The Core Is Hot

The Berkeley scientists have determined the melting point of iron at pressures greater than those within the earth's core—pressures than even achieved in the laboratory.

For higher pressures—up to about 3 million atmospheres—the researchers measured the melting point of iron at pressures greater than those within the earth's core—pressures than even achieved in the laboratory.

Since iron is the main component of the earth's core, the scientists were able to use this research to explore the structure of the core. The core is divided into two layers: the inner core and the outer core. The inner core is solid, and the outer core is slightly liquid.

The researchers also found that the temperature of the core increases with depth. At the center of the earth, the temperature is about 5,000 degrees Celsius. This heat is generated by the decay of radioactive elements within the earth.

The findings of this research could help us better understand the processes that occur within the earth's core, such as the generation of the earth's magnetic field and the behavior of the iron-nickel alloy that makes up the core.

References:
Ditch Day Central

To The Editors:

Like most everyone else on campus, we in the Public Relations Office always have a great deal of fun on Ditch Day. So do the news media, who descend on campus in droves. In years past, however, we have always had difficulty in providing an efficient source of information to the media and to the campus community on such matters as the locations of the most inventive or photogenic stacks, up-to-the-minute reports on efforts to break particular stacks, the locations of seniors tied to trees, and so on.

So I came up with an idea I call “Ditch Day Central,” and I’ve spent the past few weeks discussing it with various groups of students, including most of the ASCIT leadership, the Interhouse Council, and the Senior Class President. These groups have made a number of valuable suggestions that I’ve incorporated into the plan.

Thanks to the generosity of Ken McGuire, Ditch Day Central will be located in the Y Lounge. My assistant Jacquelyn Dreher will staff Ditch Day Central. Several others from the PR office, myself included, will be walking through the houses and around campus.

Helsinki

from page 2

following the progress of stacks and planning in reports. We encourage everyone else to phone in with Ditch Day Bulletins as well—we can’t be everywhere at once and sometimes things happen very quickly. The campus extensions will be x22 and x2138.

We encourage all students, both seniors and underclassmen, to take creative use of Ditch Day Central in planning and breaking stacks. For example, we would be happy to post requests from underclassmen for needed items or information and do feel free to visit.

Finally, let me list a few things that Ditch Day Central is not. It is not an attempt by the PR office to co-opt Ditch Day. It is not an attempt to control Ditch Day or to show it is done. It is not an attempt to organize the random chaos that has always been an essential part of the fun of Ditch Day. I appreciate pranks as much as anyone. Ditch Day Central is an attempt to centralize and better manage the news coverage of this unique Caltech event.

I welcome your comments and suggestions.

—Robert Finn x2631
Acting Director
Media Relations

THE CALIFORNIA TECH
VOLUME LXXXVIII • NUMBER 24
17 APRIL 1987

Jr. 2

THE INSIDE WORLD

Black: Ghost Writer

CHIEFTAINS
Ken Haynes • Michael Keating Jennifer Low Evert Hulin • Nancy Drehwing PHOTOS
Jocelyn 

PRODUCTION
Nick Sunderland • Helen Teiser

ROD DOCENT
Jay “Stinker” Lieske

RUTHLESS PEOPLE
plus “Snookles”

BAXTER LECTURE HALL
7:30 & 10:00 p.m. 
$1 for ASCIT members
$1.50 for others

NEXT WEEK: "Real Genius"

RUTHLESS PEOPLE
Mexican Restaurant & Cantina
Relax and enjoy HAPPY HOUR with us!
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HAPPY HOUR: Mon.-Thur. 4-7 

HAPPY HOUR: Mon.-Fri. 3-6 

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and every minute that this drags on the Soviet Union, that was the Soviet Union. Zimmer man had told a pack of lies. But furthermore, we are to stand for human rights violations in and honor of victims, let us also stand for the millions of Jews who are unemployed. Let us stand for the millions of Jews who are unemployed. Let us stand for the millions of Jews who are unemployed. Let us stand for the millions of Jews who are unemployed.

He started listing this litany of horror, this was how theytheros responded to charges of genocide, he said, “I can’t even attempt to tell you that.”

See also nothing about persecution of Catholics helped me understand something that I’ve long suspected: when Jews have asked about the Holy See’s relative silence during the Holocaust, it was usually perceived as antisemitism. I tend to think that it is quiet when anybody is persecuted, and that anyone who says otherwise is a defense and an accusation. It’s a defense of specific antisemitism in the Holocaust but it is also an indictment on its lack of moral vigor when anybody is being persecuted.

Mr. Prager told a few vignettes, one about the ambassador from Liechtenstein (a country of 65 square miles next to Switzerland).

“Ah, Ambassador Warren Zimmerman, the head of the U.S. delegation, gave a speech on November 14 which was entirely devoted to giving the names and places of Soviet victims of oppression. He gave case after case with their addresses, and if they existed, their phone numbers. So I was sitting there wondering how the Soviets would respond. But before that, he’d happened an amazing thing occurred.”

Prince Myskhyin:

“The Liechtenstein ambassador asked the chairman for permission for everybody to stand for a minute of silence honoring all these victims listed by Ambassador Zimmerman! And I loved that moment, it was precious. It was a moment when reality and utter non-diplomacy to the point of Dostoevsky’s idée fixe’s nature had actually entered the room. The man had reached his total non-ideological— even the Americans were stunned. The Soviets stand up for victims of their own govt’s callings. It was a real likelihood. So there was silence, a moment of silence for me. It was precious, I really could not help smiling. No one else smiled, because diplomats learn not to smile or grimace.

There was a hubbub at the chair. They mumbled something back about having to check the rules on this very unorthodox request, that they simply don’t know the rules, and that they’d get back to him later, hoping the ‘don’t call us-will call you’ approach would work. But the Liechtenstein diplomats haven’t backed down from their ruling. So there’s more hubbub,
by Nick Smith

Mister Almost Right

Directed by Susan Seidelman
After World Science, Re-Animator, and all of those other strange films, Making Mr. Right seemed likely to be a rip-off of a lot of things. Oddly enough, it's more succesful than expected. It's about an android designed to operate on deep space exploration missions. It works, but the problem is to convince Congress not to cut off the funding too soon. The solution: hire a PR firm to sell the idea to the American public.

That's the only really weak point in the entire film: the PR firm is run by a woman, Frankie Stone, who seems totally unsuited for the job. She has never marketed a product, run a political lobbying, let business and her personal life mix, and seems totally unlikely to be the leader of a small-but-powerful PR firm. However, Ann Magnuson, who plays the role, looks like something that would happen if Shirley McLaine were a young, power-hungry yuppie. Then, of course, there's the android.

Ulysses and his creator are both played by played marvelously by John Malkovich. The android requires a lot of physical humor, and the scientist almost a physical humorlessness. Both lead to slapstick scenes, and both lead to characters with whom an audience can empathize. Of course, the fact that the scientist designed the android to look like himself helps to bring about much of the humor, but it also emphasizes how much the android is the child of the man, the child who must accomplish what the father wants. It's all either of them have.

Much of the movie is predictable once it gets rolling, but the whole thing is enjoyable, even in the least believable scenes. (For instance, one of the running gags has to do with the fact that the android has an internal reset switch that needs to be fiddled with occasionally. Unfortunately, that doesn't make sense for an android that is supposed to operate alone in space for seven years at a time.)

The unfortunate stereotype of the African-American comedian who helps make millions for somebody else is carried on here, but it's actually part of the plot. This scientist is a social maladroit, but he'd be the same thing if he were an accountant. He's very much alone, and plans to be that way forever, if he has his way. And so what if someone else makes the money? He's making the future, at least the one he wants to be in.

Director Seidelman, who also directed Desperately Seeking Susan, has got together a film that relies more on visual appeal than logic, but it's pretty good. Making Mr. Right is worth seeing, if you can put up with the sillier parts.

Food In Old Pasadena
Merida, Kashiram, Fast Taco

by Nick Smith

The PR firm, infinite salad, peta
~easonable and
I
and
butte~
g~ench
b~ead
looks now. (For those of you who
a mixture of nice old buildings,
disgusting old buildings, new park­
ing facilities, and remodeled
buildings with "yuppie" written all over them. The good news is that
some of the new things moving in­
to the area are worth noticing. For
example, there is a new, six-screen movie theater that shows good
films, with a promise of more
movie screens being built in the
vicinity. Even better, the Old Town neighborhood is becoming hip­
dep in restaurants, and some of
them are very good. The whole
thing is worth a trip now and then,
or a side trip if you are going to the
movies over there. For example:
Merida, at 20 E. Colorado,
tucked back in a remodeled set of
buildings that includes an Italian ice
cream salon, a video store, and a
beer company. The food is a wide
variety of Mexican food, including
a lot of seafood dishes and things
from the non-border areas that
rarely show up in most American­
style Mexican restaurants. The food
is good, and very interesting.

The prices are reasonable. Two
problems: the place is too crowd­
ed at busy times, and the service
sucks rocks. If you go there, try it
at odd times. At standard lunch
and dinner times, you'll have to
put up with very slow service and waiters
who vanish for too long at a time.
Kashiram, at 12 N. Fair Oaks.
A variety of foodstuffs from
India, including tandoori and
curry dishes. For a cheap place to
eat, but worth going to for a special
dinner or exotic occasion. Lunches
and weekend brunches aren't
expense for what you get, which is
very good food. You do not get
huge quantities, but the service is
good, and you are asked what level
of spiciness you can tolerate, so
that the chef can prepare something
you can eat and survive. Be warn­
ed! "Very spicy" means very spicy.
If you are not used to spicy foods,
try the milder versions.

Fast Taco, at 37 S. Fair Oaks,
is not the little hole-in-the-wall
restaurant that's been there for
years. Fast Taco is new, clean, and
good. It's kind of strange, too,
since it has a trendy neon sign on
the wall, and the radio was playing
country-western music when I
went in (marimbas, it wasn't). The
food is cheap and good, surprising­
ly so. For $1.75 you can get a soft
taco with a choice of fillings, as
well as in some nice chips and
great salsa. For tacos and burritos
($3.50, and huge), you can get
chicken, steak, pork or seafood
(shrimp, when I was there) fillings.
In addition, the menu includes
nachos, fajitas, broiled chicken,
and other good stuff. The most ex­
pensive meal on the menu is $5.95.
For $4.25 I got a seafood burrito
combination plate, which included
the aforementioned huge burrito,
above-average rice, beans heaped with cheese, and a salad with
tomatoes, lettuce and sour cream.
The burrito itself had shrimp,
tomatoes, onions and guacamole in
the filling, and was worth the
price. The dessert menu isn't much
(flan is flan—either you like it or
you don't), but who goes to a place
like that for dessert, anyway?
There's a good dessert place right
around the corner, so unless you
really like flan, don't bother.

Anyway, Fast Taco has about 20
soft drink varieties, and at least a
dozens of types of beer. Overall, a
real bargain, especially since they of­
er a 10% discount for various
school ID's, including Caltech.

For dessert? Oh yes, the
dessert market), but very good.

Happy eating!
The Inside World

Blacker: The new management would like to first sincerely apologize for the content and attitude expressed in the last several Blacker inside world submissions. Sorry Susan.

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Fleming: A conscientious effort will be made this week to keep offensive material out of Inside World.

Dabney: It was nearly 2:00am in the subbasement of Dabney Labs. All the doors were locked, all the rooms were dark—except for one. In this puddle of light in a desert of darkness, everyone who was known to the DabniCorp computers as "1573429613-IGroff, Shane." It

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Terrorism

from page 1

"an arms race mentality" involved in terrorism-capable weaponry, and the defensive side is losing Detectors are advancing rapidly, but such developments as plastic pistols and remote detonators remain ahead of detection capability.

In the recent case of a bomb planted by a man in his girlfriend's carry-on bag, the bomb was detected before it was placed aboard an El Al jet not because of plastic sniffers and X-rays but because a security guard had a "pat feeling" that something was wrong. This is an area where great improvement is possible.

Terrorist Motives

Fourth, if you have the ability to figure out what motivates terrorists, to identify them before they act, and to counter their weaponry, what steps do you actually take to put this ability to use?

Several approaches are necessary: efforts need to be made to obtain a consensus among our allies to stop terrorism. In addition to their fear of retaliation, several of our allies have economic ties to countries that sponsor terrorism, which adds to their reluctance to put pressure of any kind on them.

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front page 2

against the Soviet, and on that basis they had charged we forced their ballerinas to dance on glass."

That's true. But they will add, "We put pressure of any kind on them.

countries that sponsor terrorism, are allies to stop terrorism. In addition to their fear of retaliation, several of our allies have economic ties to countries that sponsor terrorism, which adds to their reluctance to put pressure of any kind on them.

For another example, U.S. policy is to try to end the epidemic of death and injury on noncombatants, but the U.S. has supported a number of governments and groups at whose hands noncom- batants have died, and on Libya a year ago was directly responsible for some noncombatant deaths.

Long's response was not to say that this or that group are "freedom fighters," not "terrorists," nor to deny that noncombatants have been killed ("for every incident you cite [of killings by Israel] I could name all but one of them, this is my business," rather, he repeated the statement that "politics is the art of what you can get.")

Terrorist Vacuum

Efforts to end terrorism do not take place in a vacuum, for you have to press where pressure is politically possible, and where pressing will not cause more problems than it solves.

Not only is it easier politically for the government to put pressure on, say, Libya than on the United States, but also the perception in the Administration is that pressing Libya is harder. This is because Libya is more susceptible to specific action, that is, it looks to us as if it is a smaller threat. Hence, and we only lost one person. Amazing.

In the Soviet Union, you have the right to agree to sex with any IHCperson who is willing to change and vote in favor of no gag rule. I don't work you get a check. ii's a very big difference! This isn't a defense work you go to prison camp.

For years, I have been hearing "There's an addition to this-" from page 2...
from page 8

More Holes In Your Head
Ear piercing is now available for students only at the Health Center. This service is offered on Monday, Tuesday, Thursday and Friday evenings by appointment only. To schedule an appointment please contact Linda Pinnon, L.V.N., at 9:30 pm (except Wednesday) at x4079. The cost (including earrings) is $5.

Irish Dutch Exhibit
The premiere exhibition in the United States of a collection of seventeenth century Dutch paintings selected from the National Gallery of Ireland will be on display at the Bowes Museum in Santa Ana from April 11 to May 31. This is the only western showing of this exhibit, and was arranged under the auspices of the Bowes Museum in England. The museum is at 2002 N. Main St. in Santa Ana, and admission is free. Tuesday through Saturdays, 10 am to 5 pm, Sundays noon to 5 pm.

Become a Zoo Docent
Los Angeles Zoo Docents provide tours to students, teach youth and adult workshops in the zoo, and present classroom programs in Los Angeles area schools. Applications are now available for the Fall 1987 Provisional Class scheduled for 9:30-10:30 beginning October 9, or the Saturday class beginning October 10. Deadline for applications is May 1. Interested men and women should call the Greater Los Angeles Zoo Association at 333-644-1500.

Attention Hungry People
The Red Boot Cafe is happy to announce that the Cafe will be open on Saturdays from 12 to 5 pm to serve its traditional fresh coffee, tea, espresso, juices, and delicious baked goods and Soft Ice. So come bring your appetites and ideas to the Red Boot Cafe.

Reggae Festival
Friday, May 1st is the date of the First Annual Cal State Northridge International Reggae Fest. Guest include England's premier reggae vocalist Peter Mungo and Tippa Irie, along with Temple of Rhythm and Raver State and KRAZY DJ Roberts. Tickets are $5. There will also be arts and crafts booths. 7-9 pm at the CSUN Student Union.

Southwest Museum Exhibit
The Southwest Museum has brought a new exhibit to the Southwest Museum located in Los Angeles County. This exhibit features the Legacy Show currently at the Smithsonian, consisting of masks, sculpture, serigraphs, and prints by and about Northwest Coast In¬dians. The Legacy Show, from the Provincial Museum in Victoria, B.C., focuses on the work of contemporary artists, but inc¬ludes some last century pieces.

Ebell Scholarship
Undergraduate students living in Los Angeles County who have a minimum GPA of 3.25 are eligible to apply for the Ebell of Los Angeles Scholarship. Further in¬formation and applications are available at the Financial Aid Office, 12-63. Deadline is April 30.

Attention Writers!
The Literature faculty is proud to an¬nounce for 41st Annual Malcolm McKeown Competi¬tion. The Mary A. Karl McKeown Prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as undergraduates are eligible to enter the competition. This year three prizes will be given in three categories: poetry, prose fiction, and non-fiction essays. All manuscripts must be typewritten and double¬spaced. The poetry category, entrants may submit up to three poems. Submissions of prose fiction should not exceed 12,000 words. Essays may be one part of a bifurcated class or a good piece of original writing on a topic relevant to the humanities. Prizes in each category will be $300.

Each student is entitled to only one ent¬ry in each category. All contestants must submit their work to Professor Janice La Bella, Division of Humanities and Social Sciences, by no later than 30 April 1987. No entries will be returned. Each category will be judged by a three person committee from the Literature faculty. Essays will be judged on the quality of thought and the ef¬fectiveness of the writing. Winners will be announced the last week of May. The names of the winners will appear in the commence¬ment program. There will be an Awards Banquet on May 28. The Committee may divide the awards in any of the categories in case of a tie or no outstanding entry. Previous winners in any one category are not eligible for the competition in that category.

If you have any questions, contact Dr. La Bella, x3306, or Betty Hyland, x3809.

Money From Space
The Student for the Exploration and Development of Space are offering a $1,000 scholarship for 1987-88. The school in California or current graduate students can apply for the Jake Gimbel Scholarship Loan. It is a 10-year maturity loan. To be eligible you must be male and a U.S. student. Applications must be returned to the Financial Aid Office, 12-63, by May 15. Further information is available.

Still More Money For Women
The Business and Professional Women's Foundation has two financial aid programs available. The Loan Fund makes loans for $500 to $5,000 available to women in their final two years of any engineering program. The Scholarship Program is for women 25 years or older in the last two years of their program of study and those whose financial need. These awards range from $500 to $1,000. Deadline is May 1. Further information is available in the Financial Aid Office, 12-63.

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Special Student Prices are also available on these other exciting Zenith Personal Computers...
Caltech's number one player Mark Holdsworth races frantically to pick up a well-hit ball, making a difficult shot look simple and graceful with a combination of finesse and form.

Beavers Battle Well

by Tung Yin

The Caltech Men's Tennis Team drove to the San Diego area to play against Point Loma last Saturday, only to lose by a very respectable 4–5. Coach Jackson was pleased with the level of play of the Caltech team, especially the first doubles team of Raleigh Chiu and Mark Holdsworth, who showed their difficult match.

The team plays Point Loma again this Saturday at home. If the team plays well, a 6–0 sweep of the singles matches is possible. On Tuesday, the team faced the Claremont-Harvey Mudd racket-swingers at home. The team put up a good effort, but the Claremont team is ranked among the top ten Division Three tennis teams in the country. Still, Mark Holdsworth (#1) played very well and forced the second set of his match into a tiebreaker. It was a very respectable showing since his opponent is ranked high among the Western Division Three players.

On Tuesday, the team will play Cal State Bernadino at home, and on the next Saturday will be a final match against La Verne at La Verne. The SCIAC tournament will be held on 1 May and 2 May, at Caltech.
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