Caltech Interhouse 1986

The Festivities: p. 2  □  Interhouse Violence: p. 3
Just organize a meeting like blues, and we've traditionally had semi-mainstream saw all danceable. I worked on the Enterprise — I papier-mached Enterprise vs. Chernobyl? I wanted to do something a little junior Sam Weaver, Ricketts, it," Milios think the basic idea is that Reagan's SOI program i halle.

Warning: Jungle, 30 feet. More jungle, 40 feet. Well, actually, jungle throughout Page House. Watch out for the monsters!

"It's Monday, and we've already got people building Interhouse."

"Interhouse is not a money-making event," Bowers said. "We break admission."

"Despite the cost of building the ride, Page does not charge"

"Interhouse generally provides diversion in both construction and appreciation stages."

"It's a lot of fun," freshman Erik Staats said. "I saw all the South Houses and it's pretty amazing what they've done."

"I think the basic idea is that Reagan's SDI program covertly diverted money to NBC executives to bribe them to force the Enterprise to destroy Chernobyl and cause a nuclear disaster in Russia," senior Dan Harrigan said. "This was, of course, to improve the public image of the U.S. and destroy the public opinion of Russia. I'm sure that's not the only excuse you'll hear if you wander around here for a while tonight, but that's the one I like best."

"Although Dubney takes Interhouse less seriously than some of the other houses, the Darbs still put in a substantial amount of work."

"I worked on the Enterprise — I papier-machéed about half a layer of it," freshman Elaine Lindell said. "It was great — get all nice and gooey. People were throwing papier-maché stuff all over the place."

"I thought the Enterprise vs. Chernobyl? which killed half of it."

"It's a castle wall, complete with working drawbridge and fourteen feet flames from the dragon's mouth," Mike Kilby, class of '83, said. "I punted two balls. I didn't come back to work on Interhouse, I came back to see Interhouse and visit friends."

"Ricketts flooded the Nile."

"They're actually real hieroglyphs," senior Bengt Vasquez, the director of the play, said. "And since last year Harvey Streifer built walls, a stage and two curtains."

"The play always goes more or less off of things that have happened," Ken Gant, class of '83, said. "You just adapt the year's events to the year's theme and make it 'lauder and funnier.'"

"We really started all the push on Thursday day before the party."

"The reason Page has a ride every year is that it's the house's idea of a special attraction, that no other house has, to bring them to our party as opposed to everyone else's," senior John Beck said. "Once upperclassmen and the RA's lend their expertise."

"The play generally provides diversion in both construction and appreciation stages.

"It's a lot of fun," freshman Erik Staats said. "I saw all the South Houses and it's pretty amazing what they've done."

"In a strange but workable combination of Mad Max and a fantastic space adventure (rivaling Dubney's Star Trek vs. Chernobyl?), Lloyd put together an atmosphere of barbarian high technology. A cardboard-covered golf cart running down Tropicalley became a space shuttle from the real world into the Inner City.

"We generally do something with this hall," sophomore Garrett Choi said. "Last year we had a bookstore and stuff like that."

"The coordinator of Lloyd's Interhouse, freshman Ben Funk, disclaimed responsibility for the theme.

"The house decides on the theme really — it's a vote," Funk said. "I just organized a meeting and we put out ideas, and the house votes on the idea they like most."

"Although most other houses have upperclassmen run Interhouse, Lloyd generally assigns the job to freshmen."

"It's a fresh job, and I was the only one who was willing to do it," Funk said about becoming coordinator. "No one else was stupid enough, that means. It's not the easiest job in the world."

"Some upperclassmen, however, retain their enthusiasm about the work, "I volunteered," Choi said. "You've got to volunteer for things like this. This is awesome."

"It's a castle wall, complete with working drawbridge and fourteen feet flames from the dragon's mouth."

"Blacker: "I got de blues, de blues of Chicago...""

"Ruddock: "I'm sure that's not the only excuse you'll hear if you wander around here for a while tonight, but that's the one I like best."

"Although Dubney takes Interhouse less seriously than some of the other houses, the Darbs still put in a substantial amount of work."

"I worked on the Enterprise — I papier-machéed about half a layer of it," freshman Elaine Lindell said. "It was great — get all nice and gooey. People were throwing papier-maché stuff all over the place."

"The play always goes more or less off of things that have happened," Ken Gant, class of '83, said. "You just adapt the year's events to the year's theme and make it 'lauder and funnier.'"

"Building, however, requires more work."

"It's a castle wall, complete with working drawbridge and fourteen feet flames from the dragon's mouth. Mike Kilby, class of '83, said. "I punted two balls. I didn't come back to work on Interhouse, I came back to see Interhouse and visit friends."

"They're actually real hieroglyphs," senior Bengt Vasquez, the director of the play, said. "And since last year Harvey Streifer built walls, a stage and two curtains."

"The play always goes more or less off of things that have happened," Ken Gant, class of '83, said. "You just adapt the year's events to the year's theme and make it 'lauder and funnier.'"

"Building, however, requires more work."

"It's a castle wall, complete with working drawbridge and fourteen feet flames from the dragon's mouth. Mike Kilby, class of '83, said. "I punted two balls. I didn't come back to work on Interhouse, I came back to see Interhouse and visit friends."

"Blacker: "I got de blues, de blues of Chicago...""

"Ruddock: "I'm sure that's not the only excuse you'll hear if you wander around here for a while tonight, but that's the one I like best."

"Although Dubney takes Interhouse less seriously than some of the other houses, the Darbs still put in a substantial amount of work."

"I worked on the Enterprise — I papier-machéed about half a layer of it," freshman Elaine Lindell said. "It was great — get all nice and gooey. People were throwing papier-maché stuff all over the place."

"The play always goes more or less off of things that have happened," Ken Gant, class of '83, said. "You just adapt the year's events to the year's theme and make it 'lauder and funnier.'"

"Building, however, requires more work."

"It's a castle wall, complete with working drawbridge and fourteen feet flames from the dragon's mouth. Mike Kilby, class of '83, said. "I punted two balls. I didn't come back to work on Interhouse, I came back to see Interhouse and visit friends."

"Blacker: "I got de blues, de blues of Chicago..." I'm sure that's not the only excuse you'll hear if you wander around here for a while tonight, but that's the one I like best."

"Although Dubney takes Interhouse less seriously than some of the other houses, the Darbs still put in a substantial amount of work."

"I worked on the Enterprise — I papier-machéed about half a layer of it," freshman Elaine Lindell said. "It was great — get all nice and gooey. People were throwing papier-maché stuff all over the place."

"The play always goes more or less off of things that have happened," Ken Gant, class of '83, said. "You just adapt the year's events to the year's theme and make it 'lauder and funnier.'"

"Building, however, requires more work."

"It's a castle wall, complete with working drawbridge and fourteen feet flames from the dragon's mouth. Mike Kilby, class of '83, said. "I punted two balls. I didn't come back to work on Interhouse, I came back to see Interhouse and visit friends."

"Blacker: "I got de blues, de blues of Chicago...""
Students Assaulted
Violence Mars Interhouse

by Jennifer Low

The most violent Interhouse party in Caltech history forced three undergrads to visit the Huntington Memorial Hospital. Robert Maher, Konstantin Othmer and Clark Highstrete were assaulted during the events of Saturday night.

Security reports that the first fight began around 11:30 p.m. in the Lloyd House courtyard. Maher and his visitors, "We were attacked by Chris Breen- nen, involved Caltech students and persons outside the Caltech Com- munity. Jay Geielen asked the party to disperse and Caltech Securi- ty escorted the non-Techers off campus.

Within the next half hour Page freshman Robert Maher was at- tacked from behind and stabbed twice in the back. Maher had just left the Page House party and was on his way to his room. Maher had to enter his room through his win- dow because of the water walk. Maher was knocked uncon- scious between the Page cour- tyard and Winner Center. There was no witnesses.

Maher noticed the wounds, two in the back and one at the scalp, while taking a shower. He and his roommate walked down to the Health Center and finding it clos- ed, returned to the MOSH Office. There, Bernie Santansiero called the paramedics. Bernie and Cheryl Schmitt (Page R.A.) accompanied Maher to the Huntington Hospital. It is not clear as to whether the same individuals that were in Lloyd House earlier were also responsi- ble for the incidents that occurred later.

Tension

After the incident, Cheryl Schmitt recalls there was a tension in Page House for a few hours. Lloyd House cancelled their ride following these incidents although Page House did not.

Security spent two hours after 11:30 warding off the "undesirable visitors," said Chris Brennen. At this point, Caltech Security tried to keep order on Caltech campus while Pasadena City Police patrolled the outside areas. Brennen remembers that there may have been as many as four or five police units around campus.

One in Lloyd House suffered a cut on his head and another wound on his arm. One in Lloyd House was removed a tooth and split his lip.

One in Lloyd House suffered a cut on his head and another wound on his arm. One in Lloyd House was removed a tooth and split his lip.

The submillimeter-wave telescope will be used to study the formation of the Milky Way, distant galaxies, and the "stellar nurseries" in space where stars are born, will be dedication of the Submillimeter Observatory at Caltech on Saturday, November 22, by of- cials of Caltech, the National Science Foundation, and the University of Hawaii. The Caltech Submillimeter Observatory is expected to make major contributions to the understanding of the life cy- cle of stars and the evolution of galaxies.

Dedication ceremonies for the telescope will be held at the obser- vatory site, 14,000 feet above sea level on Mauna Kea, Hawaii. The first public dedication ceremony will include addresses by Caltech President Marvin L. Goldberger and observatory direc- tor Thomas G. Phillips, professor of physics. Also attending will be representatives of the National Science Foundation, which provid- ed primary funding for the project, and officials of the University of Hawaii, which has leased the Mauna Kea site to Caltech.

Funds for the observatory will also be provided by the Telescope Foun- dation of Troy, Michigan, Francis L. Moseley of Flintridge, Califor- nia, Prince Charitable Trusts of Chicago, and NASA.

Submillimeter and millimeter waves are emitted by such chemical compounds as in space as clouds and prevents astronomers to begin new explora- tions of the center of the Milky Way, distant galaxies, and the "stellar nurseries" in space where stars are born. We believe it is possible for much of the violence that accompanied the Page House party to disperse and Caltech Security fending off troublemakers, according to Bren- nen. "We were called. Amy Calloway (Rud- der) accompanied him to Huntington.

Clark Highstrete (Fleming, sophomore) was walking his girlfriend to her car on San Pasqual around 12:30. A young man was seen appeared to be "something" ap- proached the couple and made gestures indicating that he was a suspect. Clark demurred and receiv- ed a punch in the mouth, which removed a tooth and split his lip. Clark’s assault ran off and Clark also made a trip to Huntington.

Trespassing problems occurred until 2AM, according to Caltech and Security fending off troublemakers, according to Brennen. "We were called. Amy Calloway (Rudder) accompanied him to Huntington.

Clark Highstrete (Fleming, sophomore) was walking his girlfriend to her car on San Pasqual around 12:30. A young man was seen appeared to be "something" approached the couple and made gestures indicating that he was a suspect. Clark demurred and receiv- ed a punch in the mouth, which removed a tooth and split his lip. Clark’s assault ran off and Clark also made a trip to Huntington.

Trespassing problems occurred until 2AM, according to Caltech and Security fending off troublemakers, according to Brennen. "We were called. Amy Calloway (Rudder) accompanied him to Huntington.

Clark Highstrete (Fleming, sophomore) was walking his girlfriend to her car on San Pasqual around 12:30. A young man was seen appeared to be "something" approached the couple and made gestures indicating that he was a suspect. Clark demurred and receiv- ed a punch in the mouth, which removed a tooth and split his lip. Clark’s assault ran off and Clark also made a trip to Huntington.

Trespassing problems occurred until 2AM, according to Caltech and Security fending off troublemakers, according to Brennen. "We were called. Amy Calloway (Rudder) accompanied him to Huntington.

Clark Highstrete (Fleming, sophomore) was walking his girlfriend to her car on San Pasqual around 12:30. A young man was seen appeared to be "something" approached the couple and made gestures indicating that he was a suspect. Clark demurred and receiv- ed a punch in the mouth, which removed a tooth and split his lip. Clark’s assault ran off and Clark also made a trip to Huntington.

Trespassing problems occurred until 2AM, according to Caltech and Security fending off troublemakers, according to Brennen. "We were called. Amy Calloway (Rudder) accompanied him to Huntington.

Clark Highstrete (Fleming, sophomore) was walking his girlfriend to her car on San Pasqual around 12:30. A young man was seen appeared to be "something" approached the couple and made gestures indicating that he was a suspect. Clark demurred and receiv- ed a punch in the mouth, which removed a tooth and split his lip. Clark’s assault ran off and Clark also made a trip to Huntington.

Trespassing problems occurred until 2AM, according to Caltech and Security fending off troublemakers, according to Brennen. "We were called. Amy Calloway (Rudder) accompanied him to Huntington.
Clothes Needed

To the Editors:

I am writing a few lines in case you can see if you help me. I am poor and live day by day. Wondering if you have any used clothing or household items. I have a girl 7 years old. She goes to school and needs clean clothes to wear to school. She’s been in a sickly kid for a while, and I am 4 months pregnant. I need baby clothes. Here 7 years old girl size: 4 years old: 6 pairs, blouse 6, shoes 12. Husband: pants 38 29, shirts 170 or large, shoes 10. [For me] dress 18, pants 18, shoes 7%. A few dollars would be appreciated. What we can’t wear we will give to someone else.

Sincerely,
Edith Caldwell
H.O. Box 320
Hilton, KY 40640

Truth Distorted

Manesh Jain’s article in the last Tech is a paragon of how skillful the use of language can distort the truth, so much so that it can give the impression very opposite of what it really means. Mr. Jain, with poor word choice and at worst, lack of clarity, has described the Pakistani and Indian governments as “mutually suspicious governments.” On the contrary, the facts indicate that this is not the case. Pakistan’s government has been making a very solemn effort to improve its relations with India. To quote the President of Pakistan directly, “Pakistan’s policy of normalization with India has no sense of humanity and no respect for the opinion of the Pakistani and Indian governments.”

To the Editors:

Pakistani and Indian governments as two “mutually suspicious governments” is ridiculous in two ways. First, AWACS was described by the Pakistani and Indian governments as the “best interest of both the nations.” The first batch of SEDS was created on the MIT and Princeton University campuses in 1980, and I encourage interested individuals to join us in our chapter here.

SEDSS Chapter activities include regular presentations, films and discussions on past, present and future activities in space exploration and development. Trips to JPL, Mount Palomar and Edwards Air Force Base (to watch the shuttle landings) may be planned, and a campus delegation to attend the SEDS International Conference will be put together for our participation there in Boston, MA, this coming July.

“Half-Truths

I am pleased to announce that the American Astronautical Society, the Space Studies Institute and the American Pen-Pal Society have created an SEDS Chapter on our campus. A selection of SEDS members will be put together for our participation there in Boston, MA, this coming July.

It would like to correspond with some students interested in the same course of study as mine or in similar ones.

Greg Susca
Painting and Wallcovering
Interior and Exterior
(818) 249-5646
License #456757
Special discounts to Caltech community

REWARD

SERVGOR

Model Re 511 Recorder

A reward is being offered to use or purchase this type of strip or potentiometric recorder manufactured in the late 1960's or early 1970's by Goerz Electro. Claimants or those seeking further information should contact William Propp at (213) 489-4442.

IBM XT CLONE $889

PRICE INCLUDES: 2 Floppies, Monochrome Monitor
640K RAM, MS-DOS 3.2, SW Basic

LEADING EDGE MODEL "D"

2 Floppies $1090
1 Floppy 200mb $1495
1 Floppy 360mb $1995

IBM AT Compatible
68MHz CPU Speed
CALL

IBM 486 Compatible
68MHz CPU Speed
CALL

Texas P212
$499.99
Citizen 32
$949.99
Citizen 42
$1199.99
LeaderTec 1200
$139.99

PC SYSTEM DESIGN CORPORATION

visit our new location!
Kinko’s Glendale
441 N. Brand Blvd. Glendale
(818) 500-1811
NOW OPEN!
(Not before 24 hours)

SPECIAL DISCOUNTS

OPEN 24 Hours SEVEN DAYS A WEEK

kinko’s copies

Kinko’s
827 E. Colorado Blvd. Pasadena
(818) 793-6336

Copied beyond belief from state-of-the-art Xerox copiers for great-looking flyers, newsletters, brochures, theses, reports, and resumes. Print quality and incredible speed at prices that will astound you!

kinko’s

Half-Truths

Two weeks ago Hasok Chang and Jens Peter Alffe wrote in response to what I had written. I think their points misstate a few points that I made, but I really respect their opinions. But joking aside, the first thing I saw, in BIG LETTERS, was “I don’t see why calling President Reagan ‘un-American’ is anti-American.” No no no, I had used the word “anti-American,” which is much more serious. Name-calling words like “un-American” and “anti-American” don’t mean much. I had used “anti-American,” and I backed it up by quoting Dr. Bier’s negative (destructive) views on the American President, American press, American culture, American literature and American foreign policies. This is not Marxism (which contradicts American ideals.) Note also that in Mr. Alffe’s letter, I was directly misquoted. I supposedly disproved of Dr. Bier’s “un-Americanism.” Hasok also said that, according to me, “criticizing the very system that gives the right to criticize does injustice to the system.” The quote is correct but incomplete. My major complaint against people like Bier and Alffe isn’t that they criticize, but that they use loud speakers when criticizing the U.S., but don’t even whisper when it comes to criticizing the really bad governments.

Some people will pull the Soviets up to the level of the U.S., and sometimes they push the U.S. down to the level of the Soviets (as Dr. Bier did, with despicable contempt for communists in the White House.) But even if they think the U.S. is in such bad shape, why do they have to compare the U.S. to the Soviets when the two countries are morally incomparable? I think the Alffe’s letter, he seems to think that I won’t defend the rights of those whom I disagree with. He also says that I never explicitly mentioned, but that I mean to say about the Soviets want to, outlaw “improper” actions. He is absolutely correct in one sense, because I would never defend a Nazi’s right on moral grounds, and I don’t think he would either. I would acknowledge their legal right to march (as the courts did.) Afterall, how can you legally distinguish a Nazi marching with a sign reading “Jews go back into the oven” from a Boy Scout helping an old lady across the street? The law doesn’t (and shouldn’t) make such moral distinctions, and that’s why people should think the U.S. is in such a bad state.

I think that I was a bit am­ biguous in what I meant by “moral” and “immoral.” Something “im­ moral” harms people, something “moral” helps people, and something “amoral” doesn’t do anything. A moral action would be to help an old lady cross the street. An amoral action would be watch­ing TV all day. And immoral would describe communists and fascists.

Morality shouldn’t be confused with holiness. For example, homosexuality is usually legal (with the nearest clergyman, not me.) But they aren’t immoral, because combating homosexuality continues on page 6

PC SYSTEM DESIGN CORPORATION

visit our new location!
Kinko’s Glendale
441 N. Brand Blvd. Glendale
(818) 500-1811
NOW OPEN!
(Not before 24 hours)

SPECIAL DISCOUNTS

OPEN 24 Hours SEVEN DAYS A WEEK

kinko’s copies

Kinko’s
827 E. Colorado Blvd. Pasadena
(818) 793-6336

Copied beyond belief from state-of-the-art Xerox copiers for great-looking flyers, newsletters, brochures, theses, reports, and resumes. Print quality and incredible speed at prices that will astound you!

kinko’s

Half-Truths

Two weeks ago Hasok Chang and Jens Peter Alffe wrote in response to what I had written. I think their points misstate a few points that I made, but I really respect their opinions. But joking aside, the first thing I saw, in BIG LETTERS, was “I don’t see why calling President Reagan ‘un-American’ is anti-American.” No no no, I had used the word “anti-American,” which is much more serious. Name-calling words like “un-American” and “anti-American” don’t mean much. I had used “anti-American,” and I backed it up by quoting Dr. Bier’s negative (destructive) views on the American President, American press, American culture, American literature and American foreign policies. This is not Marxism (which contradicts American ideals.) Note also that in Mr. Alffe’s letter, I was directly misquoted. I supposedly disproved of Dr. Bier’s “un-Americanism.” Hasok also said that, according to me, “criticizing the very system that gives the right to criticize does injustice to the system.” The quote is correct but incomplete. My major complaint against people like Bier and Alffe isn’t that they criticize, but that they use loud speakers when criticizing the U.S., but don’t even whisper when it comes to criticizing the really bad governments.

Some people will pull the Soviets up to the level of the U.S., and sometimes they push the U.S. down to the level of the Soviets (as Dr. Bier did, with despicable contempt for communists in the White House.) But even if they think the U.S. is in such bad shape, why do they have to compare the U.S. to the Soviets when the two countries are morally incomparable? I think the Alffe’s letter, he seems to think that I won’t defend the rights of those whom I disagree with. He also says that I never explicitly mentioned, but that I mean to say about the Soviets want to, outlaw “improper” actions. He is absolutely correct in one sense, because I would never defend a Nazi’s right on moral grounds, and I don’t think he would either. I would acknowledge their legal right to march (as the courts did.) Afterall, how can you legally distinguish a Nazi marching with a sign reading “Jews go back into the oven” from a Boy Scout helping an old lady across the street? The law doesn’t (and shouldn’t) make such moral distinctions, and that’s why people should think the U.S. is in such a bad state.

I think that I was a bit am­ biguous in what I meant by “moral” and “immoral.” Something “im­ moral” harms people, something “moral” helps people, and something “amoral” doesn’t do anything. A moral action would be to help an old lady cross the street. An amoral action would be watch­ing TV all day. And immoral would describe communists and fascists.

Morality shouldn’t be confused with holiness. For example, homosexuality is usually legal (with the nearest clergyman, not me.) But they aren’t immoral, because combating homosexuality continues on page 6
by Bengt Magnusson

Last Friday I attended a preview of the upcoming exhibition, "Columbia before Columbus," at the Bowers Museum. Most people invited to the preview were, of course, the major money donors, but then there were a few of us "media people." I guess I felt a little like a cat among theermine, but I had a lot of fun just watching this sub-species of homo sapiens, homo richus (with seven-digit annual incomes) and how its members behave.

Especially amazing were the things rich people would dress up in—that was an exhibition all in itself. Together with the plastic surgery and the way people tried to be seen by others, ignoring the art they supposedly came for, I realized that the world of fashion isn't that far away after all.

I digress. I was there for the art, and that's what I'll talk about. Bowers Museum is largely devoted to showing art of historical and/or ethnographic interest, and their newest show is about Colombian pottery before the European rediscovery of America. The pieces on display range in age from about 500 years old to almost 3000 years old.

It is interesting to see how much change took place in art, how clearly it sets itself apart from other cultures. Just as it is fairly easy to recognize a piece of African art as being from Africa, it is, after seeing this show, equally easy to identify the more typical Colombian artworks. Even the oldest of the pieces have several features in common with the newer ones.

Many of the objects show the kind of practical artistry one often sees in African pieces: ordinary household items are decorated and embellished until they become just as much objects of art as practical objects. Burial urns, amorphas, bottles, boxes and flutes are just some examples. Some have abstract geometrical patterns that were cut into the soft clay before burning, others have human figures. Sometimes both occur: human figures with patterns on their bodies, the patterns representing body tattoos.

Most of the time the sculpting is minimalistic, the artist only indicating the features he considered important. In a few instances, though, the artist seemed to go overboard: incredibly complex, sculpting even on the inside and the bottom of vessels. In those cases, the objects were probably used for ceremonial purposes. The objects were seldom painted, it seems, even when the artist seemed to estimate how well potential coloring would survive being buried in the dirt for more than 500 years. Some of them do show colors other than the red-brown color of the ceramics, though; mostly red, black, and some white. (The same color patterns seem common to all known human societies: black and white are known to all cultures. Then comes red, blue, yellow, and green. Blue never occurs before red—if a society uses blue, they also use red.)

One special kind of sculpture that must be mentioned is the so-called "slab-figure." They are statues (of no practical purpose) of humans, with extremely simplified features. The body and head are made out of roughly rectangular, thin slabs of clay. The artist indicates eyes and mouth with only narrow slits, but compensates by giving the figure a prominent nose. Despite this simplification, you can immediately tell that it is a human face that is modeled. The figures radiate a kind of robust power not found in many works of art, and I would not hesitate to rule these "slab figures" as best in show.

"Columbia before Columbus" is the first exhibition in the U.S. to show in any great amount the ceramic artistry of the Indians in northern South America. The Bowers Museum also has a large permanent collection of various items, including some good African works. The museum is located at 2000 N. Main St. in Santa Ana, just a few blocks off the Main exit from the 1-5.

Leakey’s Fossil Finds

by Astrid Golomb

Last Monday night, November 10, Richard Leakey—fossil finder extraordinare—spoke to a capacity crowd in Beckman Auditorium, introducing astonishing material recently found in the African Rift Valley. The Alan O’Brian Memorial Lecture was given in memory of the first president of the Caltech-based Leakey Foundation.

The most remarkable things discussed in this amazing talk were the idea that man has not yet diverged from the apes, that Homo erectus and Homo sapiens should not be classified as different species, and that the Australopithecines are not ancestral to man, nor even ancestral to each other, but rather constitute separate and contemporary populations. Leakey also discussed five new fossil finds: a Homo sapiens from Elsi Springs west of Lake Turkana dated to 130,000 years; an almost complete procenual skeleton; a new, less-familial Miocene ape of which two specimens have been found, one at a site called Lake Bunder and the other west of Lake Turkana near a main road; the Black Skull, found by Alan Walker, an Australopithecine bovid skull just over 2.5 million years old which looks similar to a 1.5 million year old specimen of the same type and almost identical to the back half of the famous “Lucy” skull, thereby causing doubt as to whether the front and back of that famous fossil skull indeed came from the same head; and lastly, the twelve year old boy Homo erectus dating from 1.6 million years ago, which is clearly a human skeleton and stands 5'9’.

Richard Leakey was born in Kenya and raised as an African. He has excavated at sites east and west of Lake Turkana, in the Omo Valley at Lake Natron and on the Bongo River. In his autobiography, One Life, we learn that when he was a kid he was often offered in a snare he had set to catch a cheetah. His medical history is as remarkable as his professional one. He has had blood poisoning, malaria, pulmonary, been bitten by a puff adder and had a kidney transplant. He is director of the National Museum of Kenya, a fellow of the Royal Anthropological Institute and of the American Association for the Advancement of Science. He has two honorary doctorates and probably a high school diploma. He is a co-author with Alan Walker of Origins, People of the Lake, and The Making of Mankind.

Mr. Leakey is said he is often told by people that they are amazed there are so few fossils. He replies that he is more surprised that there are any fossils than that there are so few. "People forget that to become a fossil is a very difficult thing." Before a bone can become a fossil, it must first escape predation and mingle surface conditions, surviving long enough to be buried in the soil, where, provided the soil is not too acid, it may reside for many years. Then, to be discovered, someone must make it to the surface and be found within a few years, before wind and weather turn it back into dust. This is improbable an occurrence that it is amazing any fossils have been found.

It used to be conventional wisdom that all the proto-hominid bones would fill a dinner room table. Leakey claims that now the table would have to be larger than any he has ever seen. Now we have several almost complete skeletons, as well as skulls, jaws, and bits from more than 1,000 individuals. Despite this conglomeration, we still lack a complete picture. Variation within the species makes drawing generalizations even more difficult, although modern humans have a fairly good representation. But we believe our fossil ancestors were.
The Outside World

The Outside World is a weekly forum for the presentation of international news and commentary. The opinions expressed in The Outside World are solely those of the authors and do not necessarily reflect those of the Editors.

The Outside World welcomes any informed contributions from readers. If you're interested in becoming a regular writer, please contact Hasok Chang at mail-code 1-59, phone 792-2659.

The current writers for the Outside World are (in alphabetical order):
1. Huy Cao
2. Harkan Chang
3. Manesh Jain
4. Presh Murti
5. Kevin Nelson
6. Neil Rachel
7. Satharai Africa, South America

Moderates Retain Power in Brazilian Elections

by Kevin Nelson

In legislative and gubernatorial elections on Monday, Brazilian voters gave a major victory to the centrist ruling coalition of President Sarney. Opponents candidates both on the left and the right did poorly, with the ruling parties being helped greatly by the economic expansion and improvement that have taken place under Sarney. The elections are a consolidation of democracy in Brazil, which was never fully established until last year when a civilian president was elected after twenty years of military rule.

Brazil's government is very possibly more democratic now than at any other time in its history, since even before the 1964 military takeover large numbers of people were prohibited from voting and most power was usually concentrated in the hands of relatively small economic and social elites. Under the last civilian government, which politically leaned toward the left, a number of reforms were made, such as greater recognition of unions, which threatened a variety of powerful interests. Since economic problems had also alienated the general population from the government, the military was able to take over and maintain control fairly easily. The military regime that then ruled for two decades was at first successful in its efforts to reduce corruption and produce economic growth, but it also created more disparity in the distribution of wealth, and in its later years the economy stagnated. Under the present civilian government, the disparity in wealth—which is such that one state, Sao Paulo, enjoys an almost European standard of living, while some other areas are economically comparable to Africa—is fortunately being reduced, and the prospects appear fairly good for continued economic development and political democracy.

Nuclear Technician Vanunu in Israel

by Hasok Chang

Israel admitted that nuclear technician Mordechai Vanunu is "under lawful detention in Israel." On November 9th, he had disappeared on September 30th, after telling information about the secret Israeli nuclear weapons project to the Sunday Times of London (see last week's article). No comment was made about how he got to Israel; one senior official only remarked, "You didn't think he was still in London, did you?"

Two reasons were cited for the release of information about Vanunu. First of all, the whole affair will eventually be made public when he stands trial. In addition, Israeli officials claim they came out with the statement "primarily to protect Mrs. Thatcher." There has been a widespread rumor that the former prime minister had contact with British Prime Minister Thatcher to arrange the abduction of Vanunu on British soil.

"SOURCE: THE NEW YORK TIMES"

Rights in the Soviet Union

by Huy Cao

According to a report by the U.S. Helsinki Watch Committee, a private group monitoring compliance with the 1975 Helsinki Accords, the Soviet Union and other Eastern Bloc countries are systematically violating the Accords. The watch groups' evaluation is based on such categories as freedom of movement, religion, and expression which were agreed to in 1975.

The Soviets countered by charging the United States with violations of fundamental human rights of a systematic and massive nature. Examples were unemployment and homelessness.

One of the major charges of rights restrictions has been that of the Soviet's emigration policies. To clarify their rules for emigration, the Soviet Union published, for the first time, acceptable grounds for both acceptance and denial of applications. Their decree listed acceptable reasons to emigrate such as "remarriage with members of one's family." It listed reasons for denial, among them familiarity with state secrets and "insuring the protection of social order, health or the morals of the population."

Soviet citizens long believed that the new resolution doesn't substantially change existing conditions.

It seems that under Gorbachev, there has been a greater chance for expression of opinions. Gorbachev has said that "Without glasnost [openness] there is little, and there cannot be democracy."

Previously suppressed books and films are being published, and statistics which show poor figures on grain harvests and child mortality have also been published. Even McDonald's (a capitalist venture) have received glowing praise which suggests that McDonald's cleanliness and efficiency should be emulated by Soviet workers.

But pessimistic doubters compare this with the openness during Khrushchev's 1960's which ended when he stands trial.

"SOURCE: THE NEW YORK TIMES"

Prayer Questionnaire

Grads and Undergrads, do you think Invocation and Benediction are appropriate parts of the commencement ceremony? Let John Beck, the senior class president, know how you feel.

Voice your opinion here:

LETTERS

from page 4

doesn't harm anybody. Saying four-letter words isn't immoral, therefore..."

The same line, I found his frequent use of "proper" and "improper," supposedly characterizing my judgments, to be strange, since I use the words.

Other than that, I won't counter many of the things Mr. Alfie said since we might have been thinking of "morality" from different perspectives.

Finally, I sincerely appreciate Mr. Alfie's concern that I will play into their hands, the hands of those who want to legalize what is "improper." I appreciate his concern for people "who think like Guy Cao," really do. But in fact, I think it'd be fantastic if all laws were scrapped and replaced with morality. If everyone were decent, one rule would govern everyone: "No member of the earth shall take unfair advantage of any other member."

Guy Cao

speaking for himself

WHO ELSE?
If you are in the top 10% of your graduating class and have academic credentials to brag about (great GPA, high school valedictorian, National Merit recognition, et cetera), then you should talk to Oracle about joining the best. Oracle is the fastest-growing software company in the United States and the creators of ORACLE, the number-one Relational DBMS that has been chosen over IBM and DEC by users polled in the Software News Users Survey.

Last year I hired over 50 of the top graduates from the finest schools. This year I am looking for even more graduates for every area of Oracle, including: Development, Sales, Support, Marketing, Consulting, Finance, and International.

If you want to discuss opportunities at Oracle, sign up for an interview or call directly (be sure and leave a message if I am unavailable). We will be interviewing at Caltech on December 11 and 12.

Larry Lynn
Director of Recruiting
Oracle Corporation
20 Davis Drive
Belmont, California 94002
(415) 598–8183

A career at Oracle Corporation will give you:

- **Exceptional Compensation**
  We pay exceptional salaries for exceptional employees. We offer complete medical/dental/life coverage, and flexible hours, and every employee, through our stock option program, has equity in the company.

- **Fascinating and Challenging Work**
  We need to staff development, marketing, and support positions to work on projects in distributed database, interactive graphics, and networking of heterogenous computers, to name a few.

- **Exposure to the latest and most advanced technology**
  We already offer products on Suns, Apollos, MicroVAXes, and almost every IBM machine including personal computers and the RT PC. Today we are developing products using technology that is not yet in the marketplace.

- **A superior work environment**
  Oracle is headquartered in a new building in the rolling hills overlooking the beautiful San Francisco Bay. Additionally, we have offices in most major cities in North America, and subsidiaries in all major markets worldwide.

- **A superb group of peers**
  Company-wide, we hire only the best and the brightest from the finest of schools. When you work at Oracle, everyone you work with is a Top Gun Graduate.

- **A sign-on bonus**
  If you meet the Oracle standard of excellence, you may be eligible to receive a one-time bonus equal to 10% of your annual starting salary.
Book Review: Journey Into Night

by L. A. Leakey

In May 1985, "I was blessed. I believed pro-
foundly." So goes Elie Wiesel's description of his first visit, before the Holocaust. Mr. Wiesel, the 1986 Nobel Peace Prize win-
er, spent many hours on the Holocaust which, as he says, has turned his life into "one long night." His book, Journey into Night, 

Leakey, from page 5

Mankind, within the fossil record there is a gap of several million years where there are virtually no fossils available from the Leakey collection, and support systems for the structure housing the controls, data processing, and production systems for the world's largest optical telescope, the W. M. Keck observatory, currently under construction by the California Association for Research in Astronomy, a joint venture of the University of California and the California Institute of Technology. The Keck Telescope is scheduled for completion in 1994.

Telescope from page 3

The millimeter-wave range, as well as very high-sensitivity bolometer detectors for continuum studies. The telescope will have the unprecedented capability to detect radiation ranging from one millimeter down to 300 micrometers (one-eighth of an inch).

Mauna Kea, one of the highest and most remote peaks on the earth in the world, was chosen because at 

38 CALIFORNIA TECH FRIDAY 21 NOVEMBER 1986

ENTERTAINMENT

Casino, Sharp and Tal calculators now all off 20% list Price

Telescope

The executive offices of the company, with its headquarters in San Francisco, have some evidence about the fundamental difference between man and ape has bothered

but it isn't fiction. Wiesel's experiences aren't the Holocaust. Of course, the Holocaust certainly isn't fiction either. Rather, the novel format fits Wiesel's distinctive prose well and adds more impact to the telling of his experience.

The book isn't really about one person's experience with the Nazi death camps. It does give lots of details of atrocities by the Nazis. Rather, it is about a boy if not a young man because the boy who goes from believing profoundly to loving extroverted stoners. At one point, when a child is hanged by the SS, the narrator hears 'Where is God now?' He hears within himself the answer: 'Here I am. I have been hanged here, on these gallows. Books about the Holocaust tell much about the nature of both victi-
mors and their torturers. Mr. Wiesel's book tells us what happens to both the good and bad things he felt while he was there. The book is not a bugle of human nature, this book might clear things up a bit. If you are even more confused, Hill and Wang published the book. A Copy of Night is in Millikan.

Hill and Wang published the book. A Copy of Night is in Millikan.

Hill and Wang published the book. A Copy of Night is in Millikan.
AIDS Awareness – A History of the Disease, and Prevention Guidelines

by Bruce Kahl

In my last article two weeks ago I talked a bit about AIDS and its demographics especially as the disease may affect the Caltech student population. In this article I would like to describe some of the history of the AIDS epidemic, its cause and prevention.

In April, 1981, Dr. Michael Gottlieb of U.C.L.A. medical center reported the discovery of a new illness that appeared to severely weaken the immune systems of four men he had treated, leaving them subject to a number of lethal infections. All four men were homosexual, as were those in New York City and San Francisco who also were simultaneously reported to be developing the disease. The illness was therefore called “Gay-Related Immune Deficiency Syndrome,” or GRID, for the short time it took to discover that not only gay males were its victims: soon the disease was seen to occur in certain Haitians, hemophiliacs, and intravenous drug abusers, as well as female sex partners of men in the above categories, and children born of infected females. The illness was renamed AIDS, for Acquired Immune Deficiency Syndrome, and a small flurry of lightly-funded research began to further understand the condition. Twenty-five hundred deaths later, almost two years to the day from the original Gottlieb report, U.S. Health Secretary Margaret Heckler announced the discovery of the probable cause of the disease, a virus discovered in Paris by Dr. Luc Montagnier and named lymphadenopathy virus, or LAV; in the U.S. Dr. Robert Gallo of the National Institutes of Health almost simultaneously discovered the same virus and named it HTLV-III, or Human T-Lymphotropic Virus Type III. The discoveries were highly significant, the number does not include the number of cases of ARC, or AIDS-Related Conditions, which are thought to total between 100,000 and 200,000; individuals with this diagnosis have been infected with the virus (now called HIV, or Human Immunodeficiency Virus) but do not fit the strict CDC (Centers for Disease Control) criteria for the formal diagnosis of AIDS. Nonetheless many of them may die of the complications of HIV infection without ever getting the AIDS label. As many as 50% of these individuals may go on to “full-blown” AIDS. And many more individuals have been infected with the virus and not yet begun to show symptoms at all.

Just what does HIV do that renders us so deadly? Its primary damage is to the immune system: its “secret weapon” is to invade lymphocytes (T-cells) and macrophages which normally play a crucial role in combating viruses and bacteria-toxic. T-cells serve as a modulating/guide system in directing other lymphocytes—B-cells—to attack and destroy invading virus and then to call off the attack when the enemy is vanquished. Without the T-cell, the virus in place the host is subject to infection by a myriad of so-called opportunistic organisms, such as Pneumocystis carinii, a parasite which causes a deadly pneumonia, or Mycobacterium avium, an organism which causes a TB-like syndrome but for which there is no treatment. Other results of the immune system damage include susceptibility to a wide range of cancer, Kaposi’s Sarcoma, or other cancers such as lymphoma. The virus also seems to have a predilec­tion for the brain, where it may cause a myriad of neurologic conditions, from peripheral neuropathy (numbing sensation in the extremities) to encephalitis (inflammation of the brain.) Clearly this virus is extraordinarily destructive to humans and with no markedly effective and specific treatment yet on the scene the only protection against its effects is knowledge and precautions.

The key to not “catching” the HIV is to recall that the virus is transmitted through the exchange and interchance between humans. Any activity which causes such an interaction is at risk for receiving an individual at risk of infection. And obviously avoidance of such activities lowers or eliminates the risk. There are also documented cases of female-to-male transmission via penile-vaginal intercourse, suggesting vaginal secretions can play a transporter role. I must also reiterate that AIDS is not a “gay disease;” the number of gay and non-drug-related heterosexual cases in this country is increasing steadily and in certain other countries (Haiti, Zaire, Uganda) the trend is alarming. The virus is deadly but not very contagious—though it has been recovered in saliva and in small numbers there are no documented cases of infection caused by saliva exchange. Apparently a large dose of the virus—such as that in a seminal fluid—may be necessary for infection, plus contact with blood of the host-to-be. This usually occurs via minute tears in the lining of the vagina or the rectum. The sole protection we have against infection via the sexual route is the practice of so-called “safe sex,” i.e. following sexual guidelines which eliminate the exchange of semen and/or blood (in-cluding menstrual blood.)

Safe Sex Guidelines follow; they apply to men and women regardless of sexual orientation.

SAFE
• Mutual Masturbation
• Light kissing
• Body massage
• Hugging
• Personal rubbing (foreplay)
• Light S&M (sadism/masochism) activities (without bruising or bleeding)
• Using one’s own sex toys
• Showowering or bathing together
• Fantasies—verbal or visual

POSIBLY SAFE
• Deeper kissing
• Oral intercourse with condoms
• Vaginal intercourse with condoms
• Fellatio interruptus (oral-penile stopping before climax)
• Cunnilingus (oral/vaginal contact)
• Urine contact (“water sports”) on hand or mouth

UNSAFE
• Anal intercourse without condoms
• Oral intercourse without condoms
• Manual/anai intercourse (fisting)
• Oral contact (rimming)
• Shared sex toys

I have borrowed the above list from the American College Health Association special report on AIDS. I would only add that although synthetic condoms have been demonstrated to block passage of the virus in the laboratory they are notorious for breaking and probably this fact is responsible for the 10% pregnan­cy rate when condom-only (no spermicide) birth control is used. Thus I must also reiterate that AIDS are desirable for most people when the price is life. The ultimate protection in this complicated situation is for each person to know his or her partner well enough to be able to ask about sexual history so a more informed decision can be made according to the kind of sexual activity he or she will engage in. To quote again from the ACHA report: “In many ways, it is more meaningful to think in terms of high-risk activities rather than of high-risk groups. There is nothing inevitable about being gay in terms of AIDS risk; whether one is gay or straight, certain activities are risky. For example, unsafe sexual intercourse with an unknown partner creates risk for anyone. On the other hand, safe sex reduces risk for anyone—gay or straight.”

Next time: testing for the HIV antibody—should you have the test?; description of some of the more common symptoms of AIDS, ARC, and HIV infection, plus ex­planations about tests which have been tried or are currently being investigated. If you have any ques­tions, call the Caltech Health Center, x6893, and ask for either Lori Mulvaney or Bruce Kahl.

The California Tech
FRIDAY 21 NOVEMBER 1986

The condition of AIDS, for Acquired Immune Deficiency Syndrome, was discovered in Paris by Dr. Luc Montagnier and his colleagues in 1981. They found a new virus, LAV, which they named the Human Immunodeficiency Virus (HIV). The virus is highly contagious and can be transmitted through the exchange of body fluids, such as semen, blood, and saliva. It is important to take precautions to prevent the spread of HIV, including using condoms, avoiding sharing needles, and not engaging in certain sexual activities. The symptoms of AIDS range from mild to severe, and can include fatigue, fever, weight loss, and opportunistic infections. There is no cure for AIDS, but treatment can help manage the symptoms and improve quality of life. If you have any concerns about HIV/AIDS, it is important to talk to a healthcare provider. The California Tech provides resources for students to stay informed about HIV/AIDS and other health issues.
**New Math Discovery Raises Caltech Polo in Standings**

by Skip Shotte

"You're late, class. It would be better if you get in on it." The round-faced instructor was a crocodile smile beckoned to his pupils to get in line. "This is our chance to unittest you everyone you ever knew about math," said the instructor, "Mr. Clint," Clark protested. "We learned new math in junior high." "This is newer math," Clint said. "It is possible you can get in on it. There are rules which are going to make to unravel everything you ever knew about math." "I don't want to," "That's what we'll be doing this morning," Mr. Clint continued. "Let's start by calculating the score of our last game against Occidental. What was the score reported in all the papers?"


"But that's the beauty of Dodd Arithmetic, don't you see? A few weeks ago we're in tiny towns..." "Nine," corrected Randy. "Same thing," continued Clint. "Between the two medals we were up six goals, so we sorta won the game on penalty goals. And..." (waving his hands in the air happily) "if we played them again and made up more goals, we'd win by two points, I tell ya, this year wasn't too bad.

While most of the polo class was puzzling over this, someone in the back asked, "What about the game against Whitewater after that?"

"That was more galling," Clint replied. "The game was 13-8, Caltech." "Okay, okay. But what about this last weekend against Claremont and Pomona?"

"Well, said Clint, "the Claremont game was a monstrosity, so I'm going to write that off. Our only problem was with number 18, was that 18-12 good enough?"

"I told you that number 2 was the only shot on Redlands, and you should cover him tight. He scored some goals of his own. So if we tally any of those two shots that should have gone in, the final score (the 'true' score) was 20-2, I like that."

"The class was bewildered. A year ago we didn't even have a team, but we did make the playoffs this year. Pomona has only been around for two years, but we made the playoffs this year."

"No, nobody knows it but us. It's just a private joke between Randy, Vince and Chris. I want to talk to you guys. Now, you're seniors..." "That's right, Clint. And we'll be back at the Firehouse Cafe next year." "Seeing that the Harriers Run in Regional Meet" by Speed Denom

This year the NCAA Division III Cross-Country Regionals were held on the scenic campus of UCSD. And while the sights were breathtaking, the challenge was immense. There were many racers who did not even make the qualifying times. This entailed a loss of competitive experience in some schools.

The team as a whole ran extremely well, showing a tremendous gain from the same meet the previous year, to post a third place finish in the nation over the final month of the season. The race went from 66:24 to 29:38 respectively. Chuck Lee was closing fast in 29:59 with Darro Acosta on his heels in 30:16 to round out the scoring. With the standings, Alex ATHANASOPOULOUS and Ray Hu got their first taste of the high competition of San Diego and ran consistent races. Alex's time of 30:38 and Ray's 31:23 are off their season bests by almost two minutes.

The team as a whole ran extremely well, showing a tremendous gain from the previous year's meet on our home course and bare­ly escaped with a 4-point victory. After the meet was over and the Regionals medals were given out, we had defeated that same team by 13 points.

Occidental won this meet, thereby earning a trip to National championships. Alex's time of 30:38 and Ray's 31:23 are off their season bests by almost two minutes.

The team as a whole ran extremely well, showing a tremendous gain from the previous year's meet on our home course and barely escaped with a 4-point victory. After the meet was over and the Regionals medals were given out, we had defeated that same team by 13 points.

Occidental won this meet, thereby earning a trip to National championships. Alex's time of 30:38 and Ray's 31:23 are off their season bests by almost two minutes.

The class was bewildered. A year ago we didn't even have a team, but we did make the playoffs this year. Pomona has only been around for two years, but we made the playoffs this year."

"No, nobody knows it but us. It's just a private joke between Randy, Vince and Chris. I want to talk to you guys. Now, you're seniors..."

"That's right, Clint. And we'll be back at the Firehouse Cafe next year."

"Seeing that the Harriers Run in Regional Meet" by Speed Denom

This year the NCAA Division III Cross-Country Regionals were held on the scenic campus of UCSD. And while the sights were breathtaking, the challenge was immense. There were many racers who did not even make the qualifying times. This entailed a loss of competitive experience in some schools.

The team as a whole ran extremely well, showing a tremendous gain from the previous year's meet on our home course and barely escaped with a 4-point victory. After the meet was over and the Regionals medals were given out, we had defeated that same team by 13 points.

Occidental won this meet, thereby earning a trip to National championships. Alex's time of 30:38 and Ray's 31:23 are off their season bests by almost two minutes.
Fencing

from page 10

three years. Team co-captain Joe Biebeck has climbed to eleven wins in eighteen bouts, closing the half-season with three strong victories last Saturday at UC Santa Barbara. Andrew O'Dea's game continues to improve, as does his standing, with seven wins. Despite only four bouts victories, Jeff Grassem remains a key upstart; two of his victories ensured squad wins against UCLA in early November and USC last Saturday.

Next in seniority stands the women's full squad, led by team co-captain Dana Pillbury. Pillbury has won fifteen of her twenty-four bouts, more than her four colleagues combined. Ann Lewis shows steady improvement in this, her second season, with four wins. Newcomer Karen Siegelst has been fencing well, her record of three victories notwithstanding. Dee Morrison has managed to fence several bouts—win two—despite tanglements with cross country running. Freshman Cathy Cretsinger has much potential that is currently being developed; her first win has yet to come, though on several occasions she has come close against much stronger opponents.

The men's foil squad must look to leader Paul Rubinov for what little previous experience they have. Rubinov holds top spot on the squad with seven victories. Freshmen Eric Scholl and Robert Coker, each with three bout wins, are on the verge of making the breakthrough from losing very close bouts to winning those same bouts. Bruce Bell has two victories to his credit, as does Minche Chou (who needs no lessons in aggression—he pushed the top man on UCLA's squad down the whole length of the strip and beyond).

The entire saber squad is entirely new to the sport; even sophomore Ken Kelley and junior Biernacki are in their first season. Leader Kelley heads his squad with six wins, followed by freshmen Sean Johnston and Charles Fu with three. Biernacki and freshman Brian Brand have also been contributing to the squad's efforts, with less success than they have wished.

In addition, both Biernacki (saber) and Scholl (foil) haveswitched to each other's weapons when needed to prevent a team forfot.

Squad wins agains Cal Poly Pomona (saber) and Cal State Fullerton (epee) will not count in the league standings due to problems with their first half-season.

Co-captain Biebeck expects the season to be relatively slow due to the greenness of most team members. "This half of the season (the last) is giving much of our team time to really get going in their weapons," he comments. "We're fencing on four to six hours of practice a week, against several teams which practice more than our football team, and pull from a pool of fencers about the size of Deane House. It's surprising we do well at all on a regular basis."

The second half of the fencing season begins this Saturday in the gymnasium at 1:00pm with a three-way meet between host Caltech, Cal Poly Pomona, and UC San Diego. The gym will be open at 12:00 noon for spectators. Come out and see the Battling Beavers at their first home meet this season!

WEEKLY SPORTS CALENDAR

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Time</th>
<th>Sport</th>
<th>Opponent</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fri.</td>
<td>11-21</td>
<td>TBA</td>
<td>Basketball</td>
<td>Christ College</td>
<td></td>
</tr>
<tr>
<td>Sat.</td>
<td>11-22</td>
<td>TBA</td>
<td>Basketball</td>
<td>Christ College</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12-2</td>
<td>TBA</td>
<td>Basketball</td>
<td>NACC National Champion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11-27</td>
<td>7:30pm</td>
<td>Fencing</td>
<td>Cal Poly Pomona &amp; UCSD</td>
<td>Caltech</td>
</tr>
<tr>
<td></td>
<td>11-27</td>
<td>10:00pm</td>
<td>Football</td>
<td>Valley Victor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11-27</td>
<td>12:45pm</td>
<td>Hockey</td>
<td>CSU Northridge #2</td>
<td>Pickwick Ice Arena</td>
</tr>
<tr>
<td></td>
<td>12-3</td>
<td>7:00pm</td>
<td>Basketball</td>
<td>LIFE College</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12-3</td>
<td>9:45pm</td>
<td>Ice Hockey</td>
<td>U.C. Irvine</td>
<td>Pasadena Ice Center</td>
</tr>
<tr>
<td></td>
<td>12-3</td>
<td>7:30pm</td>
<td>Basketball</td>
<td>Pacific Christian</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12-3</td>
<td>9:45pm</td>
<td>Ice Hockey</td>
<td>U.C. Irvine</td>
<td>Pasadena Ice Center</td>
</tr>
<tr>
<td></td>
<td>12-3</td>
<td>7:30pm</td>
<td>Basketball</td>
<td>Washington U. Tournament</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12-3</td>
<td>9:45pm</td>
<td>Ice Hockey</td>
<td>Washington U. Tournament St. Louis</td>
<td></td>
</tr>
<tr>
<td>Sat.</td>
<td>12-6</td>
<td>TBA</td>
<td>Basketball</td>
<td>Pasadena Police</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12-6</td>
<td>11:00pm</td>
<td>Football</td>
<td>Caltech</td>
<td></td>
</tr>
</tbody>
</table>

NADD SHOWCASE

HELLO AGAIN...

 THIS WEEK WE ARE CONTINUING WITH OUR BUY-OUT ON THE CLASSIC NAD MODEL 75. $25.00 FOR AN IMPROBABLE 25 FEET OF ANTENNA POWER IS Channels 2-45 for only $199! Normally $250, this receiver and 25 feet of cable of #12 wire exceeds all FCC specifications. When it was first offered, it was apparently for more than $80, there is a guaranteed supply at this price, but the sale is only continuing for 3 more weeks. Remember our extended hours for the holiday season. Mon-Fri 11-9, Sat 9-5, Sun 1-6. Open 1 HR EARLIER AFTER THANKSGIVING!

SO UNTIL NEXT WEEK.

SPORTS

Violence

from page 3

Jeanne Noda, Assistant Dean of Students.

Meetings

Some members of the administration met Monday morning to discuss what happened Saturday night. Those attending were Jim Morgan, V.P. of Student Affairs; Chris Brennen; Bernie Santarsiero; Jeanne Noda; and Gary Lordon.

The ASCIT Board Of Directors held a meeting Tuesday night and the IHC Wednesday night to establish the new plan for future Caltech parties.

This year's Interhouse violence, it was pointed out, is unprecedented. Although there was some vandalism at a seven-house party last year, never before have there been attacks of a violent nature.

Two major factors may have contributed to the problems which arose.

The lack of adequate security training to deal with large groups (according to Brennen, there were about 20-25 "undesirables" causing trouble) certainly made it difficult to control the situation. Whenever the four Caltech Security guards escorted a group off of the campus, the group would circle around and reenter from another side. Brennen said that the inability of the security force to remove troublemakers permanently from the campus was the reason that it took from midnight until two o'clock to finally get the off-campus crackers to stay away.

At the ASCIT discussion meeting, various measures were discussed to increase security at Caltech social events. Holding these parties in the gym or other enclosed space was one suggestion; this would allow tightly controlled entrances and exits, ensuring that those who got bounced stayed away.

However, ASCIT president Cibu Bures admitted that it is clearly not feasible to put Interhouse in a box since that would require some sort of fence around all seven houses. To deal with the complexity of the problem, Steve Gomez, IHC chairman, suggested that the ASCIT security agency, especially after seeing how Caltech security handled the problem.

It was decided that a visible police force could do a much better job of protecting Interhouse, particularly the Pasadena Ice Center, where Greg Lordon pointed out, "The people who are there are not the types who are Rent-a-cops; they're not trained [to handle a party situation]."

In the opinion of Chris Brennen, "The whole idea of Interhouse; there seemed to be no real need to hire additional security... We were basically victimized.

And indeed, more security might have detoured the whole thing, but it was not for the other major problem.

"Word of Interhouse naturally leaks to non-Caltech people to come party... because there are many uninvited guests from local high schools and colleges. These, however, have not been a problem in past years. This year, some people got off the Pasea Plaza, Pasadena, among other places, and distributed flyers explicitly advertising Interhouse. These flyers may have attracted people who did not know about the spirit of Interhouse nor Caltech.

In the opinion of Chris Brennen, "It was basically an ill-justified thing to do."

Guidelines

As a result, a set of guidelines were set up by the IHC: these apply to all parties that will feature a live band and multiple alcohol sales.

The rules are as follows (according to John Beck):

1. "A security guard will be posted wherever alcohol is being served. There will be no bottles; all drink will be served in plastic cups."
2. All students should furthermore be cognizant of existing local laws concerning alcohol and other illicit substances.
3. "There will be no outside advertising except in certain circumstances and then only by permission of the ASCIT and either the IHC Chairman or the ASCIT President."
4. "Each house shall control access to the point of there being only one entrance, which shall be manned by students monitored by security."
5. "Security must be informed at least three days in advance. They must also be notified of any bands, and additional security will be arranged appropriate to circumstances."
6. The repercussions of Interhouse are emotional as well. Said Cheryl Schlitz, "This very painful thing to me. But I'm thankful no one was hurt more than they were." But the discussions are far from over.

On Monday, there will be an ASCIT executive council meeting to discuss the possible policies for future Caltech parties. Everyone is welcome, but ASCIT encourages those who are involved in planning parties, such as the IHC, to send their teams, and also those who deal with invitations to non-Techers. The ASCIT meeting will be held at 7:00pm Monday, November 24 in the boardroom in Millikan.

ASCIT hopes for a large turn-out. Gary Lordon said, "I think it's very important for the people to be something people talk about."
ANNE S. TROWBRIDGE
ASSOCIATE DIRECTOR
THE CIC OFFICE
THE CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CA 91125

Advertising ventilating systems

- Single room ventilation
- Double room ventilation
- Bath ventilation

-Early Spring Sale
- Free delivery
- Installation

PHONE: (818) 793-5736

ALTERNATIONS

- Tailoring
- Alterations
- Custom tailoring

Telephone: (818) 793-5742

INVISIBLE REWEAVING

- We specialize in: Haircuts, Hair weaving, Hair extensions

Telephone: 793-5752

ASSISTANT DEAN FOR STUDENT LIFE, CALTECH

A new Philosophy course has been added to the Winter schedule.

For further information, please contact

Professor Arthur Kuflick
Department of Philosophy
The California Institute of Technology
Pasadena, CA 91125

PHONE: (818) 793-5742

Fellowships

The Committee on Institutional Cooperation (CIC) is offering scholarships for minority students in engineering. The CIC is a group of 19 research universities including the University of Chicago, the University of Illinois at Urbana-Champaign, the University of Michigan, the University of Minnesota, the University of Missouri, the University of Nebraska, the University of Wisconsin, and the University of Iowa. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions.

For more information, please contact:

Dr. William A. Porter
Department of Electrical Engineering
University of Illinois
Urbana, IL 61801

Phone: (217) 333-6199

The CIC Minorities Fellowship Program is designed to encourage minority students to pursue advanced degrees in engineering and to provide financial support for minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minorities Fellowship Program is a joint venture of the CIC and the National Science Foundation.

For more information, please contact:

Dr. William A. Porter
Department of Electrical Engineering
University of Illinois
Urbana, IL 61801

Phone: (217) 333-6199

The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minority Scholarships are available to minority students who are enrolled in engineering programs at any of the CIC institutions. The CIC Minorit...