Wells Plans
Bylaws Changes, Election Reform
by Tom McCabe
Asst. Provost Bert Wells is to come up with several ideas to "clean up" the ASICT bylaws in its term. Most of them are minor changes and he doesn't expect to have any problems in implementing them.

One change is to make the teaching Quality Feedback Report an official ASICT publication. This would mean that all the feedback forms would come from ASICT and that any QFR letter would be a salaried position, as is the case with both Big T and the California Tech. In the past, the Dean's office has put out the QFR to volunteers. Wells thinks that this may require a bylaw change before it can be done.

A second change is the subject of rumors of electioneering at constituent college boxes in one house during recent elections. "I have to emphasize that these are only rumors," Wells says. However, he would like to see the election procedures changed so that the words "secret ballot" are somehow included.

Continued on Page Eight

Prize Scholarship Program Offers $50,000 In Aid
by Kevin Drum
Some $50,000 in scholarships will be awarded this year under the Caltech Prize Scholarships Program it is announced Monday. Applications for these scholarships, which will be awarded strictly on the basis of merit rather than financial need, may be picked up in the Dean's office and must be returned by next Friday. According to Dr. Gary Lor­den, chairman of the Financial Aid Committee, the money for the scholarships will be divided between the Freshman Admis­sions Committee for distribution to incoming freshmen and the Financial Aid Committee for distribution to upperclassmen.

Continued on Page Nine

Dr. Arie Haagen-Smit, Caltech Prof Famous for Smog Research, Dies At 76
by Henry Fuhmann
Within the last two weeks, two professors at Caltech have died. They were Dr. W. J. Haagen-Smit, Dr. William Lacey, and Dr. Don M. Hase.

Dr. Arie J. Haagen-Smit, Cal­tech professor of bio-organic chemistry, emeritus, and a pione­er in the study of air pollution, died of lung cancer on lach 18. A distinguished scien­tist, he was the first to introduce the chemical composi­tion of smog. He died at home in his sleep at age 76.

A native of the Netherlands, Caltech faculty for 40 years, he was a leader in the battle against air pollution. He was a virtual war "veep-man" in seeking the development of Federal and state standards and new controls for controlling polluting emissions from industrial sources and motor vehicles.

Continued on Page Twelve

Frosh Applications Up, Test Scores Down
by Alan Silverstein
A year ago a good plurality of you reading this were scattered around the world anxiously awaiting word from a couple or more colleges whether or not you had made the grade. Now that you've become insiders, and a year's gone by, it's probably time to look behind you to see how many of us, the Admissions Committee and the Admissions Office are in the middle of their annual prime time, and this year they could, in time, like the ten percent of the Freshman class graduates with honors, the financial aid committee...
Honors at Graduation

The Faculty Board met Monday and voted to table a proposal that would have raised the GPA needed to graduate with honors from 3.2 to 3.5 (see story page one). This decision came on the same day that 54 Caltech students were declared ineligible to register for third term because of academic difficulties. It seems like an eerie coincidence.

The decision has brought with it several reactions, some agreeing, some not. There seem to be two schools of thought. The first, supported by ASCIT President Bert Wells and one-third of the editors, is that graduation with honors is not a terribly important thing. It doesn’t mean anything to the outside world so there is no reason that a large number of students shouldn’t graduate with honors. They are among the brightest students in the country anyway and there is no reason not to try and make as many sets of parents happy as possible.

The other school of thought, supported by UASH Chairman Charles Wiltz and another two-thirds of the editors, is that graduating with honors is something that may mean something to many people. However, whether or not that is true, they feel that by honoring over half the students, it becomes a stigma not to graduate with honor rather than an honor to do it. They feel there is no reason to make so many people feel bad.

There doesn’t seem to be any general agreement on the question, including dropping graduation with honor altogether and having three levels of graduation with honors. There will be a faculty discussion of the problem sometime in the near or not-so-near future. If you feel strongly about it, try to let UASH or ASCIT know how you feel, don’t ignore it as having three levels of graduation with honors. There will be a faculty discussion of the problem sometime in the near or not-so-near future. If you feel strongly about it, try to let UASH or ASCIT know how you feel, don’t ignore it as having three levels of graduation with honors.

For details on the class, see the March 11 edition printed in the Horsemanship class.

Chi in hopes of getting it started physical education class. But we basically never heard from anyone again. And, he didn’t have the authority to start new classes anyway.

Giving Tai Chi Ch’uan is a Chinese exercise system which activates the body emotionally, and mental well-being. It shouldn’t be in the curriculum. What if some Caltech students can find a way of feeling the sensing device? Would all of the expense be a vain? For the time being I prefer to rely on Caltech’s honor system and some closer checking of persons existing the library. If everyone cooperates we will need such elaborate and costly devices.

Johanna E. Talman
Director of Libraries

Our new back entrance for picking up orders

1076 E. Colorado
449-1488
All the News That Fits

Page Three

Friday, April 1, 1977
THE CALIFORNIA TECH

You Have

I

The deadline for senior photographs is April 13. No photos will be taken after that date. The photos should be about 3" by 4" and in black-and-white. Please include time, option, and hometown information. The pictures will be turned in to Stan Cohen; Dave Wheeler in Ruddock or the Placement Office, 8 Dabney Hall. The deadline for senior photographs is May 1.

Interest in Employment?

Are you interested in employment full-time, part-time, summer? Do you need assistance in writing your resume? Are you interested in salary offers as posted from the College Placement Association? Would you like to receive a copy of the College Placement Annual 1977? I would like you to receive employment and salary offers as posted. The deadline for senior photographs is May 1.

id Cross/Caltich food Drive

The annual Red Cross/Caltich food Drive will be held on March 13, 14, and 15 in Mary Lounge from 11:00 a.m.-1:30 p.m. Last year we had a tremendous turnout, and this year we will have an extra day of additional beds to accommodate the large participation that is expected due to an added unlimited donation: a keg of beer. That’s right—someone has decided to donate a keg to the student house that successfully gives the most pints of blood during the Drive. So, me on down that day and roll your sleeve—and perhaps your face will be rolling out the keg base set up an appointment to receive the donation. Call Connie Iden, extension 2374.

undergraduate Summer research Scholarships

The Physics Department has arranged a small grant for the lattice Foundation to pay the expenses of undergraduate students engaged in individual research projects. At least six scholarships will be available; each provides $1000/week ($800/week for up to ten weeks). Undergraduates who wish to apply should submit an application form to T.A. Tompkins (106-B) before April 15. Applications will be picked up at the Physics Office (103 E,

Milikan Book Sale

A Milikan Library-sponsored book sale will be held today in the Milikan Board Rooms from 8:30 a.m. to 1:30 p.m. Most items will be 25 cents.

Guitar Classes

Caltech will again offer classical and flamenco guitar classes with guitarist Darrel Denning on Tuesdays, starting April 5. Classes will meet in Fleming music room, with beginning section at 4:30 p.m. and the intermediate section at 5:30 p.m. Classes are free of charge. Private instruction can also be arranged. For further information please call Mr. Denning at 650-1692.

For Honor Film Buffs

Professor Roman Gubern from Barcelona, Spain is at Caltech for the Spring quarter. An expert on the history of the cinema, he will present an unusual two-hour weekly lecture-discussion meeting as part of Art 101, and a film show every Monday evening at 7:30 in Baxter Lecture Hall. The evening showings will be open to all members of the Caltech community.

Free Money Awarded

All organizations desiring information about ASCIT funding should see Mike Schwartz, 8 Dabney, before April 15.

T'ai Chi Ch'uan

We will be starting classes in T'ai Chi Ch'uan as soon as we can after a lecture and demonstration this Sunday evening, April 3 at 8 p.m. in Baxter Lecture Hall. The demonstration and class will be led by Daniel Lee of JPL, who is quite a phenomenal instructor. He won the National Golden Gloves Championship of China in 1948. He has a black belt in Karate and a brown belt in judo. He has an instructor rank in JKD (Jeet Kune Do—the way of the intercepting fist), a Chinese non-classical Kung Fu system conceived by the foremost martial artist Bruce Lee. Dan has had many years of intensive study in the theory and practice of T'ai Chi under numerous masters from China. Beginning classes will probably be on Wednesday mornings at 6:15 a.m. Classes will probably begin three days after the demonstration. Don’t forget! Sunday at 8 a.m. in Baxter. Admission is free and those interested are more than welcome. If you have any questions, or want to take the class but can’t make it to the demonstration, call Moses Ma at 792-0856.

Fools

Today’s Noon Concert features a comedy by “War Babies.” The April Fools’ Day entertainment is sponsored by the Caltech Y, ASCIT, and the CCF.

Get out and Pitch In!

National College “Pitch In!” Week sponsored by Budweiser and ABC Radio is April 18-22. All you have to do is get out and Pitch In! Get your fraternity, sorority or organization to pick up or paint up on campus or in your community. Then document your efforts with a photograph, press coverage, reports or diaries.

Your group can really aid the community, and the best projects are eligible for some terrific educational and commemorative “Pitch In” T-shirts. So, get out and Pitch In! Make this year’s campaign the best ever.

For more information: Contact your Dean of Student Activities or write to “Pitch In” Weeks, Dept. C, ABC Radio, 1303 Avenue of Americas, New York NY 10019.
ALL THE NEWS THAT FITS

Continued from Page Three

Big T

There will be a meeting this Saturday at 2 p.m. in the Tech offices for anyone interested in joining the Big T staff for the 1976-77 Big T. Please feel free to drop by if you are at all interested in joining. It would also be appreciated if those people doing the house sections would contact the Big T and let us know who you are.

Mexican Lives

This week, Cineamatech opens its spring series with two classic Marx Brothers films, "Duck Soup" and "The Cocoanuts." Show starts at 7:30 p.m. Saturday in Baxter Lecture Hall. Admission is $1.50 general, $1 ASCIT, and $0.75 for children under 14.

Recruiting on Campus

Four organizations will be recruiting on campus for employment during the month of April. On April 27, U.S. Navy Officer Recruiting will be interviewing BS and MS candidates in Engineering and Science. American Hospital Supply Corporation will be on campus April 6 and 7 to interview BS and MS candidates in Mechanical Engineering, Electrical Engineering, Biology and Chemistry. On April 11, the Ryan-McFarland Corporation will be interviewing BS and MS candidates in Computer Science. PhD candidates in Chemical Engineering may sign up for interviews with Hercules Incorporated on April 25th. If you have any questions concerning these organizations or if you wish to sign up for an appointment, call or drop by the Placement Office, 8 Dabney Hall, x3262.

Student Shop

The Student Shop will hold a meeting of all members on Saturday, April 9, at 1 p.m. Election of President/Treasurer for 1977-78 will be held at that time. If interested in running, contact Doug Carlson at 587-1672 any morning of the week. Also, the shop and the storage lockers will be cleaned up. If your locker hasn't been re-labeled, show up and claim your stuff. Refreshments will be served.

Continental's Take Off and Put On

We take off 28% and put on lots of extras every where we fly.

Whenever you take off on Continental, we'll take off 28% from the cost of a regular round-trip Coach ticket to all our mainland cities with our Economy Excursion Fare. It's a great way to keep your money in your pocket.

Then sit back and watch Continental put on a show.

We've put the Pub on our wide-bodied DC-10's, with electronic PubPong games and free re-condensed double feature films, old-time newspapers and your favorite animated cartoons. You can also put on the feedbag for only a dollar with our Good Times Snacks.

On our spacious, wide-look 727's you can put on your headset and enjoy the free stereo entertainment. There's overhead storage plus a middle seat in Coach and Economy that folds down when unoccupied so you can relax or spread out the books. Call Continental or your Travel Agent and ask for our 28% Economy Excursion Fare. Continental will provide information concerning specific flights and number of seats available. Please note your ticket in trip in advance of your trip.

The Supreme Court upheld the "Miranda Rule," by a 5-4 vote, which surprised many who gain arms control agreements states had urged the court to abandon the rule, which limits police questioning of suspects without the presence of counsel.

Organized labor suffered two defeats this week. The House defeated a bill which would have allowed our labor union to shut down an entire construction site even though it was picking only one subcontractor. The next day, President Carter called for an increase in the minimum wage to $2.50 per hour rather than $3.00, as endorsed by the AFL-CIO.

Former President Gerald Ford claimed Sunday that Pentagon "inflexibility" was a major factor in his failure to gain arms control agreements with the Soviet Union. On the same day, Secretary of State Cyrus Vance stated that significant cuts in nuclear arms is essential for serious reduction of the arms race.

Indian Prime Minister Indira Gandhi went down to an overwhelming defeat in India's first free elections in over two years. She was succeeded by S.I.y-2-old Moraji Desai, leader of India's Janata Party. Desai had previously spent nineteen months in jail during Gandhi's emergency rule, which she lifted earlier this year to allow the elections.

The L.A. Times reported that it has learned that the Pentagon is working on a program to develop a missile which can knock a Soviet satellite out of orbit. The report came from a classified report obtained by the Times.

Two 747 jumbo jets flew on a runway in the Canary Islands killing 574 passengers and crew members. It was the worst disaster in aviation history.

"Rocky" won the Academy Award for Best Picture Monday night while the late Peter Finch and Faye Dunaway won best actor and best actress for their roles in "Network." Beatrice Straight was awarded an Oscar for best supporting actress for her role in "Network" while the best supporting actress award went to Jason Robards for his portrayal of Washington Post Executive Editor Ben Bradlee in "All the President's Men."

President Jimmy Carter announced that he will accept an invitation to resume talks with Hanoi that might lead to normal relations with Vietnam. The talks will take place in Paris.

Continental Airlines
The Proud Bird with the Golden Tail.
Entertainment Calendar

Friday, April 1
For a fiery, fast-moving, fun-filled show, don’t miss the spectacular Joe Molina Ballad Espagnetos, coming to Beckman Auditorium, for one performance only, tonight at 8 p.m. Joe Molina has been touring with his company of musicians, dancers, and singers for more than ten years. He was formerly first dancer with Jose Greco. Three dance forms dominate Molina’s work: “danza espanola,” flamenco, and then there is the folkloric, the dancing of the Spanish peasant, where we jump all over the stage.” “When I dance flamenco,” continues Molina, “I am in another world. I love the deep lament of the singer, the flair of the guitar, and the fireworks of the footwork.” The lavish wardrobe for this spectacular was created in Madrid by some of Spain’s foremost designers.

Student rush tickets will be available for one dollar one hour before the performance begins.

**

The Matrix Theater on Theater Row in Los Angeles will present a Friday night series of mid-19th century ragtime jazz-rock concerts titled “Midnight Jamboree.” Beginning TONIGHT this new concept late-night theater entertainment will feature, as permanent hosts, renowned musicians Bob Goldstein and Mary Margaret Phillips, and also Barry Dennen. The Matrix Family band, a five-member musical ensemble, will perform in the areas of comedy, music, and mime, and mime will be set to music on a weekly basis. For ticket information and reservations, contact the Matrix Theater, 7657 Melrose Avenue, or call 825-9411 or 653-9725.

Sunday, April 3

This Sunday, at 8 p.m., in Debye Hall Lounge, the California Dodgers Reel Quartet will give a free public recital in music centered around the life and work of the Spanish Romantic composer, Francisco Tárrega. The program includes Tárrega’s “La Cariñosa,” Opus 95, No. 1 and his Variations on “A Fifth of May,” Opus 22, No. 4, along with works by Chopin, Bach, and Beethoven. Refreshments will be served.

Wednesday, April 13

Tangel City and Christopher Harenberg present The American Films, opening in repertory at the Mark Taper Forum, by David Ritchie

The ASCIT Board of Directors ended second term with two rather unusual final meetings on February 24 and March 3. Various budgets were present for the discussion of a proposed ASCIT/GSC party and financial support for the Model United Nations. The summary:

President Bert Wells has brought up the matter of a proposed ASCIT/GSC party for third term. He has already met with G. C. President John Bloom to discuss the details. With last year’s party, the total cost ($900–1000) would be shared equally by both student groups. After a brief discussion of potential sites (including the Millikan Board Room and the Gym), it is concluded that Debye Lounge would be the most suitable place. Wells also mentions that the GSC is willing to let the BOD and the ASCIT select the band. The subsequent motion to advocate holding an ASCIT/GSC party is passed 3–0–2 (Sexton, Kaler, [to be held today, April 1] featuring “War Babies,” a comedy group. A motion is made and passed [Beaumont/Fisher: 3–0–2 (Sexton, Kaler)], but allocates only $200 to support the cost. The Tally addresses the matter of continuing complaints about the coffeehouse. First, no food or drinks, and secondly, no comic books. Schwartz says that the comic books seem to stem from the fact that the manager who previously ordered the food quit, leaving no one to order food. Schwartz reports that he has told them to get moving on the problem, but has received no reply.

BOD Discusses Model U.N., ASCIT-GSC Party,

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The ASCIT Friday night movie

THE MARX BROTHERS
At Cinematheque Tomorrow Night

THE ASI C FRIDAY NIGHT MOVIE

FIVE EASY PIECES

7:30 p.m. & 9:30 p.m. in Baxter Lecture Hall
ADMISSION: 50¢–ASCIT members
$1.00—anyone else

NEXT WEEK

Red Sun
Campus Architecture
Photos by
Ed Bielecki
Ray Gildner
Al Kellner
Still in Strasbourg, Mr. A is getting ready to take a four-week jaunt about Europe. Before leaving, however, he finds time to fill us in on the nuances of gender and foreign languages.

Former Tech. Editor-in-Chief Sandy McCorquodale is currently studying in France while on a year-long leave of absence from Caltech. Her far-flung adventures on the Continent occasionally appear in these pages.

One difficulty that English speakers have with foreign languages is coming to grips with nouns having genders, i.e. everything is assigned to this sex or that, on the other hand, if your language happens to have two.

A little logic can save a lot of useless mental work. Suppose we start with a rat (le rat), masculine. Our complimentary objects should now be feminine, and we do indeed find that a rat-trap (la piege) is feminine, and a mouse (la souris) is feminine. Given that cats are used for mousing, we find that a chair is indeed masculine but fall into the feminine, the French call it a rush, fauteuil.

On the other side of the Rhine, French tells us that arms, left and right, are masculine, but head is feminine. Idioms are another barrier appearance.

Men being gay old dogs.

As a dog is man's best friend, it should be concluded that cats and dogs are trivial compared to most Frenchmen being gay old dogs.

Of course, our language is continually changing. While Sears and J.C. Penney's make nary a show, Woolworth's is variously defined as being spritely, Piranese, and an Irish pet, similar French chain stores. Trump, Eisenhower, Kennedy, and a few others have had a view of the fate of that part of the French saucisses du peuple. But they do have a word meaning the same nuances as the English abattoir, which just goes to show that English will steal anything. Add - desinate contraventions and also one of the few words in English with the accent on every syllable. Banner headlines are du plaire flambousants, flambousay literally meaning flaunting, blazing and flamy.

Even French law indulges itself at times. The crime of living on a prostitute's earnings is simply defined as super masculine.

But Serbo-Croatian grammatical problems make these Western concerns pale by comparison. It seems that when one is counting things in Serbo-Croatian, one does not always use the plural when there is more than one object. Let us count some roosters: 1 petao, 2 petei, 3 petei. 4 petei, 5 petei, etc. For one thing, you use the nominative singular, but for 2-4 objects, you employ the genitive singular and from 5 or up to twenty you use the genitive plural.

Very nice, but when 22 roosters, you even to the genitive singular up to 25, whereupon the genitive plural wins out. Oh yes, for 25 you use the nominative singular, for Simple, eh? It ends in a nominative singular, 2-4, genitive singular, 5-0, feminine plural; except for 11-14, which are all genitive plural. Hence, if I'm 12, you'll say for 12-13 to 15.

Let's try one more.

If it ends in I, see that typeface change. Nominative singular; 2-4, genitive plural (le rat-trap, la ratiere). That's when the ArtCarved representative will be here to help you select your custom-made college jewelry.

By Sandy McCorquodale

Editor-in-Exile

J'ai bu du Cafe Noir

TUES., APRIL 5, 1977

10:00 am - 3:00 pm

World-famous for diamond and wedding rings.

RING DAY SPECIALS

Save $5.00 Off Regular Price

Man's Traditional Ring

FREE Genuine Gemstone

Regular

$10.00 Value

Woman's Fashion Ring

These special offers are available on ArtCarved RING DAY only.

CALTECH BOOKSTORE

RING DAY

That's when the ArtCarved representative will be here to help you select your custom-made college jewelry on Master Charge or BankAmericard.

TUES., APRIL 5, 1977

10:00 am - 3:00 pm

World-famous for diamond and wedding rings.

FROSH APPLICANTS UP

Continued from Page One

Caltech is still 220, as it has been for several years. Despite recent talk about the increasing size of the student body, there is and will be a housing crunch for a white, so at a very predictable (based on precedent) "expected return rate" of 58%, that group of 380 prefresh who had, just the right number of frogs.

The Tech will continue to keep you posted on the Admissions story as it develops through third term, with the mailing of the offer letters and then the replies of the prospective Tedsen by May first.

BYLAWS CHANGES

Continued from Page One

Any amendment must be approved by several groups before it actually appears on the bylaws. First of all, the Executive Committee, if it supports it, must draft the final copy of the proposed change and recommend it, without any changes to the BYL, to the board. Thereafter, all the board does is vote on it, and if it passes, the amendment is voted upon in a campus-wide election. If two-thirds of the votes support the amendment, it becomes part of the bylaws. Wells hopes that his proposed amendments will be on the ballot in the class elections in May.
Y Sponsors Frosh Orientation

by Alan Silverstein

Add some spice to your life this week in the form of a variety of information from experts in several fields. Next week, the Caltech Y is featuring, in order to raise the following open forums for interchange of ideas, "National Energy Problems." This is the title of the talk to be given by Dr. Robert Seaman in the Y Lounge on Tuesday, April 5. If you follow outside events (in the real world that is), then you’ll recall that Dr. Seaman was the director of the Energy Research and Development Administration (ERDA) until recently. There could hardly be a better person for you to listen to.

CALTECH PRIZE SCHOLARSHIP PROGRAM

Continued from Page Eight

Meanwhile south of the Pyrenees—ever so near—enemies do exist and a fight for the islands’ independence from the United States. Amin is seriously studying the request, according to the report, and will bring it up with U.S. authorities and Third World leaders. Meanwhile in Honolulu, leaders of five Hawaiian native rights groups have discounted the Uganda Radio reports. Spokesmen for four of the groups said they weren’t looking for independence but that they were interested in the situation. If the United States had a legal communist party in Spain, is there any independent existence of its circumstances? From all of this I leave you to puzzle out the logic and perhaps the truth of it.

This week I leave you with a little program support might help you accomplish.

Caltech Y sponsors Frosh Orientation meeting (April 6). The committee will be appointed at this time. The self-help event at Caltech—the amount of money that students are expected to pay themselves through work or long-term loans—has stayed the same this year at $2200 for freshmen and $1800 for upperclassmen. According to Lorden, merit scholarships would be applied toward the self-help that a student is expected to pay so that the Prize Scholarship would not reduce the outside financial aid that a student might be receiving.

Caltech’s self-help level sets it in a fairly good position with respect to its peers. With the aid of a similar caliber, MIT, for example, recently raised its self-help from $2300 to $2500.

For the past four years the Caltech Prize Scholarship Program has been operating under a fairly low funding level of $5200 under the Carrington Scholarship program. Eight of these scholarships were given this year to incoming freshmen.

Troubles in Europe

When you are traveling in Europe this summer, you have run out of money and have no address to receive mail, you will think back on this article and wish you had paid more attention. Here’s why: you can be life-less to health and sanity when traveling, and there are ways to avoid it.

Carrying cash is risky, and personal checks will expire abroad, so without a doubt, travelers checks are the safest and easiest means of carrying your funds. American Express and Thomas Cook are the most common sources of travelers checks at a 1% charge, and Bank of America issues them without charge. In deciding what kind of travelers checks you should use, try to determine how widely the check is recognized and the number of offices the issuing agency has.

Buy your travelers checks in dollars rather than in foreign currencies, because you’ll get a better exchange rate if you convert the dollars abroad rather than changing your own currency and exchange your travelers checks readily, as will ship, air, train, or bus. It’s in the world, currency is available in exchange rate is much better than that in a bank. Try to avoid changing your currency in hotels or restaurants, where the friendly proprietor will pocket a service charge. In any case, keep a couple of dollar bills on you to cover emergencies where travelers checks are not accepted.

When you find yourself in Paris, just this side of Distillation, travelers checks or cash can be doled to you from the U.S. in care of a bank or an agency like American Express or Thomas Cook, or the foreign branch of your bank. For details on wiring money abroad, talk to the agencies that issue travelers checks about your local Western Union office.

Also useful in emergencies are credit cards, although they will be accepted only at the higher-

Continued on Page Twelve

THE CALIFORNIA TECH

Page Nine

Troubles in Europe

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Continued on Page Twelve
Ever notice how it's easier to ace the courses you like?

It finally comes down to commitment. When you don't like a course, it's hard to excel. The class gets tedious. The texts get boring. The lectures get dreadful. Your work suffers. And so do your grades.

Compare that with the courses you really believe in. You care more. You try more. And without even noticing, you just naturally do better.

It's true in school. It's true outside of school.

For example, we believe there's just one way to brew Busch beer. The natural way. With natural ingredients. Natural carbonation. Natural ageing.

We believe that's the best way to brew a beer.

And when you believe in what you're doing, you just naturally do it better.

Taste a Busch and we think you'll agree.

BUSCH

When you believe in what you're doing, you just naturally do it better.
Continued from Page One

The report showed that while the median GPA of graduating seniors has risen about .5 (from a B to a B+), the median GPA of all Caltech undergraduates has risen only .33 points in the 15 year period under study. Table 1 shows the grade distribution on a

### Table 1: Grade Distribution on a 4.0 Scale

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>GPA</th>
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</thead>
<tbody>
<tr>
<td>1960-61</td>
<td>22</td>
<td>31</td>
<td>23</td>
<td>5</td>
<td>4</td>
<td>2.83</td>
</tr>
<tr>
<td>1961-62</td>
<td>22</td>
<td>33</td>
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<tr>
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<td>2.93</td>
</tr>
<tr>
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<td>21</td>
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</tr>
<tr>
<td>1964-65</td>
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<td>32</td>
<td>25</td>
<td>6</td>
<td>4</td>
<td>2.98</td>
</tr>
</tbody>
</table>

The report also notes that the percentage of pass/fail grades has increased from 1960 to 1976, with 7% of courses offered in 1960 and 8% in 1976. This trend is consistent with the growing use of the pass/fail option by students.

### Table 2: Subject Year Upperclassmen GPA

<table>
<thead>
<tr>
<th>Subject</th>
<th>Year</th>
<th>% A</th>
<th>% B</th>
<th>% C</th>
<th>% D</th>
<th>% F</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Humanities</td>
<td>1960-61</td>
<td>34</td>
<td>40</td>
<td>21</td>
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<td>2.83</td>
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<tr>
<td></td>
<td>1961-62</td>
<td>36</td>
<td>34</td>
<td>22</td>
<td>4</td>
<td>2</td>
<td>2.88</td>
</tr>
<tr>
<td></td>
<td>1962-63</td>
<td>38</td>
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<td>22</td>
<td>3</td>
<td>3</td>
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</tr>
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<td></td>
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<td>35</td>
<td>22</td>
<td>4</td>
<td>2</td>
<td>2.96</td>
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</table>

The report suggests that the increasing GPA is due to several factors, including a greater emphasis on academic achievement and a more liberal grading policy.

### Table 3: Grade Percentages

<table>
<thead>
<tr>
<th>Subject</th>
<th>Year</th>
<th>% A</th>
<th>% B</th>
<th>% C</th>
<th>% D</th>
<th>% F</th>
<th>GPA</th>
</tr>
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<td>35</td>
<td>22</td>
<td>4</td>
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<td>2.96</td>
</tr>
</tbody>
</table>

### Table 4: Subject Year Upperclassmen GPA

<table>
<thead>
<tr>
<th>Subject</th>
<th>Year</th>
<th>% A</th>
<th>% B</th>
<th>% C</th>
<th>% D</th>
<th>% F</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
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<td>40</td>
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<td>35</td>
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<td>4</td>
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<td>2.96</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Subject</th>
<th>Year</th>
<th>% A</th>
<th>% B</th>
<th>% C</th>
<th>% D</th>
<th>% F</th>
<th>GPA</th>
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<td>4</td>
<td>2</td>
<td>2.83</td>
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<td>2.96</td>
</tr>
</tbody>
</table>

The report concludes that the increased GPA is due to a combination of factors, including a greater emphasis on academic achievement and a more liberal grading policy. The report also notes that there is a need for further research to understand the long-term effects of these changes on student performance.
THREE PROFESSORS EMERITUS DIE

Continued from Page One

Born in Utrecht, the Netherlands, Haassen-Smit earned a PhD in chemistry from the University of Utrecht (1929) and served on its faculty seven years. In 1936 he came to the United States to lecture at Harvard.

A year later, he joined the faculty at Caltech, eventually becoming professor of biochemistry in 1940. He was named professor emeritus in 1971. His career interest was in the field of plant physiology. His work included the isolation of the flavonoid components of fruits and vegetables, research with alkaloids of cactus that lead to their use in the treatment of rare diseases, and the study of plant hormones.

The photochemical oxidation of organics and nitrogen oxides that are formed in high temperature combustion is his work (he actually created smoke in a test tube) made it possible to attack air pollution. He concluded that the oil and automobile industries were its main causes. Then his long crusade, which earned him the title "Father of Smog," began.

Several major studies subsequently reproduced Dr. Haassen-Smit's results, yet it remained for him to prove the obvious. At first reluctant, he became a pioneer in seeking controls of pollution and took charge in a difficult situation. On one side he faced industrialists who called him "tough" and on the other he faced environmentalists who charged him with being lenient. From 1968 to 1973 he served as the first permanent chairman of California's Air Resources Board. He also headed President Nixon's air pollution task force. Throughout the often bitter fights, Dr. Haassen-Smit maintained calm, earning respect for his "competence, interest, and humanity," and honors for his work. These included nearly every major scientific award except for the Nobel Prize, which he actually received, not in guards of ecology. He was awarded the National Medal of Science in 1971 from the Smithsonian Institution, the $50,000 Tyler Ecology Prize and the Rhineland Award for Western Europe.

On scientific level, it was said that he "unquestionably knows more about airborne pollution than anyone else in the world. On a more personal level, Dr. Robert Sitehine, Chairman of the Division on Biology, said: "We'll all miss his humor, warmth, as well as his scientific contributions."

Dr. William Lacey

He was well-known for his studies of the properties of behavior, and the culture of rhodococci, which are of great importance to petroleum products and refiners, inc. very.

Advocate of the existence of cause-producing environmental health engineering, he had a major impact on teaching methods.

Lacey left his hometown of San Diego to attend Caltech, where he earned an AB in chemistry in 1913. He then went on to obtain his MS and Ph.D. degrees from the University of California before he came to Caltech in 1916. He served as professor from 1932 to 1962; he worked with A.A. Noyes and was professor emeritus in 1971.

Lacey served as dean of graduate students from 1946-56 and as dean of the faculty, equivalent to provost, during the year 1951-52. As one of Caltech's first reluctant, he became a pioneer in seeking controls of pollution and took charge in a difficult situation. On one side he faced industrialists who called him "tough" and on the other he faced environmentalists who charged him with being lenient. From 1968 to 1973 he served as the first permanent chairman of California's Air Resources Board. He also headed President Nixon's air pollution task force. Throughout the often bitter fights, Dr. Haassen-Smit maintained calm, earning respect for his "competence, interest, and humanity," and honors for his work. These included nearly every major scientific award except for the Nobel Prize, which he actually received, not in guards of ecology. He was awarded the National Medal of Science in 1971 from the Smithsonian Institution, the $50,000 Tyler Ecology Prize and the Rhineland Award for Western Europe.

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Continued from Page Nine

The California Tech tennis team was limited to one win in the first half of the season, but was a decided 72-24 defeat of Ambassador College. The closest match was 6-3 loss to LaVerne. The league is very strong this year, although Record points to the strong team.

Eric Peterson, a Page house freshman, has the best score to date in both singles and doubles with three victories. The team line up for singles is Tim Ahern (Senior, Fleming), Eric Peterson (Freshman, Page), Lee Paul (Grainger, Fleming), Dave Waxman (Senior, Aziz, Junior, Rudder), Kevin Ziegler (Freshman, Rudder), Dan Rimkus (Junior, Page), and Dean Brackett (Freshman, Fleming), and Tom. Paul Peterson, (Paul, Paul, Peterson, Paul, Peterson, Peterson) and others. The addition of Greg Earle, a freshman from Loyola, should strengthen the team as they try to look up to a few upsets in the coming matches.

Dr. Don M. Yost, professor of chemical engineering, died Sunday, March 27, after a long illness, at Memorial Hospital in Pasadena, known as a highly individualistic man, he was a member of Caltech's faculty for over 50 years. His work (he actually created smoke in a test tube) made it possible to attack air pollution. He concluded that the oil and automobile industries were its main causes. Then his long crusade, which earned him the title "Father of Smog," began.

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