sities and other research institutions with which the Institute collaborates, the ex­ hibit will be on display in the library in the Kendrick Building from September 19­30.

CLASSIFIED ADS
FOR RENT-
LA CABAÑA FLINTBROOK GUEST HOUSE
Newly remodeled one bedroom with full bath guest house located in an exclusive Flintbrook area. Tropical resort setting with covered pool and patio. Approximately 1,000 square foot living area. Ideal for qualified individual who enjoys privacy. Asking $1,200 per month. Includes utilities. For more information, please call (714) 962­9035.

FOR SALE—
OAK DESK—Old, sturdy, anxious. Few drawers. $10, you pick up, $20, we deliver. Call Mary (818) 700­8035 or come see at 873 Manzanita Ave., Pasadena.

MAKE OFFERS with your laser printer. Fast! Easy! Economical! Call (805) 251­7766.

HELP WANTED—
P A R T­TIME H O M E W O R K M O N I T O R wanted for private tutoring service. English and social science shifts a day. Monday through Friday, 3­5 p.m., $40/month. Call Carol (818) 700­1082.

PROGRAMMER NEEDED—Hourly part­time job. Experienced in multi­media applications, Windows, Macintosh, Toolbook, animation. Visual C++, 5 years of experience. Send resume to PC Box 4307, Santa Clara 95054­4307 or fax to (408) 353­5388.

SERVICES
N A K E D I N F O R M A T I O N—If you want to be listed on the directory, send your requirements to the director at the address below. We do not charge for business. Send written ad with payment to 40­58 Deadline is 6 p.m. Monday before issue. No charge for on campus last four.

"Unfortunately, the current rankings were not necessarily the quality of teaching. What they end up ranking are the departments. The survey gets passed around in the faculty, and they rate other universities based on the things that they like—the things that are important to them." Achabacher explains that all of the universities that rank in the top ten are research-oriented universities and believes what actually happens is that the faculties rank each other research programs, not necessarily the quality of teaching.

He adds that because Caltech is such a science and engineering oriented school, it gets lower grades from the liberal arts departments from other schools which, unfortunately, count towards the final score for academic reputation. However, this does not accurately reflect the quality of scientific education that one receives at Caltech nor does it affect the overall caliber of the students or faculty. Achabacher firmly believes that Caltech is not losing any ground to other universities. If there is any decline in the overall caliber of students entering Caltech, it is because there is a decline in the caliber of students everywhere, probably attributable to both the decline in the K-12 educational system and a shift in the public’s preference towards professions that have higher earning potential. “These rankings should not be of great concern to students... They are not scientific or objective... Keep in mind to overinterpret such results.”
Event and Notices

Tuesday, September 23
the Night!! This march
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brief paragraph describing why they're proud
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and Chamber Music will be held
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on the 26th at 5 p.m. in Beckman Au­
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Society will be held on Sunday, October 2,
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The 4th Annual Free Information Fair and
join the women and friends of the
Women's Glee Club is having sign-ups and voice
placement this Sunday from
12-5. For the Glee Club, all are welcome to join

What do you feel is the underlying message of the document, and how does it relate to the broader context or community of Caltech? The document is a comprehensive list of events, opportunities, and announcements relevant to the Caltech community. The events range from academic competitions and research opportunities to social gatherings and cultural activities. The document highlights the diverse range of activities available at Caltech, from academic competitions to social events, reflecting the vibrant and active community at the institution. The message is one of inclusivity and opportunity, encouraging students and faculty to engage in various activities and take advantage of the opportunities provided by the university. This is particularly relevant in the current context of higher education, where community engagement and participation are crucial for student success and overall well-being.