

It Came Upon a Midnight Clear

## CaliforniaTe

Associated Students of the California Institute of Technology

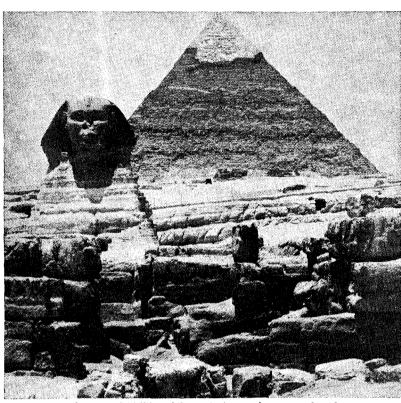
**And Ate** Everything in Sight

Volume LXIV.

Pasadena, California, Thursday, May 31, 1963

Number 30

## Desert Site For New Library



An artist's view of Millikan Library in its newly proposed arid environment. Note the statute of Dr. DuBridge in the foreground.

### Interchange Chases Tech To Mountains

In a surprise press conference tration, in forseeing this turn yesterday, Mr. L. O. Sebig, newly appointed Director of California highways, announced the condemning of the entire Tech campus for a new freeway interchange. It was decided to build the interchange, which will connect 13 yet-to-be-built freeways, in Pasadena because 90% of the Los Angeles area smog was there already and the State Commission decided the additional exhaust fumes would not be no-Caltech was chosen for the specific location as the most useless and undesirable property in the city.

Immediately after the announcement, President Lee Du-Bridge stated that the adminis-



"Math Bites!"

of events, had made preparations to move the entire school to some property Caltech already owns surrounding the Mount Wilson Observatory. He also stated that although Throop Half will be surrounded on all side by freeways, it will remain intact on a small plot of land beneath a proposed 14 level separation. Consequently it will remain in use as the campus administration center, as this is not expected to affect the administration's present efficiency. Parking for employees is the only remaining problem, though this has been solved preliminarily by reserving all the spaces in the student lot on Mt. Wilson. The PE department heartily endorses the beautiful aspects of the 25 mile walk. Also because the round trip from the parking lot will take 18 hours, the working day will be cut to 6 hours. This, too, is not expected to impair efficiency at all.

The other major problem caused by the switch, that of construction on mountainous terrain, has also been solved. The solution was discovered accidently by a freshmen who flunked Graphics by describing it on his final. The construction methods will resemble an upside down Beckman Auditorium. Each department will be housed in one of these structures, which will form a row a-

(Continued on page 2)

In a move unprecedented in Caltech's stormy history, a midnight skull session of a special Faculty Committee rammed through approval of the plans for the new Millikan Library. The architect whose plans were heartily endorsed by the commitee was none other than Caltech's finest, "Toughie" Wilcox. Father Doubted

The program calls for a building of eight stories, five above ground and three below. The top floor will be reserved for a penthouse overlooking the beautiful Pasadena basin-the penthouse has already been sold to Dr. D. S. Clark and family. The fourth floor has been designated for the new student bowling center and the second floor has been designed for a faculty rifle range. In betwen these two floor, on the third floor, will be the student study rooms. The main floor will be missing. Mother Cried

Beneath ground level, the stacks proper of the library will be located in the basement and sub-basement. In the sub-subbasement will be the librarian's office. Unlike many undergraduate libraries, Millikan will have open stacks but a closed librar-

for the Bahamas." an NSA grant and I'm heading staying around here! I've got replied, "Close! You think I'm event of such interest, Richter luck in being so close to an gratulated Richter on his good "Really care." When we conundergraduates. He replied, been made for the safety of the to provisions which might have Dr. Richter was questioned as

Gabriels." fill up this hole with the San in the L.A. Basin. May even Ought to level every building out to be of magnitude 20 or so. so on. Well, this one may turn 200,000 it is of magnitude 2, and the quake is of magnitude L out of their houses screaming, is based. If 100,000 people run "Kon sil know how my scale quantitative, Richter stated,

Asked to be somewhat more sudden. And watch out then," strength and then let go all of a like that, they build up in many years, and when they get a real snorter. It's overdue by tions, this movement should be Richter put it, "By all indicain the very near future. As bects a very large earthquake nounced yesterday that he exseismology laboratory an-Dr. Charles Richter of the

**luteel**0 reveled; ian. No opposition to checking out books will be encountered, but to take out a librarian a student must possess a Special "A" Sticker placed prominently on his forehead and an approval slip from Dean Eaton.

#### Daughter's Innocent

One surprise came with regard to the location of the new building. Due to the protests of various campus interests, the library will not be placed, as thought before, in the large quad in front of Throop Hall. The Institute was forced to place the new building on the last available plot of ground owned by Caltech, a 16-acre sheep ranch located eighteen miles north of Barstow.

#### DROPPED LOAD

(Continued from page 4) This cost will be made up by

raising the undergraduate's tuition by an estimated \$69 apiece. Undergraduates will not be allowed to participate in the pro-

gram at all. In fact T.P. will be off limits to undergraduates. This change will result in major alterations in campus activity. The Athenaeum will be moved to the Scott Brown Gymnasium and will be called the Jockanaeum. The building which is now the Athenaeum will be converted to a new Student House.

Bob Liebermann, ASCIT President, commented that this program is an excellent idea. He said. "I have always believed that P.E. is useless for undergraduates. Furthermore, I think we should cooperate and should avoid all physical activity." Liebermann's attitude has just recently been changed after he had to be reinstated after flunking two terms of P.E. while getting a 4.0 GPA.

### Egad!

(The Rest)

ed to the ME69 class, a senior seminar, who will re-assemble the statue during the coming year. Not only will the members of this class receive grades for their achievement, but they will also be granted special PE exemptions in order to finish the project in record time.

#### Burma Shave

When pressed by a member of the Tech staff, Director of Libraries, Roger F. Stanton, replied, "Yes. This library goes beyond my wildest dreams. They told me in college that someday I might be privileged to serve in such an important capacity. Why, I wouldn't give up my post here even to become Director of the Bronx Zoo."

The impressive statue of Dr. DuBridge, which is seen the artist's drawing to the right, was erected by 13 Italian Communist stone-cutters in Florence, Italy. DuBridge took time off from his French Riviera speaking tour to pose for the impressive marble statue.

#### But She Lied

The completed statue posed some problems in transporting it from Florence to Pasadena. The 13 Italian Communist stonecutters, led by their boss Luigi Schwartz, finally arrived at a solution. They chopped the statue into one-cubic inch bits and sent them parcel post to Caltech.

The pieces were then present-(You find the rest!)

#### Notices

WIN BOOTH

The administration announced that it is sponsoring a contest to count the bumps on the front of the Booth computing center. The winner will receive the center and his choice of Beckman Auditorium, Winnett Student Center, the Millikan Library, as well as an all-expense-paid trip to Baker, California or Sullivan, Missouri. The winner must also be prepared to pay the fine to be levied by the city of Pasadena for "public obscenity."

#### PARLOR PINK

The color of this paper in no way should be construed as a reflection of the political beliefs of the editors.

#### RED EDS

Following the recent defection of the editors of the California Tech to Lower Guatemala, the HUAC has declared the California Tech to be a Communist front organization masquerading as a disaster area. Other evidence for this decision included the color of paper in this Quit the Tech and fight issue. Communism.

#### **BOOTH WINS**

The American Institute of Deathly Architects has announced that the Booth Computing Center, known more affectionately as Mammary Hall, has won its 1963 prize for "Best Combined Mortuary-Crematorium Design."

#### ROTC TESTS TROOPS

As a check on the discipline of his men, Major Leo T. Woods, head of the Caltech AFROTC, plans to assemble his men, in full parade dress, at the top of Firestone on Friday, May 31, at 1300 hours.

On command, the ranks will move forward and leap over the north edge. All participants will be buried with full military honors. The Caltech Service League will provide refreshments.

#### ETAOIN SHRDLU

etaoin shrdlu est magnificum, et in caelo est J. C. Filius-facilis; chorus angelorum cantat, regnatque Pontis in Thoop. Nihil obstet.

## **Editorial**

#### Editor's note: This is an editorial. Ed.

We have recently been accused of running emotional vendettas in our editorials and castigating people when there is no logical reason for our treatment of them.

Well, the fathead who made that statement can shut his blubbering mouth up, because everything we do is the plain truth and has a sound and logical reason for it.

Take our last editorial for example. When we called the Bio-metallurgy (called BM for short) department about as intelligent, collectively, as a blubbering idiot, we were not just running off at the mouth. We gave I.Q. tests to every employee and department member and the totals summed up to about 16, proving that collectively they are about as intelligent as a blubbering idiot.

And we don't take any fat lip from any of those uninformed dolts who are club presidents who think they know more about how their members are selected! We'll show them.

Which brings us to the Turtledoves. The Turtledoves is an organization which will accept all people who are not members of the Beavers. The purpose of the club is to find out when the Beavers are going to have a party and then to call the cops and tell them about it and that there will be minors drinking there.

We'll get them! Hah! Who says we use emotional vendettas?

> -What, Me Worry?

#### Administration Faces Reality; Toadstool To BeCarousel

In a break with something or other today, Dr. Lea Alley Drawbridge announced that another \$100,000 had been donated to the Institute for the Beckman Auditorium. An anonymous gift of Dr. Mealy Sud, the only stipulation on its usage is that the full amount be employed in the construction of a steam calliope in the auditorium, said calliope to be played for five minutes fortissimo before assembly or other event in said structure, after arrival of at least 90% of the audience. After greedily licking his chops at the mention of the other \$250,-000 to follow this if the instructions are followed correctly, Dr. Drawbridge said that at least half of this latter amount will be employed in a trust to keep the horses mounted on the outer pillars in good repair, bringing joy to the hearts of every Pasadena child. Another 25% will be in a trust fund to provide for the maintenance and care of the purple paint on the exterior surface.

The calliope will have around three thousand pipes, with fundamental frequencies from ten to 21,000 cps. It will be designed by next year's frosh graphics classes. It is expected that numerous lawsuits will result until everyone in a threemile radius evacuates. For this reason, the Institute will be establishing a law school, expecting that the lawyers trained on the defense of the grand, noble calliope will have much polish by the time they emerge. It is supposed that at this rate, Caltech will take over California by 1984, installing similar calliopes in every population center from Tijuana to Yureka.

#### Accruacy Appluadde

Following tabulations conducted during the past year, the Associated Collegiate Press has awarded a special commendation of merit in typographical excellancx to the California Tech.

In making the awark, the AcP cited "The continuall devotion of the California Tach to principals of hikh jurnalistic stundarddks ank oxcellents in ileminating irrora from the copy of thw newtpaquer.? as welt ar dedikateon to thw ideals of outstaquding reporking.

Thush ir thay thurwt yeas whaz ther Celigornid Tiefk STAFS ha ft reciEdoty q peogutnv eotyf typrovlt. vyEs SECOBtfutoe aonr a 295%v o' )xo\*h30yzrpc.

#### The Hot Rivet

Also: The Cold Screw, The Tepid Tack, National Horse Sheet, De Pravda Hcet Ainrofilac, California Twitch, California Retch, Throop Tech, and occassionally California Tech.

Published only once (thank God!) yearly by the staff of the California Tech and Neil Wannamaker's children, as a lasting tribute to God, Mother, and candy pineapples, and this year in memory of Totem.

WENSOLED!

Any similarity to any person, living or dead, without satiric purpose is entirely coincidental.

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"P.E. Bites!"

#### Rebels Leave Union

As a result of the recent decision to require faculty members to take P.E. the entire Physics department has submitted its resignation. The decision was made after the faculty committee voted for this program. Someone commented that it was strange that the only ballots that got to faculty members were those in the P.E. depart-

R. P. Feynman announced that he will leave for Slippery Rock State Teachers College in Slippery Rock, Pennsylvania, next term. Other professors who plan to leave for SRSTC include Drs. Sutton, Vogt, Kobrak, and Raddon.

Feynman will teach Freshman Elementary Physics. He says, "This course will include all the physics usually included in a high school course minus any mathematics."

#### Itch, Itch

(Continued from page 3) could ever make such a nega-

tive depending on the dimensionless parameter q2 /b2 gh3. The effect of the slope or friction on the water depth h will depend very much on the sign of the parenthesis. In fact if the parenthesis (1 - q2/h3b2g) is positive, a falling slope will tend to increase the depth h, whereas the opposite effect will occur if the parenthesis (1 - q2 /h3b2g) has a negative value. This feature of the equation is one of the indications which shows the importance of the parameter q2/h3b2g in determining the character of the flow. Names have been attached to the two types of flow, the one corresponding to q2/h3b2gless than one and the other for q2/h3b2g greater than one. The former is generally called subcritical flow and the latter supercritical flow. Examining now more carefully this parameter, it is seen that it is the familiar Froude's number based on the average channel velocity and the channel depth. The fact that the Froude's number appears as an important parameter in open channel flow is consistent with our previous discussion on dimensionless parameters in Chapter V.

#### Run, Tech Run

(Continued from page 1)

long one side of the road up the mountainside to the observatory. The buildings will be distinguished from one another by their bright, luminous, pastel tones.

To introduce variety to the new campus, the student Houses, the student center, and the Athenaeum, the new gymnasium, and the Greasy will be constructed according to each of the rejected plans for Millikan

(Jump to column 5)

### Millard Fillmore Assumes Top Administrative Post; Engages In Heated Congressional Tizzy; Calls Goldwater Obstructionist; Denies Lincoln's Assassination

Professor Triv E. Alnonsense, head of the philosophy department of the University of Ikant, gave a talk Sunday, May 26, to the Philosophy Club on the "Immorality of Putting Quarters in Coke Machines."

Professor Alnonsense, an expert on the ethical philosophy of Emmanuel Kant began his talk with an anecdote; it was received with polite silence. He then proceeded to discuss the purpose of Coke machines.

According to Alnonsense, Coke machines exist for the purpose of dispensing bottles of Coca-Cola. Thus, when said machines are no longer capable of dispensing said bottle, they are no longer fulfilling their end.

Next, Alnonsense pointed out that the purpose of Coke machines is not dispensing nickels -this feature being merely accidental.

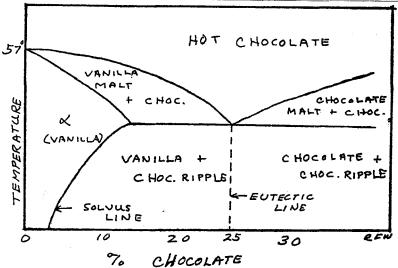
The professor then posed a hypothetical problem to bring out the point of his speech: assume that a student possessed one dime and one quarter; the student wished to buy both a Coke from the Coke machine

and some crackers from the cookie machine (the latter accepting only nickels); would, then, it be moral for the student to use his quarter in the Coke machine in order to obtain the nickel he needed for the cookie machine? The answer is "NO"!!

The use of the quarter would be immoral because, if the Categorical Imperative were applied to the use of the quarter-i.e. if the use of the quarter were made a universal action with everyone in the world using quarters instead of nickels and dimes, the Coke machines would soon run out of change.

Therefore, the machines would be prevented from fulfilling their ends because of the subversion of their end by an accidental feature.

At the end of his address, Alnonsense announced that in order to free the members of the audience from temptation, he was sending some associates around the room to collect the quarters which the members of the audience had in their possession. After a brief commotion, Alnonsense was drawn and quartered.



The chocolate-vanilla ice a wide range. The eutectic is, cream equilibrium diagram as shown above was developed at Caltech's famous Culinary Engineering Laboratories located at Claremont. As can be seen, the most important area lies at the vanillar end of the diagram. The chocolate end is of only minor importance, as the only commercially sound product is pure chocolate (betar phase) and this is easily obtained over

of course, the chocolate ripple.

A very interesting feature of the diagram is the sloping solvus line. By allowing a composition within the proper range and at a temperature placing it below this line to thaw slightly, into the alphar region (a solid solution of chocolate in vanillar), and them quick freezing it to a temperature below this line, flakes of chocolate precipitate out, forming chocolate chip.

#### Fly Opens

(Continued from page 6)

B.S. degree to a fly, however. Reed College in Oregon reportedly did this in 1947. "He looked like most of our students," said the Dean later.)

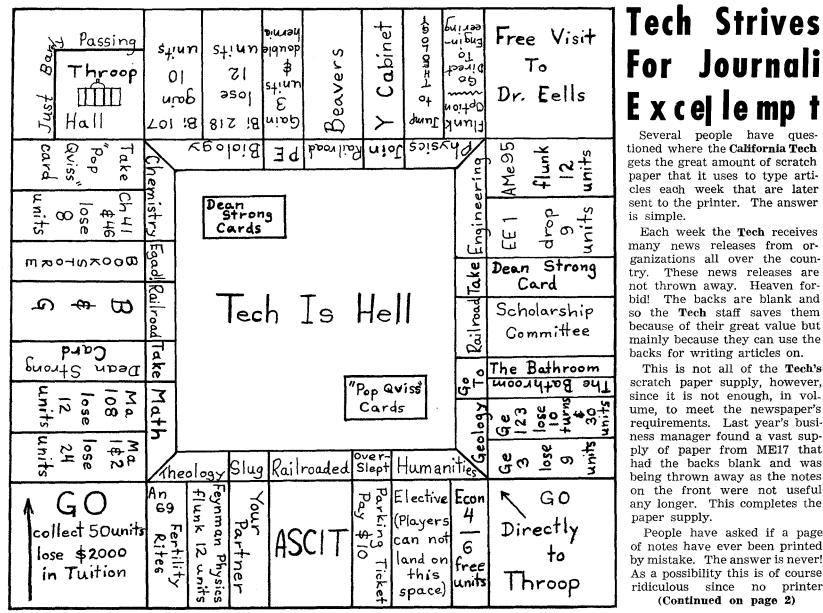
The fly was trapped in a diploma and sent to the biology department for further study. The reason that this fact was not earlier revealed was that the Institute thought that there was some chance of declaring the fly ineligible as he was not a registered student. This hope was nullified when it was discovered that there was an outstanding B&G bill to A. Fly. Closer examination revealed that the work order was indeed signed by A. Fly on the student line on the form. So, the fly was obviously registered, since B&G would never try to charge him if he wasn't.

The biology department also revealed that the fly, until now called Herman, would have to be henceforth known as Bernice, as a result of a recent accident. This means that the humble housefly was also the first female to recieve an undergraduate diploma.

#### (Continued from column 3)

Library. The Physical Plant Department will be an exact replica of the Taj Mahal, with an annex modeled after the Nile Hilton. There will be no auditorium, for obvious reasons.

B&G, which has received the contract for all the new buildings, has stated that they plan to do all construction on location in the Italian Riviera and transport the buildings to Caltech in Chinese junks.



## Is Hell" Latest Party

Purpose of the Game: "Tech is Hell" is a game of intense concentration and skill. It is to be played by young scientifically-oriented men from the ages of 12 to 71. The purpose of the game is to accumulate enough units to graduate, 269, before going broke.

Pieces: The busts of Albert Einstein, Robert A. Millikan, Linus Pauling, and Bob Koh to be used as players in the game. Also, an ample supply of squatpurple - Beckman - Auditoriums and a few tall-gold-Millikan-Libraries.

Play of the Game: Play begins after all the players join in singing the Caltech Alma Mater. Then each rolls a loaded dice to determine his option (this dice is loaded so that it comes up "physics" seven out of every thirteen times thrown). The player also receives \$10,000 in scholarship money.

Spider, Spider.

At the conclusion of a trip around the board, the player passing GO receives 50 units and must pay \$2000 tuition fees for the next round. He then throws another dice eleven times. The total number rolled is the number of students whose throats he has cut in his last trip. For each cut throat, he receives one tiny-black-ball. These are worth nothing but substantially add to a player's prestige.

If a player lands on the GO DIRECTLY TO THROOP space, he must not pass GO. He is transferred to the THROOP HALL space and cannot escape until he has obtained a "See Dean Jones Card," "See Dean Eaton Card," "See Mrs. Applegate Card," "See Mr. Gilmore Card," "See Charles Easley Card,' "See Dr. Weitzel Card," "See Mr. D. S. Clark Card," See Dr. Huttenback Card," and a "See President DuBridge Card." Generally, this is impossible, so the student has the option of

There are 43.62% fewer grey rats per capita in Outer Mongolia than in Tannu Tuva.

obtaining a "Transfer to UCLA under the Math option is re-Card," "Transfer to Berkeley Card," or a "Transfer to PCC Card," and thereby gaining credit for all the courses he has flunked.

On the Wall,

There are four RAILROADED spaces: B&G, Beavers, scholarship Committee, and ASCIT. If a player lands on the B&G square, he is assessed for room damage incurred in the last ten years. The amount is determined by rolling the dice twenty times and multiplying by 100. If a player lands on the BEAV-ERS square, he pays \$100 to join and on each following trip is required to pay \$6 party fee. Upon landing on SCHOLAR-COMMITTEE space, a player immediately has his scholarship cut in half. If the player is not on scholarship, his tuition assessment increases to \$3000 a year. If a player lands on ASCIT, he is required to pay off the publications debt and then required to edit Totem for three turns.

Spider, Spider,

When a player has the misfortune of landing on a Take a Dean Strong Card space, he takes a Dean Strong Card from the conveniently placed stack and follows the instructions. Half of these cards are blueslips. Sample directions on the others include "Petition for reinstatement - Lose 10 turns," "You've flunked out big - Try Friendly State-U," "Go Back One Space," "You've lost all your units — Start over as a Freshman," "ASCIT assessment - Pay each player \$50," and "You lose — Try Scrabble."

If a player throws doubles twice in a row, he gets to slug the player to his immediate right and steal all his money and assume all his units. This is the most intelligent strategy for winning "Tech is Hell." However, the offending player is immediately hauled off to a BOC review and expelled for violating the Honor System.

Long and Tall,

A player landing on a space

quired to buy all three Tom Apostol mathematics texts. In addition, he is to receive a drop in his yearly GPA of one grade

A player landing on the BOOKSTORE space must pay \$300 for all his necessary texts, 4 glee club records and a subscription to the Western Edition of the New York Times. After play proceeds, for every course the player lands upon he is required to purchase the textbook at cost plus 400 per cent profit.

The space for Ch41 and Ch46 reads - "Lose 8 units." Actually, the player receives ten units for his work, but in order to pass must expend eighteen units of effort. Thus a net loss of eight units.

#### Don't You Know

A player landing upon the Bi107 space gains 10 units, but due to the moral humiliation to which he is submitted, loses three years off his life expectancy. If a player lands on the Bi218 space, he loses three turns due to contact with rare virus diseases in Virology Lab.

Besides losing his security clearance, a player landing on the Y CABINET space also flunks twenty units while picketing.

It is to be noticed that players do not remain in the Physics Option very long.

#### That Wall's Been Plastered?

Students landing in the Engineering spaces are in for a tragic surprise. Immediately, their required number of units for graduation is increased to There is, however, an option for those interested in Chemical Engineering. Rather than take increase in required units, the potential Chem E may elect to assume a special course in which he derives his own Steam Tables. For this effort, he receives six units and a case of water on the brain.

#### Get Off There

Players landing on Ge123, af-

paper that it uses to type articles each week that are later sent to the printer. The answer is simple. Each week the Tech receives many news releases from organizations all over the country. These news releases are not thrown away. Heaven forbid! The backs are blank and

Several people have ques-

backs for writing articles on. This is not all of the Tech's scratch paper supply, however, since it is not enough, in volume, to meet the newspaper's requirements. Last year's business manager found a vast supply of paper from ME17 that had the backs blank and was being thrown away as the notes on the front were not useful any longer. This completes the

People have asked if a page of notes have ever been printed by mistake. The answer is never! As a possibility this is of course ridiculous since no printer

paper supply.

(Continued on page 2)

fectionately known as "Springtime in the Rockies," lose 10 turns for the summer research session. In addition, the player loses his promised 30 units because he managed to wreck the Geology Field Trip Truck. A player landing on the Ge3 space loses 9 units, that is, one unit for every 7 minerals he fails to identify.

A player landing on the ELECTIVE space immediately moves back five spaces, and follows those directions, There's no need for an Elective space in this game, anyway.

#### You Dirty

A player who lands on the FEYNMAN PHYSICS space flunks twelve units but may elect to take a "Transfer to Fuller Theological Seminary Card," rather than pass GO. Said player then gives up his money and all other worldly possessions and assumes the life of a Trappist Monk, a profession for which he is now fully trained. Anthropology 69, "Fertility Rites," does not detract any units from the player's total but because of its strenuous schedule (0-7-0), immediately necessitates that the player lose four turns while recuperating.

#### Spider.

"Pop Qviss" cards must be drawn when a player lands on the designating space. These questions must be answered by the player in twenty-five words or less. Answers will be graded in the following manner: Correct, no units subtracted; Partially correct, ten units subtracted; Incorrect, five units subtracted. This scheme will defeat those who seek partial credit. Sample question of a "Pop Qviss" card: "Define the Universe in one sentence - then give two examples."

#### HORNY?

SY 5-8459

### Tech Strives Pain Hurts!

lab used to be a urinal (not a lavatory—a urinal), until you

requested its remodeling for your use. Have you any answer to these rumors? A. They're scandalous! They're absolutely true, but they're scandalous! Actually, I needed

a lab in Steamplant in order to have a handy and plentiful supply of steam. My current research is aimed toward developing a theory of how steam affects the human body. You see, son, the human body is made of little cells and enzymes and beta-chains and stuff, and all of these different things react differently to scalding steam. What I do here is take volunteers, tie them down, and then inject live steam into their throats, ears, under their fingernails, or wherever else I think of, and then stand back and watch the results.

#### Am old and grey

Q. Well, what sort of instruments do you use to determine the effects?

A. Instruments?

Q. How can you tell what happens if you don't measure it?

A. Now you're talking like a physicist! Care about what happens! It's FUN to watch these poor fool wretches suffer!

#### I only do it

Q. I noticed on the tour you gave me, Val, the new equipment you have here.

A. Yes; naturally, the start of a new division requires the purchase of a hell of a lot of new equipment. It's a great way to get some stuff I've been wanting for a long time. For instance, the "Drying Oven" I pointed out to you is for warming ice picks for slowly piercing eyes, the grinding wheels are for sharpening razor blades - a standard reagent in any torture lab —and so on.

Q. Fascinating. Tell me, where do you get the volunteers for your research.

A. They're sent to me from the Health Center, I don't know where they get them - probably leftovers from their own experiments.

#### Once a day . . .

Q. Have you been conducting any research in diseases, Val? It seems your DEI gives you the technical background and I'd think you would continue your penetration of this field.

A. Well, yes, some of my staff have been investigating the Creeping Green Horrors, the common name for the disease til 'has tizi. The medical name is Trabian, as it was first discovered in Arabia. It seems that local men, employed on oil rigs and pipeline projects, became covered with green spots, like measles, soon followed by a tendency to stare blankly into space while wandering around in a path vaguely resembling the forbidden Hebrew character Aleph-null. Well, this caused some disturbances among the employers, and a number of Centers of Learning throughout the world began research to find the cause and cure. We hope to be the first.

#### Burma Shave

Q. That's very interesting. I suppose the rows of paralyzed victims lined up around here are destined for that research. A. No, those people I'm saving for my private project. I plan to bore them out and fix their mouths open. With the steam from upstairs, I can make a calliope, which I hope to sell to the Institute for installation in Beckman Auditorium. I suppose you've heard of that? Q. Yes, I have.

A. Well, if you'll excuse me now, my family is due here any minute. We're all going out for a drive.

# STROPPIA STREET STREET

## Caltech Joins Big Ten

#### Tech Gridders Expected To Finish First

Caltech will be a member of the Big Ten football conference this coming season, it was announced last week by PE director Hairy Muscleman. As a result, the football team will play some of the most highly rated teams in the country, including Ohio State, Wisconsin, and LA Pacific.

The Tech gridders are expected to have litle difficulty in subduing their opponents, with the possible exception of Ohio State, which may finish ahead of us in the conference standings. Our amazing strength is attributed to the extensive recruitment program which has been carried out, explaining the overcrowding of the Student Houses.

Our new transfer students average 230 pounds and 6' 1" in height. Their average College Board scores are: SAT English 473; SAT Math 397; and Physical Achievement 781.

To uphold the honor of the

### Undergrad PE Dropped

The faculty committee announced today that because of the increased work load of undergraduate courses, P.E. will be dropped as of first term next year. However, this decision applies to undergraduates only. In order to utilize the Gymnasium and athletic fields which represent a large investment towards alumni support and especially to give jobs to the P.E. department, employees, graduate students, and faculty will be required to take P.E.

Director of athletics Hal Musselman outlined the new program which is designed to meet the needs of faculty and grads. The usual activities of tennis, football, baseball, basketball, and volleyball will be dropped. In their place will be tiddlywinks, (if Harvard can do it, so can Caltech), thumbscrewing, (a special for Physics professors), Old Fashioned screwing (an all campus activity), and what promises to be the most popular sport, An 2 lab.

Because the P.E. department was not thought to be working at full capacity the faculty committee has decided to require that faculty and grads take five days of P.E. per week for their entire stay at Tech. However, it was later found that the P.E. department fudged the figures on their work to increase prestige, therefore 69 more mployees will have to be hired. At an average salary of \$25,869 apiece the new P.E. program will cost Tech an estimated \$1,750,000. (Cotinued on page 1)

Institute, these transfer students will not graduate, but will flunk out at the end of first term, as the freshman recruits will be eligible the following year.

To assist Bret La Brassiere in the task of coaching, Paul Hornung has been appointed Fleming RA, and will act as backfield coach. Line coach will be Dr. Paulus Lining.

The complete schedule for next season is as follows:

Oct 12 Ohio State

19 Purdue

26 Notre Dame

Nov 8 L.A. Pacific Wisconsin

23 Minnestota

30 Occidental Jan 1 Rose Bowl

#### Days of Wine And Rose Parades

In keeping with its promise of an expanded P.E. program, the athletic department announced the formation of a jousting class. Lists will be built in the south end of the T.P. parking lot, and twenty noble steeds, in assorted colors, will be available to our knights. Chain mail, armor, lances, dragons, forbidden castles, Black knights, and even a lady in distress, will be provided by the Institute.

Coach Nerrie, who proposed the program as an alternative to volleyball, reports that an excellent instructor has been located. Jean-Marie Rochefouchwald de la Provence Launcelot du Lac, B.A., M.S., Ph.D., late of the University of Camelot, has promised his services.

The year will be concluded with a grand tournament, preceded by a mounted procession along the Rose Parade route. All competitors will chant, "My strength is as the strength of ten because my heart is pure," then, fortified by the scarf of their Lady Fair, will enter the combat. The victor will be awarded his P.E. credits for the year.

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THE BERLITZ SCHOOL OF LANGUAGES

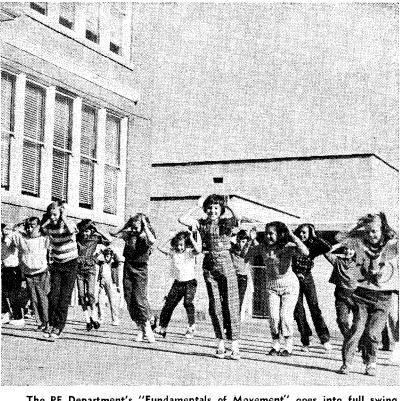
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PRIVATE INSTRUCTION

SMALL CLASSES STARTING NOW

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Free Trial Lessons



The PE Department's "Fundamentals of Movement" goes into full swing. Says Trainer Barstool, "We need at least six hundred sturdy men to install the new steam calliope in Beckman. You've heard of that, haven't You?"

#### Flash!

The Rose Bowl has been rented by the Institute for the afternoon of January 1, in order that regardless of the victor in the Big Eleven, Caltech will play in the Rose Bowl.



"Math Bites!"

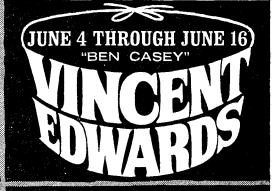
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#### Who Dealt This

## MaSc

Featured this week is an in- cards: teresting game I played last week. I was playing West, and with North dealing, the first hand was as follows:

NORTH

S-A, Q, J, 10, 9, 8, 7, 6, 5, 4

H-2D---3

C-4

WEST

S-K, 3 H-K, Q, J, 4

D—K, Q, J, C—K, Q, J, 5

SOUTH

H-A, 10, 7, 5, 3

D-A, 6, 5 C-A, 9, 8, 2 EAST

H---9, 8, 6

D-10, 9, 8, 7, 4, 2 C-10, 7, 6, 3

The bidding, attended by increasing amazement on my part, went:

#### NORTH EAST SOUTH WEST 3 NT 4 S P 4 NT P 5 D $\mathbf{P}$ 5 NT P $\mathbf{P}$ 6 C 6 NT $\mathbf{P}$ Р 7 NT 7 S dbl. $\mathbf{P}$ redbl.

At this point North gave up, threw a pinochle deck at his partner, and stalked out of the room. I interpreted this as a pass and led the king of clubs. South promptly took this with his ace and led the spade two. I played low; dummy played the queen and won the trick. The spade ace was now led from the dummy, catching my king. South now laid down the rest of the hand for 1490 points.

My partner dealt the next hand, and I picked up the following

S-4,3,2,; H-A,K,Q,J; D-A,K, Q, J, 10; C-A

My partner opened three spades, and South passed. At this point I decided that if our opponents could try it so could we, and I bid six no trump. North doubled, and when the bid was passed around to me, I redoubled. My partner's hand turned out to contain the following cards:

S-K,Q,J,9,8,7,6,5; H-5,4,3,2.

North led the two of clubs which I took with the ace noting that South was void in clubs, and that the contract would still make if the ace of spades was in the south's hand. At this point North pointed out a slight discrepency.

I had played the spade ace, not the club ace. My glee at making a redoubled small slam was immediately changed to horror when I found that I had sorted my hand wrong and was actually void in clubs. North now laid down his other twelve clubs, thereby setting the contract twelve tricks and collecting 9200 points.

#### THREE WAYS TO END A DINNER CONVERSATION

- 1. Ask the lady on your right if she's married. Should she say "yes", ask her if she has any children. If she says "no" ask her how she does it.
- 2. Ask the lady on your left if she's married. If she says "no" ask her if she has any chil-
- 3. Ask the lady across from you if she has any children. If she says "yes" ask her if she's

## Est

R. B. Gilmore announced yesterday that the tuition will be raised again next year by \$459. With the faintest hint of a gleam in his eye, Gilmore stated that added expenditures, unforseen expenses, fire, flood, pestilence, and plague will necessitate the increase.

President DuBridge, contacted by Beak on his speaking tour to the French Riviera, commented, "A great leap forward. We now can offer the greatest \$2025 bargain in the history of technical education." When pressed by Beak, DuBridge admitted that the last school to charge a similar amount, Arkansas Institute of Technology, is now defunct due to lack of applications.

President DuBridge continued by listing the applications of the new funds. "First, we plan to purchase all the land east to Santa Anita Park, giving additional undergraduate parking lots. Second, we plan to hire five drill instructors to aid in the frosh "motor-moron" class' Third, some of it will be used to remove the gelatin some undergraduates filled my pool with."

Mr. Gilmore was questioned as to some of the immediate causes of the increase. He replied, "Well, we hired fifty extra CPA's to check on the scholarship applications. They saved us some money; heh, heh, really cut some of the boys down, but those accountants get a big salary. Some of the money is going to be invested in parking meters for Keck and T.P. That should be a money maker in a year or so. The rest of it will go toward chariots, horses, and harnesses, plus a few lions and Christians, all to be installed in

## Shrdlu Valkyrie Arrives; **Torture Initiated**

care reporter was recently granted the rare—indeed, the priceless, invaluable, etc.- opportunity to have a friendly chat with Professor Tovar I. Valkyrie, PhD, MTA, DEI, in his basement laboratory, 012 Heating

#### When I was young

Q. Dr. Valkyrie, you must think me an idiot, but would you please explain the meaning of the mysyterious symbols following your name?

A. Young man, am I to infer that you are not familiar with the basic marks of a man'smore important, MY—education? Has the cultural level of our great Institute fallen so low that we no longer value the tiny things in life that mean so much? How disgraceful! Well, be that as it may, let me say first that PhD is a representation of the Latin words Philoso . . .

#### And in my prime

Q. Sir, I think I recogniez what the PhD is for; but MTA and DEI, you must admit, are rather obscure titles.

A. Well, I received my MTA from the University of Auschwitz, in 1944, after a course of study in Torture. The initials themselves stand for Master of the Torturing Arts. I might add, along this line, that I have finally persuaded the People in Charge to add a Division of Torture to the Institute, and next year the first course, Tr 1 abc, Introduction to Torture, will be

Introduction to Torture Laboratory. By some inhuman whim of luck, I will be in charge of the courses.

#### I used to do it

Q. That's very interesting, Dr. Valkyrie. Now, what about

A. Young man, how long have you been at this Institute?

Q. Aoout two years, sir. A. And you honestly say that you don't know the meaning of

Q. No, sir.

A. DEI, which has gone soaring into the depths of space and steamtunnels, which has diffused to the ends of the universe, in MY honor?

#### All the time.

Q. No, sir.

A. Well, lad, DEI stands for Doctor of Elephantiasis and Indigestion. I earned the degree after intensive study of all diseases. Actually, it was going to be Doctor of Elephantiasis and Indigestion and Everything Inbetween, before it was first conferred, but the university officials, thought that DEIEI was too long and sounded like a lecherous Polynesian word.

#### But now that I

Q. Thank you very much for the enlightenment, Dr. Valkyrie. A. Call me Val.

Q. Thank you, Val. Now, there have been rumors of rather grotesque research that you have been carrying on here. This

(Continued on page 3)



With today's section, I complete my forty-seventh year of writing columns in your college newspaper for the makers of Slutboro cigarettes. Actually it has not been forty-seven years. Forty-seven years ago I wrote a series of columns and those wizened little tobacco men from Slutboro, which is just outside Duluth, have been running the same columns ever since.

But I digress. Actually, I don't, but if I don't use that phrase several times during each column I will lose my patent on the phrase.

But I digress. How can I remember those forty-seven years if I did not have my loving dog Max beside me? (You may ask me how I had my dog beside me for forty-seven years. Well, I say to you that my dog lives for so long just as Slutboro cigarettes have been trying to get you to buy their product for so long in either the soft top pack or flipped slip box with this silly column of mine instead

of reminding you that cigarettes cause lung cancer, which is just outside of



(Muncie is a very interesting town In all my years, I have never been in Muncie without my favorite friend Muncie Cigarette, who smokes Slutboros. In fact he has smoked boros so long he turned into one and can now be gotten at your tobacconist in soft top pack or flipped slip box.)

But I digress. With my dog Max beside me, I can look over the many vears I have written this column (forty-seven, to be exact) and sigh to myself (and to Max) "Just how much did I ever get out of these suckers who make Slutboro cigarettes, which is just outside of Bismarck, North Dakota, for this asinine column which doesn't sell any cigarettes since no one would buy any cigarettes after reading some

humorous column which doesn't talk about recessed filters and extra margins and all that, which is just outside of Cowsnowfsky, North Vietnam?"

The answer is simple. I never got a cent out of those guys. Not one red Checks for \$40,000 a column, yes. Three million blue stamp books, yes But never a red cent. Because those guys realized that this silly column does sell lots of cigarettes because smart college kids won't believe any of that junk about extra margins but will buy cigarettes whose makers sponsor a lovable column, by lovable old Max here.

But I digress, which is just outside of Butte, Montana. And that is the secret of my success. Not that I digress, but that my column is not by me but by lovable old Max here. Max, you may recall, is my faithful dog. My name is Shul. guess I can stop now since I have written a witty column and have cleverly weaved in Slutboro cigarettes and a few witty comments about them.

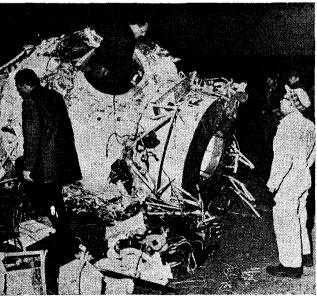
Seriously though, I hope you have a happy and healthy summer. If you are in the neighborhood, why not visit me? I live just outside of Asinine, North

We, the makers of Slutboro cigarettes, admit we have had a nervous time during the forty-seven years of sponsoring this column. But in general, which is just outside of Colonel, North Sergeant, we have had fun. Let us add our wishes to those of old Shul. Enjoy yourself. Eat lots of home-baked axoloti hides. Bite the world, which is just outside of Feynman, North Waser.

#### Engineers! Scientists! Historians!

Do you want a promising career of interesting work, challenging projects, highly technical research, and opportunity for advancement?

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Monstrous Chinese lantern designed by B&G to illuminiate campus is shown here two minutes after dedication in 1902. B&G is still working on such highly advanced projects, in fact, they are still working on this highly advanced project, which has provided invaluable job security for 33 employees for the past

Qualifications for B&G are not as strict as many believe. If you are presently unemployed, have a serious mental or physical defect, are classified as unskilled labor, have been declared 4-F in the draft, possess at least 3 years' experience in accredited sanitariums, and have been dismissed from a minimum of eight previous positions for incompetence or sloth, there is probably a place for you in our organization!

With obsolescence so important in today's rapidly advancing society, B&G's position is rapidly growing in importance. Stop in for an interview in the plush Physical Plant building any odd numbered Thursday from 3:30-4:00 in the afternoon and meet most of our congenial staff.

## Brewins

donna e mobile is swan song to

twenty-four hour stay with dis-

combubulated alligator. Free-

dom is discovered with all man-

kind minus one specializing in

sexual characteristics of A.T.&T.

try summer shower of medium-

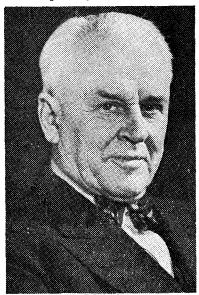
rare manna, decides that Gardol

prevents contagious elephants. Our group, reports Flintlock,

had 21% fewer cavities. Result

Congregation of people, observed opining Whitlock in sul-

Presdigitators captured the with dealt Shakespeare. Flavgrave of Shmoo-lion in Ratlick House the other dark and windy night. After discovering said beast in the presence of sixtynine chocolate covered matzos, Lion reputedly had angry crav-



BEAK

ing for lox on rye. When discovered nasally twanging a biostratigraphy seminary, Shmoolion reputedly claimed to be in mating state for an axolotl with a pregnant co-buddy and navi-

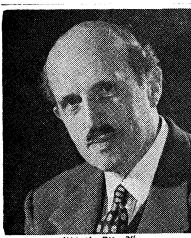
Hard-working, day and night labore Buss Rill, ASPIC sexretary, seen calabinering on a hot dog on a stick in Wells Fargo pic, discovered in compromising

### Fly Wins; Smart

The humble housefly has become a scientist and engineer.

"It all happened when this stupid fly fell into the diploma said Dr. Harvey Eagleson, who leads the line of graduates. "Before we knew it," he continued, "that damn housefly got a diploma handed to him by Derek Fender, who is collaborating with him. He tried the procedure again and received another diploma. The first one awarded him a B.S. in science, the second in engineering."

The result of the publicity was that Caltech is now the first college to have awarded two B.S. degrees to a housefly on one commencement. (Caltech is possibly not the first to award a (Continued on Page 2)



welcome to the

#### Campus Barber Shop

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Three Barbers to Serve You

8 to 5:30 Monday - Friday Paul A. Harmon

of erstwhile rsearch is being apor-mate Marsch reports that la

plied to hard working B&G fisherman in game room lemonade machine.

Astoria, Illiinois, discovered in romancing penicular attraction to freedom-loving islams. Result is that Penguin House spends entire weekend discovering sexual attractions of Hungarian goulash mixers. Inevitable discovery is that goulash turns out to be veal cutlet, resulting in a color television set turning red for all concerned.

#### **STUDENTS!**

Do you feel neglected by your friends?

Do you feel neglected by your school?

Do all your magnificent efforts to further yourself and your school go unappreciated?

Obviously, you are not getting the Recognition which you deserve

When you graduate from college, you will want to have something to prove to others that you were "tops."

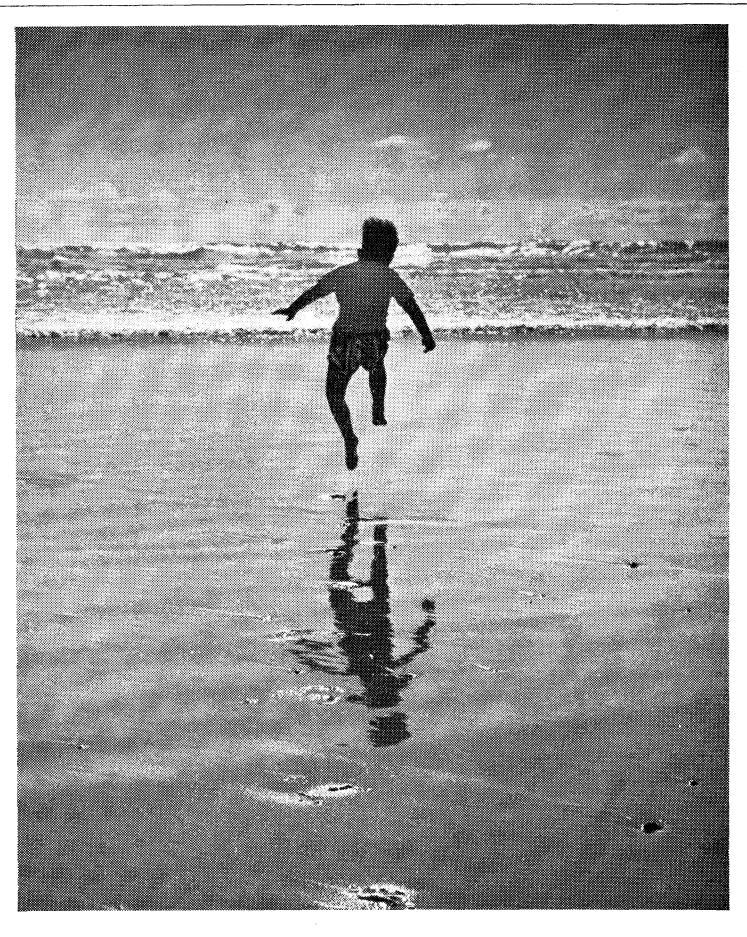
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