Chop Off Your Philanges; Join The Student Shop
by Kutchi Fingerhoff

Have you ever needed a screwdriver at 4 a.m.? Wanted to build a set of speaker cabinets? Wondered where there was still to learn a little about metal working? If you have, then join the student shop.
The student shop is an organization devoted to such activities. It has a selection of wood and metal working tools of both the hand and power varieties. The tools are available in the shop and may be borrowed for use outside the shop.

Absolutely no previous experience is necessary to join the student shop. The only requirements for membership are payment of the shop dues ($5, plus $5 deposit) and attendance at a check-in meeting. At this meeting, the rudiments of the operation of the equipment will be discussed, with special emphasis on operator safety and prevention of damage to the equipment. The next such meeting will be Saturday, January 19 at 1 p.m. for those who are interested. Come. There will be a check-in meeting in the basement of Winnett next to the game room, at this time if you want to make sure all the membership requirements are met.
The student shop does not conduct classes in the use of the equipment. It does, however, provide access to a group of people who are interested; someone can always be found to explain the operation of any tool. If you are interested in using the wood shop, for example, a shop committee member would direct you to someone who knew how to use the equipment. That is, the access to people who know what they are doing is one of the most useful features of the shop and enables you to do as much or as little learning as you desire.

If you are at all interested in joining the shop, come to the check-in meeting.

Continued on Page Four

Old Editors Never Die

The CALIFORNIA Tech

Volume LXXV
Pasadena, California, Friday, January 18, 1974
Number 13

They Just Move to Altadena

Master of RF Talks to Techers
by Slippery Smirk

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Continued on Page Four

Gang Takes Over O/C Housing

Property management for Caltech-owned residence and apartment properties available for rental primarily to students is now handled by O/C Gang. Mr. Gang, Manager, Residence and Dining Halls, in addition, the “housing index” has been relocated to the Residence and Dining Halls Office (Bldg. 56, south end).

Mr. Gang will be assisted by Mrs. Betty Ursin in student rentals, including cooperative housing and student apartments, the women’s off-campus house, and the housing index and referral service, which is used by faculty and staff as well as students. These changes will consolidate student housing activity, provide a more central location for the location of student housing and balance administrative workloads.

Mr. Kermit A. Jacobson, Assistant Treasurer, will continue his responsibility for residence rents and property primarily of interest to faculty and other non-students, for Caltech’s non-residential properties, and other special investment holdings.

Transcendental Meditation

The Students’ International Meditation Society will have its second meeting on Tuesday, January 22, in 212 Mudd at noon. All Caltech students and faculty members practicing Transcendental Meditation are welcome.

For further information contact Gary Bodrozic at 796-9716.

Come Trump Your Aces

There will be a duplicate bridge tournament Saturday at 7:30 p.m. in Winnett. No experience necessary.

BOD To Meet Finally (Maybe)

Today at 4:30 p.m., the BOD will get its winter season under way by discussing many interesting things. The meeting will be in Winnett Center, unless nobody shows up, in which case it might as well be in Upper Seven. No experience necessary.

Rise The Demon

Vincent Fratello, famed Caltech sereniter (spurred half-dead aloof, strug- gles desperately in an effort to defeat his foes). Story on eight. Photo by Fearnby

Baxter at 4 p.m. "Political-Scientific Controversies in the Soviet Union: Lysenko, Pauling, and Salkhovu." Irving S. Bengel- dorf, Lecturer and Director of Science Communication, Caltech.

Behavoral Bio Building

The big, beautiful, Beckman Behavioral Biology Building was dedicated this Monday. It’s des-Igned to accelerate Caltech’s expanding research in the biology of animal and human behavior. The structure was made possible by a gift from Dr. and Mrs. Arnold O. Beckman, (not related to Peter W., so far as we know).
The building is of contem- porary design and consists of a basement and three floors above ground. It comprises a total of 75,221 square feet of floor space. "We believe that behavioral biology will be a field of the greatest importance in fundamental science during the next decades," declared Dr. Robert Sinsheimer, chairman of Caltech’s Biology Division. "In this age of stress, we must look within ourselves for greater understanding of why we behave as we do." This was quite probably a well-pleaded note that the walls met at approxi- mately ninety degree angles, rather than merely approaching within an order of magnitude as in Baxter.

The Court of Man

The handsome new building completes the Court of Man. As soon as the grass and plants start growing again, it may even look nice (not that it doesn’t look pretty good now).
The behavioral biology labora- tories will provide research and teaching accommodations for about 80 persons, including faculty members, postdoctoral fellows, research associates, gradu- ate students, laboratory techni- cians, and lots of dead frogs.

In small teams the scientists and their students will study perception, developmental psychology and ethology, claustro- phobia, and lots of other stuff.

Rise The Demon

Vincent Fratello, famed Caltech sereniter (spurred half-dead aloof, strug- gles desperately in an effort to defeat his foes). Story on eight. Photo by Fearnby
More Security

A high incidence of crime continues at Caltech despite the fact that it has been going on long enough to alert all personnel to the problem, and presumably they are being more careful. We are not talking about isolated thefts of small items, but of repeated thefts of costly Institute equipment, thefts of students' property such as bicycles, and physical assaults.

Apparent it has become known to criminals in the area that Caltech is an easy place to hit. Much of the campus is left open late, Tchers tend not to lock their doors, strangers are rarely challenged, and, most importantly, we do not have a really effective security force.

This is not meant to imply in any way that the individual officers are not performing well. This is certainly not the case. The point is that there are not enough of them to do the job effectively. Three persons, no matter how well trained, cannot be expected to adequately guard this large an area with this many buildings. Five officers per shift would seem to be the minimum force necessary to patrol the campus.

Another approach is to hire students to do the routine locking and unlocking of doors (Tchers have proven good at this) and turning on and off of lights, which are big time sinks for Security now. This would at least leave the three existing officers free to cover the grounds more thoroughly.

The key to any of these suggestions is money. The Institute has been trying to save money on its security force (note the change to contract security because it is cheaper). Security is an idiot place to save money, since an undermanned security force costs more in the long run due to theft, property damage, and even human injury. It is time that our force be increased to meet the needs of the campus.

Solar (Con)Fusion

by Alan Silverstein

The second to the last of the Fall-Winter series of Earnest Watson—Caltech Lectures drew a large crowd to Beckman Auditorium last Monday night at 8 p.m. There was good reason for the crowd's interest as Dr. Roy Gould, Caltech Professor of Engineering and Applied Science, outlined a possible means of forever escaping the current energy crisis by the year 2000.

"To Imitate the Sun" was the first order of business, which was a sweeping survey of all of the possible methods of obtaining energy from nature, including those not yet feasible. Dr. Gould said that nuclear and solar sources are the necessary ones to consider for long-term, essentially non-depletable usage. Of these he selected hydrogen fusion as the most profitable, non-polluting, and workable in the long run, and began to discuss it in some detail.

Will I CUT DOWN on my SPEED FOR the PRESIDENT? Is this SOME Kind of a DRUG CRUSADE?"

Wednesday, January 18, 1974

The California Tech

The Vanishing Point

at 7:30 and 9:30 p.m.
in 153 Noyes (Note Change)

Admission: 50¢—ASCiT members and their guests; $1.00—anyone else

TERM SCHEDULE

Jan 25 Strawberry Statement
Feb 8 Billy Jack
Feb 15 Play It Again, Sam

by E. Squirel Mole

A rape attempt against a woman on the Caltech campus this week has shown us once again that the real world comes to Tech every now and then. A female member of the Caltech community, who was not further identified, reports being asked for assistance by a man claiming to be a T.A., requiring her to enter a room with him. The pretext was that a drawer was stuck, and after entering the room the victim was attacked.

While the details of the case are being withheld pending invesigation by the Pasadena police, Security Manager Joe Chaplin disclosed that the attempted rape took place on campus, in the daytime. The physical description of the would-be rapist and the nature of the attack were similar to those in a case being investigated by the San Dimas sheriffs.

Composite drawings from descriptions made by witnesses (victims) in the Caltech and San Dimas cases are reproduced elsewhere on the page. The attacker is said to be 5'5, dender, with a somewhat dark complexion. While the two drawings are not exactly alike, they could easily be what two frightened witnesses would remember after seeing the same person. Anyone who thinks he has seen one of the individuals pictured is asked to contact Security.

Chandler Eats It

R&R Food Service (no, we still don't know what R&R stands for) has announced that the hours of operation of Chandler (the Greys) have been cut to 11-1 on Saturday, and that it will be closed all day Sunday. The change was des cribed by Chief Wayne Morrow as being necessitated by a "lack of participation" by the students.

It's like this: Tchers don't eat at the Greys. Staff business keeps the place running Monday through Friday, and Saturday School children eat these Saturday around noon. Were it not for the Saturday students, it would be closed all weekend. R&R is losing gobs of money, and they are especially not getting lots of business from Tchers.

It might well be asked how a food service with a building and equipment provided for it, and with no competition for anyone else on campus, can get so little business. The answer can only lie in the way the place is run. Tchers will walk to nearby establishments, drive as far as Los Angeles, or, dole food home from grocery stores and cook for themselves in preference to eating at Chandler. This saves something about the food, service, and prices.

The Student Housing Committee will be holding an open meeting this week, with testimony from students, who are encouraged to submit their opinions by 2 p.m. today in Millikan Board Room. The meeting will be instrumental in determining the future of the food service on campus (see the story on page one of last week's Tech).

Mary Arnold, Editorial Director

The Mabel and Arnold Beckman Laboratory of Behavioral Biology was dedicated last Tuesday in a ceremony involving Harold Brown, the mayor of Pasadena, the Board of Trustees, and many of the Institute Associates (read: Contributors). The building, under construction for a seeming eternity, is now ready for occupation.

The Court of Man being completed by Beckman II (or Baxter-prime, or whatever), the Institute kicked off a $130M fund-raising campaign (the point of which is that the Institute needs money to keep pace with academic excellence) by giving the Trustees, Associates, and others a restaurant, a huge lecture hall, a reception and dinner at the Beverly Wilshire Hotel, complete with SATs, a 150EM top of the line Caltech Glee Club which is not reviewed on the entertainment pages.

THE ASCiT FRIDAY NIGHT MOVIE

Mar 8 Beyond the Valley of the Dolls

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COMPOSITE DRAWINGS of possible suspect in attempted rape. If anyone has seen either of the suspects he should contact Security immediately.

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Thoughts

On God and Drugs and Little Green Bibles

by Thomas Presburger and Howard Zelker

Recently we were victims of solicitation for funds from one of the ten-challenge type drugs that abuse preventive centers that take people off drugs and turn them on to Jesus. They accomplish this by offering goals in life that are not drug related through Bible meetings, prayer, and the teachings of Jesus. The theory behind this is that the ones dependent on drugs can turn to a less debilitating habit--that of Jesus.

What this actually does accomplish is to give the unfortunate junkie the glorious crutch of God for the demeaning crutch heroin. It is far worse to have your mind corrupted by the savior belief in Jesus than to have your body corroded by toxic chemicals. The sanctity of the mind is by far more important than the salvation of the body.

A Modest Proposal

What should be done is that the government legalize drugs and addiction so its citizens who are addicted are not subjected to ridicule moralizing. In fact, the FDA should inspect drugs to make sure people are given the correct doses.

The day may come soon when the FDA should inspect drugs to make sure people are given the correct doses.

The California Tech

The Red Menace

by Mory Bieg

There is a force at work in our great country which seeks to destroy us. A force for evil is working to overthrow the God-fearing people of this magnificent land. A huge tide--nay--wave of red threats are engulfing us and annihilating our children. This red poison is seeping in everywhere, destroying everything it touches. The youth of this country, are being (and have been) seduced by this menace and their reason is hereby destroyed by it. This great danger started as a weak and innocuous thing which more considered dangerous; but this red horror has overwhelmed vast numbers of our weaker neighbors and is weakening our very foundations.

Peace and Tranquility

To Prevail? Maybe!

What's the outlook for peace studies and anti-war activism on college and university campuses, now that American involvement has ended and an uneasy peace reigned in Southeast Asia? The need would continue to appear urgent for years to come, though the class of '77 will be the first group of 18-year-olds entering college for almost two generations without a shooting war going on.

Assuming that this year's crop of freshmen was born mainly in 1955, its members have spent their entire lives in an active war environment. Some disturbing insights into their and successive college classes' social attitudes and influences may be glimpsed in a recently published study on children's attitudes about war (Children and War, Teachers College Press) by Howard Tolley, Jr., assistant professor of political science at Wilberforce University.

Analysis of his statistical findings indicates a marked ambivalence in children's attitude to war, a scepticism about government and the president, and greater influence in their opinion-forming by parental beliefs than by the educational system, churches, media and other forces for ethical and social responsibility. Dr. Tolley says that childhood socialization influences later adult political beliefs. He also cites research studies with high school students which revealed little difference in attitude between freshmen and seniors.

These evil creatures have many guises. They call themselves catsup until they are discovered. They could taste their true output. The truly dangerous enemies of America are the staunchest supporters of the catsup movement and the true instigators of the INTERNATIONAL CATSUP CONSPIRACY.

These evil creatures have many guises. They call themselves catsup until they are exposed and run out; but they immediately appear under the new name of Ketchup or Catsup. They also call themselves catsup until they appear under the new name of Ketchup or Catsup. Don't be fooled. When in doubt Smash. Smash first and ask questions later. Before a thousand innocent sauces and dressings perish unjustly one despotic catsup escape destruction.

Beckman Auditorium

"More human and alive than the Royal Shakespeare Company" -L.A. EXAMINER.

"Their finest act is in giving Shakespeare back to the people"--COLUMBUS DISPATCH.

Saturday, January 26 – 8 p.m.
Peace?

Continued from Page Three

by Robert N. translators of the coming generation of school children whom Dr. Tolley studies will have grown up and gained a better understanding of adult citizenship. It can be inferred from his sample that the decline in political activity among young people in the 1960s was a result of the teaching at their schools, including that of adult citizenship. It can be inferred that the teaching at their schools, including that of adult citizenship, has a significant influence on young people's political activity.

The sample group comprised 2,677 children from grades three to eight in New York, New Jersey and Maryland, whom Dr. Tolley interviewed. At the time of his research, the children were 10 to 14 years old. The research was conducted during the Vietnam War, which was a significant event in the children's lives. They were exposed to television coverage of the war and were influenced by the political environment. They were the first generation of students to be exposed to television coverage of the war and as a result, they developed a political awareness.

Acceptance of the inevitability of war by children, therefore, means that they are more likely to accept their situation and are less likely to become involved in political activities. Their acceptance of the status quo and their willingness to accept the situation as it is will have a significant influence on the future political activity of these children and their generation.

Caltech Searches for $30 Million In New Funding

by Gavin Claypool

With the slogan "At the Leading Edge," Caltech has launched a fund-raising campaign designed to bring in $30 million over the next five years. The campaign was formally announced Monday evening at a black-tie banquet with musical entertainment from the Yale University Glee Club.

The $30 million dollars of the projected $130 million has already been raised. The Institute is asking for $59 million in endowment funds, $40 million for current operating expenses, $57 million for new buildings and endowments for their main campus, and $13 million in trust for various purposes.

Seeking a Better Base

The increase in endowment funds will raise the percentage of Caltech's total revenue that comes from private sources. It is estimated that 10 percent of the current 15 percent to a 20 percent figure more common to private universities would be a significant milestone for Caltech.

In closing, I can only say, "Fortunately, I was wrong."

Study Shop

Continued from Page One

meeting Jan 19. You will get a chance to look the shop over and meet the committeemen, and we hope you decide to join.

If you have any questions, contact Lou Scheffer, 213 Page (449-9755).

SUMMER JOBS FOR JUNIORS

IN PHYSICS, CHEMISTRY AND ENGINEERING

The Department of Engineering and Applied Science of Yale University is offering a limited number of Special Grants to college juniors who would like to gain experience in advanced research this summer.

Available projects will include work involving environmental studies and air pollution, efficient energy generation, pattern recognition and computer simulation, systems studies, biomechanics, laser technology, solid state physics, surface chemistry and catalysis, atomic physics and electronics, plasma physics.

Stipends will be in the range $100-$800 (or a week and will be awarded for the work) for summer period from June 3 through August 16, 1974.

For further details and application forms please contact your department office, dean's office, or placement office, or write to:

Summer Research Program
Department of Engineering and Applied Science
Yale University
New Haven, Connecticut 06520

Completed applications are due March 1, 1974.
THE CALIFORNIA TECH

Kate' Auditions

Auditions for this year’s A.C.T. Musical, Kiss Me Kate, will be held in Baxter Humanities Lecture Hall throughout the week of January 20 to 26. Anyone who wishes to try out for the cast or chorus should appear at the following times:

Sunday, January 20, from 1:00 p.m. to 5:00 p.m.
Tuesday, January 22, from 7:30 p.m. to 9:30 p.m.
Saturday, January 26, from 1:00 p.m. to 5:00 p.m.

During the audition, you will be expected to sing a song of your own choosing, so in order for the Music Director and the accompanist to be able to see the music, please bring two (2) copies. Also, if you have a photograph of yourself, please bring it. If you would like to use music from Kiss Me Kate, please see Flora Constanten in Winnett Center Office.

Dances are also needed (desperately) in the show. If you can dance at all, please come to the auditions Sunday, January 20 or Saturday, January 26 and indicate that you are a dancer. We will be very happy to see you.

If you are interested in playing in the orchestra, a preliminary meeting will be held next month on Sunday, February 17, in Baxter. In the meantime, please call John Guscott at 494-6996 or Flora Constanten at ext. 2157 and let us know you are interested.

We also need people interested in working on sets and lighting; a musician is encouraged to audition. General stage crew kinds of things. Please call Steve Gillett at 796-6881 or Flora Constanten at ext. 2157. We will be very happy to see you.

Anyone who wishes to tryout for kissing, please bring two copies of the music. Also, if you have a photograph of yourself, please bring it. If you would like to use music from Kiss Me Kate, please see Flora Constanten in Winnett Center Office.

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**Techers Scale Mexican Heights**

by I. M. Wett

How's the view from the third highest mountain on the continent? "It's like you're on top of the world," comments one of three Techers who was on top of Mexico's Pico de Orizaba (Citlaltepetl) in December.

The odyssey of Page Dudes Rick Coney and Patty Perigo and Darb Bob Kieckhefer started early on Wednesday morning of first-term finals week, when they squeezed themselves and their equipment into Coney's Datsun and began 52 hours of non-stop driving. About three hours later the expedition hit its low point: 200 feet below sea level, near the Salton Sea.

Their drive through Mexico was always exciting and often terrifying, especially at night. It's not clear which was the bigger hazard—buses which tried to run the Datsun off the road or burros and cattle which threatened to demolish the car by their total disregard for the rules of the road. Weaving through the Mexican Army (both infantry and cavalry) was also thrilling.

**Cuidado Con El Coche!**

After two days of non-stop driving the Techers put all their driving skills together for their first drive through Mexico City and survived without even being rear-ended. After some quick shopping in Amencamca they arrived at their campsite at 13,000 feet on the slopes of Pocotecpetl, Mexico's second highest volcano and the highest peak in North America (17,887 feet).

The lack of oxygen at this altitude soon became apparent when Kieckhefer almost fainted while performing the strenuous exercise of waxing his boots. But anything was preferable to the Mexico City traffic!

The next morning the three climbers awoke at 2:00 and began climbing by moonlight before 4:00. The comet Kohoutek was not visible to the naked eye. Soon the three Gringos found themselves climbing with an Outward-Bound-type class of Mexicans, who laughed at the Americans who needed to breathe twice per step while climbing.

**Diez Horas Al Pico**

The climb itself was one of the easiest portions of the trip (especially compared to driving in Mexico City), and the climbers arrived at the H2S-belching crater about noon. The Mexicans turned back there, but the Americans continued to the summit to enjoy the view of Mexico City's smog.

The trip down from the summit was uneventful compared to the next morning, when Kieckhefer and Perigo were attacked by Montezuma's Revenge (nativa) and began drinking copious amounts of kaespectate. This turn of events forced the cancellation of plans to climb Popo's sister volcano, Ixtacihuatl; the three climbed Pyramid of the Sun (8000 feet!) at Teotihuacan instead.

**U. D. These Que Pesar...**

After a day of shopping and sightseeing in Mexico City and a delightful evening at the home of a Mexican friend, the adventurous Techers set out for Pico de Orizaba, 120 miles to the east. The first excitement came when the Datsun ran a red light in Mexico City, but somehow Kieckhefer managed to talk his way out of a ticket without paying off the policeman.

Pico de Orizaba soon appeared before them, rising to 18,854 feet from a 7500-foot plain. The paved roads end in Tlalchicuca, where the Americans and four German climbers boarded a jeep for a dusty two-hour ride to the base of the mountain. Another hour of walking took them to their sleeping quarters, a stone hut above the timber line.

The climb the next morning began with two frustrating hours of pre-dawn hiking and flashlight repair; the moon, having waned to a sliver, provided no light. Once they reached the ice near sunrise, however, the climb became easier, though the gale winds and blowing snow threatened to freezefrost everyone's fingers, toes, and faces.

**Encina Del Mundo?**

Nine hours of climbing took them to the crater, which, although dormant, contains many outcrops of sulfur crystals. After another 30 minutes of hiking the Caltech Three reached the windswept summit and gazed over the cloud-swept lands below.

From the summit, the highest point of land between Mount Logan in the Yukon and Pico Cristobal in Columbia, they could see a break in the clouds to the northeast, marking the coast of the Gulf of Mexico, but everywhere else was a sea of white. Even though the view was spectacular, Patty, Rick, and Bob soon left the summit for the warmer lands in the crater and, three hours later, at the stone hut.

The next afternoon they began the long drive back to Pasionada. After a few near-misses in Mexico City, the trip was pleasantly dull, except for a brief encounter with a cactus and a snake in the desert. And so they returned to the United States.

**THE CALIFORNIA TECH**

Friday January 18, 1974

Ice Hockey Team

Keps on Winning

by Clyde Burrow

Caltech's hockey team continued its winning ways last Sunday night by defeating Cal State Northridge by a score of 7-4. This was Tech's fourth straight victory against no losses (in league play) and the second against Northridge.

Will Leonard led the team with three goals and one assist. Fred Culkic and Bill Harris each added two goals. Caltech continued the scoring when Culkic fed Leonard and he slammed it home, but Northridge quickly came back with two goals and the first period ended with Northridge leading 3-2.

Weary from their trip to Montreal over the term break, the team needed some exceptional goaltending from Dan Margolish.

After a discussion during intermission, the Tech team regained its poise and reeled off five goals in the last two periods. The team will have one week off before returning to their home ice and defending their unbeaten league record against the UCLA Bruins on January 27.

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**Be careful with fire. Remember: there are babes in the woods.**

And those baby fawns, rabbits, squirrels and trees need a safe happy home. They need a place where they can grow up strong and healthy. Like babies everywhere. So please, be careful with fire when you're in the forest.

Follow all the rules of safety and caution—just like any other place where there are children at play.

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**Now Showing:**

“**Big Kiss**”

Also playing:

“The Doll Maker”

A completely new show every Tuesday

Caltech students — $1.50 off regular admission with this ad

2226 E. Colorado Blvd. Pasadena

No One Under 18 Admitted

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**VENUS ADULT THEATRE**

FOR THE DISCRIMINATING ADULT

**X Rated**

DAILY 11 am to 2:30 am
SUNDAY 12 noon to Midnight

AIR CONDITIONED for your comfort
plenty of free parking
Fusion

Continued from Page Two

Deuterium (present in sea water to 1 part in 7000) and Tritium (derivable from lithium) both heavy forms of hydrogen, look to be the bases of the two most promising fusion reactions. Both reactions are simple and ultimately will provide energy, but unfor­
deniably, they require high temperatures to get started. The Tritium reaction, called DT be­cause deuterium is also involved, has a lower activation energy and thus is currently the best pro­spect for the first controlled fusion reaction. (The fusion in an H-bomb is uncontrollable and is triggered by a fission bomb.) To achieve nuclear fusion on a smaller scale than in a bomb, it is necessary to heat the reactants to temperatures of about 10^8°C, confine them away from the walls of the reaction chamber long enough for complete reac­tion (10^-1 to 10^-5 sec, depending on material density and temperature), and extract the released energy and convert it to a usable form such as electricity. This can only be done in a large plant, so there is no way you could ever drive up to a “water station,” put a gallon of “heavy water” in your tank, and drive away.

Critical Problems

Successful confinement time and temperature reached are the critical problems now being researched around the world. One method that looks hopeful in­volves containing DT plasma (or ionized, superheated DT gas magnetically within a large torus (donut shape)) while it circulates, so there are no “ends for it to get out of,” and heating it with a current. Reactors have been and are now being built that can attain time-temperature-density products approaching the break even point, i.e., the point where more energy comes out than goes in.

A second possible method of starting reactions would decrease confinement times drastically by increasing the density of the reactants. Powerful lasers, more powerful than any now existing, would heat a DT pellet until it exploded. 70% of each pellet would ablate off before reaction, starting reactions would decrease (donut shape) while it circulates, so there are no “ends for it to get out of,” and heating it with a current. Reactors have been and are now being built that can attain time-temperature-density products approaching the break even point, i.e., the point where more energy comes out than goes in.

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Swimmers Swamp Whittier Toads

by J.M. Wert

Caltech’s swimmers splashed to a 65–24 victory over Whittier last Friday in their first meet of the season. Techers won nine of the eleven races and everybody who made the trip to Whittier placed in at least one race.

All who attended the meet complimented Whittier on the comfortable (warm) water temperature in the pool. Presuming that President Nixon’s alma mater knows the approved methods of allocating energy, the powers at Caltech have raised the water temperature here from last week’s 68° to a more comfortable 75°. Meanwhile the surf roars in at San Clemente at 55°.

Gone, Gone, This Form of Jello

Demon Wrestlers Back

Facing top-ranked Biola last week the matmen went down to a depressing 26-12 defeat.

The team managed a sixth place finish out of eighteen teams at their tournament. Ken Walker salvaged the day by winning the 150 lb. weight class, pinning every opponent. A relative unknown took third for Caltech at 158 lbs.

This week the wrestlers pay their Piper in two important conference matches: Wednesday’s Pomona match will be past history by press time, but the matmen will also travel to Redlands Friday night. The question of the week is: Who will wrestle Axel Borg?”

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