



Ocifer, Would
You Please

The CALIFORNIA Tech

Hold This
Rope For Us.

Volume LXXI

Pasadena, California, Thursday, December 11, 1969

Number 11



Dabney-Eats-It Elephant finds a new home (see last week's TECH). —photo by Levin

Bio Goes Individual

by Dave Lewin

Beginning next term, the Biology Division will be offering a tutorial enabling undergraduates to study specific topics in biology on a personal basis.

The course, which will be listed in the catalogue as Bi 23—Biology tutorial, will be taught by faculty, post-doctoral fellows, and graduate students who know something about a given field. The course will be available for one to six units, and will be graded pass-fail. The program will be flexible in nature, and its final format and content will depend substantially on the students involved.

Informal Learning

In general, the tutorial program will provide an opportunity for

informal learning, through personal contact which is sometimes difficult to obtain in the normal course program. It can include a broad range of subject matter tailored to the interests of individual students and staff. It can tap resources of the staff, for example postdoctoral fellows, not available through ordinary channels. Bi 22 (independent research) offers some of these opportunities in theory, but is generally limited to laboratory work or directed reading. The tutorial will stress student-tutor interactions rather than individual work.

At present there are eighteen tutors, including three teams of two persons working together. The topics cover the width of the

Continued on Page Five

Caltech Hit by Second Armed Robbery; Auto Theft; Vandalism

by Phil Neches

The rumors are true. Another armed robbery occurred on campus last Thursday.

As a Caltech graduate student, who shall remain anonymous, was walking on Beckman mall at 7:25, he was accosted by two men. A pistol of unknown caliber was shoved in the student's face and he was told that it was a hold-up. The suspects, both Mexican-American, escaped with \$25 in cash.

Special Article Explains Lottery

As a special service to *Tech* readers, this week, Wright and Logan, two Tech graduates as informed about the draft as they are concerned about it, have prepared an explanation of the lottery system. Also, the perils of H-S deferments are discussed. This timely article will be found on page six.

You Lose!?!(?)

The TECH will suspend publication for finals and Christmas Vacation. See you back on January 8, 1970, and may Santa bring you a 4.0 for Christmas.

According to Ken Charles, head of Campus Security, only one of the suspects appeared to be armed. The police have one good suspect, however, the identity of the second robber appears to remain unknown.

This is the second armed robbery on campus within two weeks, Charles continued. The last robbery occurred in one of the graduate houses.

In other crime news, Charles told the *Tech* that another auto theft occurred early Tuesday morning. A 1964 Chevy Malibu SS with chrome mags was entered by forcing the left wind wing open and hot-wiring the ignition. The car had been locked.

Suspected are three black men driving a 1954 Chevrolet two-door, who were seen fleeing the scene. The same three are suspected in two earlier car thefts and one attempted theft (which failed due to a dead battery) from the Caltech campus.

Also, the tables on Winnett Plaza have been vandalized. Seven of the

Flee to Page Three

Lissaman Raps on Rapid Transit.

By Phil Neches & Jim Henry

Peter Lissaman has a better idea to answer the question of how to design a practical rapid transit system for the Los Angeles area. The key to his proposal is technological competence, something which the Southern California Rapid Transit District (RTD) has lacked so far.

Commenting on a study for the RTD in which he participated, Lissaman said that they did their best, but only did an exceedingly superficial job. He implied that the RTD needs a permanent technologically proficient staff if it is to get anywhere.

Esthetics

Lissaman commented that, contrary to widely-held belief, Los Angeles could get by without a rapid transit system. He said that the freeway network represented a trunk system which is reasonably good. Thus, his arguments for rapid transit are esthetic; there is no "ultimate deadline" by which Los Angeles must either get rapid transit or else. The situation would get worse, but the situation would still

be tenable.

Rather, Los Angeles should build a rapid transit system because it is "well worth doing" and "esthetically essential." The city would look better if it were not nothing but freeways, and electric drive would reduce air pollution. The system does not have to be exotic, rather, it must meet the demands of the users and the prerequisites of making the city a more comfortable place in which to live, as compared to the increase in chemical and aural pollution of the freeways.

The Problem

The major problem is in ascertaining the demand, setting the routes, selecting the type of rail—in short, the major problem is making the decisions on how to build the system. According to Lissaman, the public does not have confidence in the plans presented to the voters by the RTD in a bond issue a couple of years ago, and with good reason.

The system was unduely expensive, and the public was voting

down bonds as though they were unconstitutional that year, but the basic cause of the issue's defeat was that "the public has no confidence in the technological judgment of city government."

The Solution

The solution to the problem of lack of confidence is as simple as it is evident. Lissaman envisions the creation of a non-profit technological rapid transit "Task Force" composed of top technologists, technical administrators, lawyers, and real-estate experts. The people would be "donated" by their firms in that they would still be paid by the firm, yet would work full-time for perhaps six months to a year on the Task Force.

The Task Force would have a deadline of perhaps six months in which it would formulate a complete proposal for a rapid transit system, down to the specifications for the bolts in the rails. This plan would then be presented to the voters, who would hopefully trust experts more than politicians.

Throop Three Triumph



—photos by Levin

After many hours of fund-raising, planning and preliminary construction, the Christmas tree was finally moved to the top of Throop—or at least within nine feet of it. Left: Inside the old steam plant an expert tree decorator prepares to string more lights, if he can ever get into a comfortable position. Right: Finally atop Throop the tree beams with the splendor befitting a sovereign surveying his domain.

Editorial

Alternative to Police State

Three weeks ago an editorial appeared in the *California Tech* under the title "The Ivory Tower is Poisoned." We are sure that the initial reaction to that article was that we were amplifying the problem. We may now be more outspoken: Last week a graduate student was held up by two men on Beckman Mall. The situation is no longer an incident in an isolated place.

The Caltech Community must be made aware of the situation. The first time someone is injured in one of these incidents, the entire campus population will be clamoring for tight campus security. Very probably "tight campus security" will mean a greatly enlarged and overly armed campus police force. Students will be repeatedly asked for identification and the campus pranks will no longer be looked on with humor—all the characteristics of a police state. Until then the incidents will probably continue to increase in seriousness.

What we propose is a more immediate and less severe solution. In the editorial referred to we stated that at night there were only two men to patrol the campus. On the weekend we believe that only one officer is present. We don't consider doubling the campus police force as creating a police state. The *California Tech* supports the proposal that the campus security organization should be increased in size immediately, that Ken Charles and his deputies be given more adequate quarters so that they may be contacted more readily, and that the appropriate faculty and trustee committees should seriously consider a thorough investigation of the sources and causes of campus intrusions. If an immediate, well thought out plan is not instituted then we can see effects no less serious than an eventual reign of terror.

—Ira D. Moskatel

Trouble Parking?

Wait Until Next Year

by Etaoin Schroedlu
TECH Throop Troll

If you think things around here are bad for parking, and getting worse, you're battling 1.000. If you think things are going to keep getting worse, you've hit it again, which means you strike out. Students, secretaries, and other underprivileged beings have been finding it almost impossible lately to find parking anywhere close enough to their houses or offices to be able to get back and forth without rapid transit.

And the situation is going to get worse before it gets better. Any added faculty or administrators who obtain named slots will be removing a student slot from existence, and such additions will be happening. And rumors have it that expansion of the Institute will remove some of the existing parking in T.P. and perhaps elsewhere. And that doesn't figure in what happens if IHC comes.

Why doesn't the Institute create more parking lots? Well, one reason is the cost of land around here. It costs \$3.50 a square foot. That computes to about \$600 just for the land for one spot, to say nothing of other costs. Lyman Bonner has a figure of \$1600 for each parking space, which is highly possible.

Nor would parking structures be an immediate solution. Dr. Bonner estimates that each parking space in such a structure would cost about \$4000.

So resign yourself to parking problems for a while.

The Domestic Urge

The Undergraduate Student House committee has decided to permit frosh to live off-campus, although they are "strongly urged" to remain in a Student House for the year. In the past frosh were supposed to remain on campus, and while occasional waivers were allowed by the Dean's office, it was very unusual for a frosh to receive permission to depart the Houses.

Speaking of domesticity, Ruddock House is converting an upstairs storeroom into a kitchenette. The money came from Albert B. Ruddock.

Etaoin Shrdlu Award

I hear that many people have been idly wondering about the pseudonym Etaoin Schroedlu, so

perhaps the time has come to explain. The real form of this phrase is Etaoin Shrdlu, which was corrupted to fit the necessities of the situation.

There are several different versions of the origin of the phrase Etaoin Shrdlu. One which is generally acceptable is that the twelve letters are the twelve most commonly used letters in the English language, in order. (The order changes from time to time, if you've seen others.) Another, less reliable tale has it that the letters form the center line of keys on certain type-setting machines, much as the letters Asdfg Hjkl; on most standard typewriter keyboards, and that whenever type-setting trolls made an error in punching, they would indicate the error by running their fingers along the keyboard and dropping an "etaoinshrdlu" into the copy, such that copy-reading trolls could pull the whole mess easily.

Goes to NEAS

The error version is not well documented; our resident printer, James Henry, says that he is not aware of any such linotype keyboards. However, the concept of Etaoin Shrdlu as an error in the gears has stuck, and in fact the *Tech* regularly gives out an Etaoin Shrdlu Award to some highly deserving individual or group. The number of Etaoin Shrdlu Awards extant is expected to exceed Avogadro's Number soon.

IHC?

More trivia on the IHC move: Should the final decision be postponed past Dec. 12, as now appears likely, the possibility arises that IHC would be unable to have their buildings built by the time that they would need to occupy them, in Sept. 1971. Should this happen, housing and classroom space in particular would need to be found.

Fortunately, both are available. The Institute is a very significant landlord in this area, and expanding daily—recently it acquired the apartment house on the southeast corner of Michigan and Del Mar. Furthermore, a large number of the individuals occupying these housing units, probably three-quarters of such people, are not affiliated with the Institute, so it would probably have no compunction about booting them out and taking in IHC people.

Continued on Page Seven

Letters

Faculty Members Invite IHC

Some of us on the faculty are interested in supporting our students in their efforts to persuade Immaculate Heart College to move to Pasadena and in supporting our own self interest in having them move here. In the hope that our willingness to welcome and help them will facilitate their difficult decision, we, the undersigned, want to extend a warm invitation to join us.

Carl D. Anderson
Tom M. Apostol
Robert H. Bates
John F. Benton
Robert G. Bergman
James Bonner
Lyman G. Bonner
David Boyd
Robert F. Christy
William H. Corcoran
Peter L. Crawley
Fred E. C. Culick
Norman R. Davidson
Lance E. Davis
Richard A. Dean
Charles R. DePrima
Richard E. Dickerson
Robert P. Dilworth
Heinz E. Ellersieck
Peter W. Fay
Moses Glasner
Ricardo Gomez
James W. Greenlee
Marshall Hall, Jr.
George S. Hammond
Richard A. Hertz
Edward W. Hughes
Floyd B. Humphrey
Robert A. Huttenback
Daniel J. Kevles
Burton H. Klein
J. Morgan Kousser
Robert V. Langmuir
Beach Langston
Oscar Mandel
Richard E. Marsh
Daniel McMahon
Yorikiyo Nagashima
Roger G. Noll
Robert W. Oliver
Rodman W. Paul
Charles W. Peck
Jerome Pine
Cornelius J. Pings
John H. Richards
Robert A. Rosenstone
Herbert J. Ryser

Frank J. Sciulli
Thayer Scudder
John H. Seinfeld
David R. Smith
Felix Strumwasser
Kip S. Thorne
John Todd
Olga T. Todd
Thomas A. Tonbrello
Lukas Van Vuuren
Robert L. Walker
Jurg Waser
J. Harold Wayland
Robert D. Wayne
Ward Whaling
Charles H. Wilts
William B. Wood
Mary F. Zirin

BLARK! It Is Tuesday After Lunch Again.

I'm really down. just spent the last several days working on the ihc move, two profs have unloaded their burdens on me in the past two days, two students have talked with me about leaving and another about the intolerance of his housemates. debart had his meeting last night, and what came out—frustration. yet noone does anything. people come and go, the institution stays. we're a four-year long test. as wheeler said when he came here to visit our physics dept—we put out the best trained undergrads in the world. they really know how to solve problems, and they even have a pretty good understanding for physics or whatever their thing is... barbara brown says our graduates turn out to be really studly guys—they hold the key positions in businesses and industries, but then why does there have to be such a desert here? what do we do to those that don't make it? what do we do to those that do while they're here? is it the natural state of man to be terribly depressed his whole time during college? these are, we're told, the four happiest years of our life... bullshit! people come out of the super-structured highschoools to find their lives. they have been awfully

good to get in here, so we take them and work them to death. they learn, those that are insulated enough survive, a few really catch fire and are even happy with what they do. alternatives? i don't know. how do you help someone find a life? let him talk to live people. people who are devoted to living living in a science way. physics one is great for the troll you want to turn out to build bridges (though he'd complain that it doesn't teach him that even), but it is really worthless to the man you want to turn into a creative scientist if he doesn't get a liking for it. must have interaction with turned-on men. what's important... priorities? ihc? scholars' program? preeminence? WE'RE FAILURES! gotta change... maybe lock out the world and give each man a core to go out and face it with. maybe let it in and give each kid enough support to be able to stand up and form his core while he's living

Continued on Page Eight

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Paul A. Harmon

The CALIFORNIA Tech

Volume LXXI Number 11

Thursday, December 11, 1969

Published weekly during the school year except during holidays and exams by the Associated Students of the California Institute of Technology, Inc. The opinions expressed in all unsigned articles are solely those of the newspaper staff.

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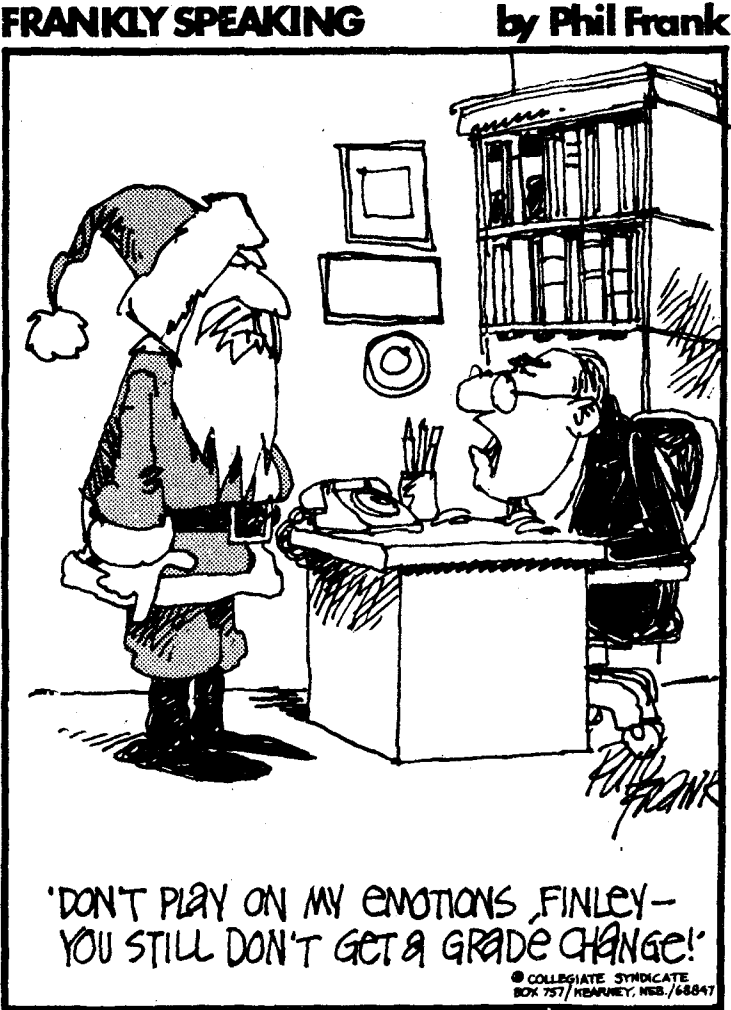
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The California Tech Publication Offices: 1201 East California Boulevard, Pasadena, California, 91109. Represented nationally by National Educational Advertising Services, Incorporated. Printed by News-Type Service, 135 South Maryland, Glendale, California. Second class postage paid in Pasadena, California.

Subscriptions: \$1.50 per term \$4.00 per year Life subscription—\$100





DISPLAYS OF INTERHOUSE INGENUITY—(CCW) Lloyd had its Trojan Horse (presumably for some Helen), Ricketts 'Yellow Submarine' with beverages fir for any deep denizen, Dabney, its elephant, often to be seen elsewhere. —photos by Ctein

Crimes
Continued from Page One
nine tables, which are about the most expensive outdoor furniture on the market, were severely damaged by a blunt instrument applied with great force. One table has a section of its top about twenty inches square missing. Estimates on repair costs run about \$30 to \$45 per table.

The Wall Street Journal newstand in front of Chandler was cut loose by vandals at 3:15 Monday afternoon, in plain sight of numerous persons. Bolt cutters were used to cut the heavy chain which fastens the stand down. The stand was then carted to San Pasqual and emptied of collected money.

Charles also revealed that he plans to ask the Institute for an increased security force when he submits his budget. Presently, the Security Staff consists of nine men,

including Charles. One is strictly a traffic control officer, leaving seven men to guard the campus, 24 hours a day, seven days a week, 365 days a year. Not surprizingly, at times only one man is available to provide protection for the 70-acre campus.

Charles wants to expand the security force to 18, to include an additional traffic officer, a female clerk-typist, and several more patrolmen. This would allow four men to be on duty each shift, instead of the present two. Also, Charles would like to issue blazer-type uniforms to all of his personnel for use during the day and at functions at Beckman. Charles is also seeking an office to provide for the security force. Presently, the security force shares half an office in Physical Plant with Transportation, and half an office in Throop with the custodial staff.

Charles stated that unless the campus security force was increased, the Pasadena Police would become increasingly present on the Caltech campus. He stated that the Campus Security force is trying to build a rapport with the students in particular. He views the role of Campus Security as the protection, not the harassment, of students, faculty, and staff; he expressed concern that the rising crime level at Caltech would force the Pasadena police on campus, which would drastically impinge on the present free and loose atmosphere.

The TECH has begun to receive large numbers of paperback books to review, primarily scholarly works. Anyone who would like to review books gets to keep the books they review. Stop by the TECH office to see what we have. We also have some available records.

News Briefs . . .

CHANDLER ANNOUNCES SCHEDULE FOR CHRISTMAS VACATION

Chandler Dining Hall will go on the following special schedule starting at the end of finals:
Sat., Dec 20 8am-1pm
5:30-6:30 pm
Sun., Dec 21 Closed
Dec. 24 7am-2pm
Dec. 25, 26, 27, 28 Closed
Dec. 29, 30 7am-4pm
Dec. 31 7am-2pm
Jan. 1, 2, 3 Closed
Jan. 4 11:30-12:30 pm
5-6 pm
Jan. 5 Regular Schedule Resumes
The Athenaeum will be open for brunch and dinner many of these days. Check the Athenaeum Schedule.

VACANCIES NOW OPEN IN SOUTHERN CALIFORNIA AREA RESERVE UNITS

Those who want to fulfill their military obligation and finish college at the same time will be interested to know that the Army Reserve in this area is recruiting non-prior-service draft-age young men. Interviews will be held to fill places now open on Saturday, December 13 at 8 a.m. and 1 p.m., and Sunday, December 14 at 8 a.m. The interviews will be located at the

U.S. Army Reserve Reception Station, 24805 Crenshaw Blvd., Building 3, Torrance (take the Pasadena Freeway to the Harbor Freeway to the Santa Monica Freeway to the San Diego Freeway Southbound). At the interviews, prospective reservists will be given questionnaires and oral interviews. Physical exams will be held later for those who qualify. Bring ball point pens, birth certificate, social security card, draft card, and notice of classification (if applicable).

WHAT COOKS ?
Your friendly journalism troll was merrily idling around Throop last Friday when suddenly a flurry of activity developed around the Provost's Office. Phone calls went in and out, as did various Deans and ranking members of the faculty. What was the object of the flurry which kept the top brass going past 6 on a Friday? Well that you should ask, for it's none other than IHC. Everything is being kept well under wraps, but there is a 95% probability that any announcement from IHC will come after their December 12 deadline. Just keeping you posted.

MATH DEPARTMENT ANNOUNCES PRIZES

The E. T. Bell Mathematics Research Prize and Morgan Award Competition come again this year. If you are interested inquire in the Math Office, 253 Sloan. The competitions are limited to Caltech undergraduates, with the E. T. Bell Prize for juniors and seniors and the Morgan Competition for freshman and sophomores.

“Fourth?”

by Robert Geller

North
S 7 3 2
H A 5
D A 7 6 4
C A Q 8 5

West East
S K Q 10 9 4 S 8 5
H K Q 6 2 H J 10 8 4 3
D 10 9 D 8 5 2
C 4 2 C K 7 6

South
S A J 6
H 9 7
D K Q J 3
C J 10 9 3

North-South Vulnerable
The Bidding:
South West North East
1 NT Pass 3 NT Pass
Pass Pass

Opening lead: queen of spades

One of the most familiar “deceptive” plays, but in reality little more than a simple hold-up play is the Bath Coup, ducking when your left hand opponent leads the king or queen in a suit in which you hold the ace and jack. It is tempting to make this play whenever the opportunity presents itself, but as today’s hand demonstrates that is not always a sound policy. Today’s hand is used by Ed

Pinner, a partner in New York’s famous Card School to show that there is more to bridge than just following rules blindly. Before reading any further, decide how you would play the hand in three notrump after the opening lead of the queen of spades. The lead of the queen is a standard lead among good players asking partner to drop the jack whenever he has it, thus removing any chance of falling for a Bath Coup.

What’s the Problem?

Since you are perfectly willing to lose three spades and a club, ducking the opening lead to guard against a five-two spade split seems like a good idea. The only fly in the ointment (I’ve been waiting to use that phrase in one of my columns for two years) is that West will be forced to shift to a heart, knowing that he will be giving away a trick by leading another spade into the ace-jack. The only way to get West to continue spades is by playing the jack of spades at trick one! Now West will surely play his partner for three small spades and will surely lead another spade, feeling certain that the contract will go down if you can’t take nine fast tricks. After winning the second spade and taking a losing club finesse you will have stripped the East hand of spades, preventing the defenders from taking five fast tricks to beat your contract.

Dr. Waser’s Star Pupil

by Phil Neches

When Chem 1a chose its representative to the Chemistry Department’s complaint committee, the class had a choice of two methods of selection: election, or “random selection by beautiful girl.” Being energetic frosh, they naturally opted for the later. Much to their surprise, the beautiful girl turned out to be Jill Fabricant, one of their classmates, and without a doubt, the most interesting addition to Chem 1 since Ludwig Boltzmann.

Jill came to Caltech this summer as a Research Trainee. She has been working in the Biology Department on gene mapping since the beginning of the summer, and has stayed on first term. Since she never had the privilege of taking Chem 1 at Mills College, where she is nominally a senior, she decided to take Chem 1 from that master of all Chem 1 profs, Jürg Waser.

No matter what the future brings for Jill, she symbolizes what we hope will be the future of Caltech, effective next year. So, to all present and future Jill Fabricants, the California Tech staff issues a most cordial welcome.



—photo by Neches

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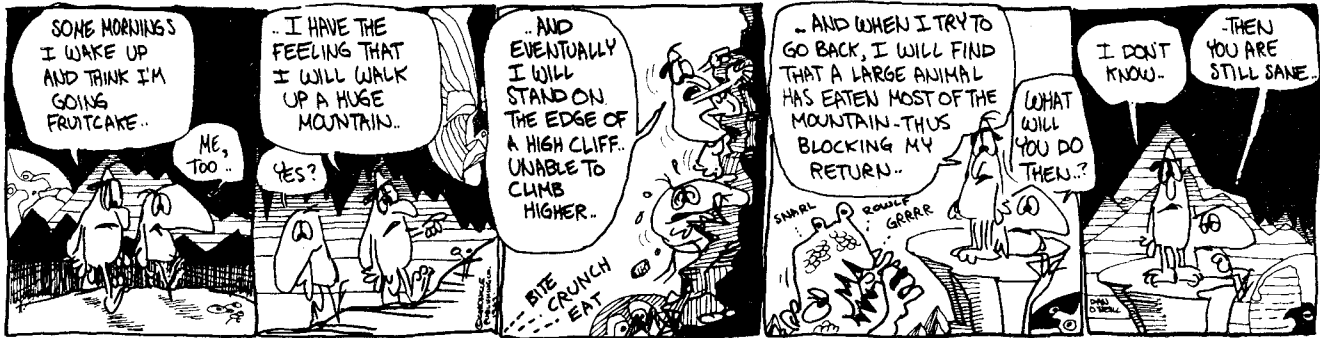
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Weihnachten!

Dan O'Neill

D

BODKINS



Eldridge Cleaver

The Black Moochie

Part Two

Ed. Note: This is the second of three excerpts from part two of *The Black Moochie*, a novellette by Eldridge Cleaver. Reprinted from the November, 1969, issue of *Ramparts Magazine*.

It seemed like there were orange trees lined up neatly along the sidewalk on both sides of the street, from horizon to horizon, each tree decorated with golden fruit like off-color Christmas trees. But this must have been the workings of my youthful mind. The Union Station is where we got off the train from Phoenix, Arizona. That our luggage got lost was only to be expected. As far as our family was concerned, all had been lost for some time now. Mother was pregnant in a black dress. She had red shoes on, garish like the country woman of her being. A high yeller belle from Little Rock, Arkansas, by way of Phoenix. But she was game, pregnant or not. She found our bags, trunks, boxes, and got us all loaded in a cab, and there was daddy with a truck. Just like that: one minute we were lost in a chaos that seemed too far gone to reclaim, and then the next minute we were in a cab breezing down Central Avenue. Magic was possible in those days. The next minute we were carrying our things into a house. Then mother was taking me to school the first day, where the boys teased me about my bangs and because I said "over yonder" and "chunk me the ball." They said I was "countrified." I had to fight them to prove I was human. When they saw that I knew how to bloody their noses, they showed me their teeth in smiles and showed me how to get my bangs cut down to L.A.'s size.

On the train from Arkansas to Phoenix there were only me, Helen, Wilhelmina and maybe James. We ran out of food. The porters were supposed to feed us according to a deal they had made with daddy, who was working on the railroad then, but on another line. A white lady with children was sitting in a seat across from us. She gave us chicken. I no longer feel the pain of that day's hunger, but at the time I must have really been in pain, because I've learned how hateful hunger can be. And it was a five or six day ride from Little Rock to Phoenix. These people were taking care of business. The war was going on. Here we were, a few among thousands, in the great population shift of hundreds of thousands pouring out of the South heading West for jobs, for opportunities in California. Later, people would taunt each other that Kaiser had brought them out of the big foot country. All those wide-eyed people staring at each other, into those mute faces, seeking some hint of a future anticipated with a growing terror.

It was in that house that music came alive for me. Before that, music may not even have existed.

Songs like "I Wonder," by Cecil Gant, never stopped playing. These Negro blues swept into my soul and excited the very core of my being. I had found an anchor for one corner of my life. Since then, these sounds have never ended for me.

Gladys ran that house. She rented space by the room. Every-

at each other. It was like a parade or carnival. Cars filled with black, brown and a room to spare rented it to the thousands of Negroes pouring into the East Side each month. The devils would not let them live anywhere else. Negroes were channeled onto the South Los Angeles Reservation like oil being pumped into a dumping ground. Gladys was always arguing and cursing with somebody, threatening to kill somebody, screaming at somebody to cut down their radio or record player. Everyone was always running through the house screaming and cursing. The rooms were separated by curtains slung across the doors. You might be eating and a woman would run through naked and screaming, a man running behind her with a long knife in his hand. "We got to move out of here, Leroy," Mother told daddy time after time. "This place is driving me crazy!" Or sometimes you'd walk through someone's room and see them on the bed intertwined and grooving in the heat of their grinding. They'd pause long enough for you to pass through, and as you secured the curtain behind you, you'd hear the bed start squeaking again as they tried to catch up to where they'd been before you interrupted them.

The Coca Cola Bottling Company on Central Avenue looked like a big battleship on the ground. There were portholes in the walls. We'd pass by and look in at the men working. The building was long and smooth and new. Everything else was ragged and falling down. On Sundays we'd go to the Rosebud Theater on Central Avenue, or to the Jinx Theater. Or, to splurge, we'd go to the Lincoln Theater. At night they played Keno, and silver dollars were to be won if you were lucky. The black people were all around you, making lots of beautiful black people's noise, raising hell. Fights broke out in the balcony.

Continued on Page Eight

THE CRITICAL EAR

Murray Roman: *A Blind Man's Movie*; Tetragrammaton T-120

This comedy album was produced by Murray Roman whose credits include writing for the now defunct Smothers' Brothers show. The vitriolic material on the album demonstrates that the Smothers Brothers did use some taste in the selection of the material they aired. The best description of the material on the album can be found on the six page album jacket. It is totally black except for the minimal identification on the spine. The material on the record is in some instances even blacker.

Roman manages to hit most of the standard sensitive areas on this record. He covers—among other things—women, race relations, drugs, homosexuality, religion, transplants, police, foreign policy, Ralph Williams, and of course Viet Nam. The material is very funny at times but it is possible that you will be offended before you are amused. Some of the digs at religion can rattle an atheist.

The album at least sounds as though part of it was taped at a live performance. There was however extensive overdubbing and the finished product is really a "sound collage" with multiple voices, music, and other noises floating through. This makes the record more than what you would hear in another medium. (There are of course other things that make this more than you would hear on TV.)

The album is clearly not for everyone. There is some question as to whether it is for anyone. At the end Roman does make the very valid point of "You are the only censor. If you don't like what I say, you can turn me off." I didn't turn him off. I'm not sure if he did as much for me, though.

—James Henry

performed to death, and thus it was with great pleasure that I listened to this particular disc.

Villancicos, as near as I can determine, are something like Christmas carols, only much longer and quite often secular, or, at best, with only nominal reference to the Christ Child. This group of four is quite jolly indeed and rather light, with only occasional intrusions of seriousness. They are deceptively simple, for, as with all of Soler's music, the almost barren structure is so cleverly (and yet sparsely) adorned that the melodic quality of the music is astonishing.

The Texas Boys Choir and Gregg Smith Singers do an excellent job in preseving the blatant joy and—to the modern mind—irreverent secular-ity in these pieces. They succeed admirably in remaining lighthearted and personal (as vs. apersonal—like Mahler's scores calling for literally hundreds of voices simultaneously shrieking their loudest).

If you like simplistic Baroque music of the pre-Scarlatti sort, by all means go out and buy this record!

—A. Koffmann

CHOPIN:
The Favorite Polonaises; Philippe Entremont (piano) COLUMBIA MS 7328

Performance: Exciting
Recording: Good
Stereo Quality: Lots

Entremont performs these first six polonaises strongly. He has all the necessary bravura to render each an entire entity, rather than a summation of parts. Although the tempo may have been more rubato than necessary, it was not felt that this freedom was uncalled for. The performance was definitely not like syrup.

The first polonaise, op. 26 no.1, flowed smoothly with the melody seemingly sung throughout. The second, op. 26 no. 2, is of a very defiant nature from the very beginning. It boldly reflects a grief, a struggle for survival in its fiery measures. This is also true for the third, op. 40 no. 1. It is the most dignified of the polonaises, yet the most martial (hence the nickname "Military"). Entremont's performance is quite lucid.

In contrast to the third, the fourth polonaise, op. 40 no. 2, has a deep-felt sorrow and melancholy. However, Entremont is careful not to overdo the tragic character. It

never gets mushy. The fifth, op. 44, is the longest of the first six. It is one of Chopin's strongest compositions, almost nightmarish in quality. Entremont's performance of this, and also of the sixth polonaise, op. 53, is quite awesome. He does not allow either to become messy or confusing at any time.

The recording itself was good, with little unwanted noise. However, the individual pressing left something to be desired. Upon immediate opening of the envelope, large fingerprints were visible on both sides of the record. At least, the stereo separation was excellent. In general: a valuable addition to one's collection.

—Harvey Risch

Lewenthal, piano, Mackerris with the London Symphony Orchestra: von Henselt: Piano Concerto; Liszt-Lewenthal: Totentanz; Columbia MS 7252.

This recording is the first in the "Raymond Lewenthal Romantic Revival Series." Lewenthal is probably several notches above Liberace as a pianist, despite what you might gather from the record jacket, which depicts the pianist in a black cape against a fresco which looks like something out of a thirteenth century nightmare, and the somewhat heroic notes on the reverse. The music itself is actually quite pleasant, representing as it does the culmination of the Romantic era. The von Henselt is a sort of cross between Chopin and a 1940's Hollywood filmscore. It has less line and structure than, say, the Second Piano Concerto of Chopin, and it tends to forget itself in escapades into cheap virtuosistic trickery, but it is also a good deal more optimistic, as is emphasized by its hero-standing-on-the-mountaintop-at-sunrise themes and somewhat

Continued on Page Eight

"GOODBYE, COLUMBUS" IS A VERY FUNNY, IMMENSELY APPEALING MOVIE: A THING OF REAL AND UNUSUAL PLEASURE!"

Vincent Canby, N.Y. Times

GOODBYE, COLUMBUS

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Donal Leace is impressive. He is from the east coast, and doesn't have much of a west coast following yet, but he deserves one. He does a variety of songs, and does all of them well. He does Leonard Cohen's "Suzanne," and "Something" from "Abbey Road" fantastically well, the latter much better than Joe Cocker's pretentious version. Donal's version of "This House" had more feeling than any other rendition that I have heard.

During the first week of Donal Leace's headlining at the Ice House, the other acts were interesting, but not great.

Rusty Stegall is a country-western singer of reasonable quality. He is quite good on an old Marty Robbins song called "Running Gun," and on "Me and Bobby McGee." In general, however, I've heard better country-western music.

Ken Greenwald was also on the

bill, and is a fine comedian. He was on television's "What's it All About, World?" AND I can see why. His bit about movies are good, but I really like his sketch about horrifying images and phrases. They are somewhat akin to those done in a certain magazine I don't feel like plugging, but he does a couple that they've never tried. His act is quite relaxed, and well worth seeing.

Still playing with Donal Leace (through next Sunday) are two fantastic acts, good for pre-final flicking.

Fats Johnson and Dave McIntosh are a singing duo, and very hard to describe. For the most part, Fats plays what appears to be a nine-stringed guitar, while Dave plays along on a normal six-string. They did songs written by Dave, such as "Pigs to Town." They also do other ballads, such as "July,"

Continued on Page Seven

Hope Is Great; Black or White

by Sharon Mason & Phil Neches
TECH Drama Staff

Elliot Gordon can congratulate himself for the results of the Third Subscription Season at the Ahmanson Theater. First in the series, *Hadrian VII* (previously reviewed) proved to be a brilliant success. Gordon has done as well with *The Great White Hope*, starring Peter Brock.

The Great White Hope is somewhat loosely based on the life of the first black man to become Heavyweight Champion of the World, Jack Johnson. The passions which surrounded his final defense of his crown, which went 26 rounds in 102 degree heat in Chicago, led to race riots (remember the Chicago race riots of circa World War One?).

Peter Brock, as Jack, brought the same aura of excitement to the role that must have characterized the times. His marvelously deep, resonant voice filled the theater without even needing to try. Brock brought a high degree of skill to his portrayal of a man suffering from the unremitting attack of those around him.

Some of the Best Parts . . .

The actresses who portrayed Elle,

Jack's mistress, and his former mistress played their emotionally-charged parts for every bit of drama they were worth (which was a lot). Well, many of the best female parts are bitches . . .

One scene in particular, when Jack and Elle have their confrontation in the barn, was a magnificent sample of the Thesbian art. Both Jack and Elle must deliver their lines simultaneously as the playwright unveils the disintegration of the personalities of both of them have undergone. The scene must have been hell to play and more hell to rehearse, but the audience could scarcely breathe, so great was the impact.

Pulitzer Prize

The Great White Hope received the Pulitzer Prize for this year, which it eminently deserves. However, the play probably won the prize on the strength of the acting. In several places, the script contains characterizations which seem implausible. The character of Jack is that of an extremely strong, flexible man with a great deal of native intelligence. The character of Elle, at least in the first act, is that of a woman sufficiently strong to flout convention by openly being the mistress of a black man (in case you are a little lost, Elle is white).

In the second and third acts, the characters seem to be different people. Elle becomes an ashen-faced, border-line neurotic due to some reaction to the change in their living style which the playwright does not explore. Jack lacks the sense of equilibrium, the flexibility, and the acumen which he had in the first act, with no explanation from the playwright.

Acting Artistry

However, these faults are overshadowed by the acting skill of the entire company. The play has a company of about 90 players, and includes seventeen changes of scene, all of which are coordinated and

Biology

Continued from Page One

Division: psychobiology, biological basis of behavior and learning, psychopharmacology, vertebrate neurophysiology, biochemistry of cell-cell interactions, immunological control mechanisms in higher organisms, immunogenetics, membranes, neoplasia and differentiation, biology and social problems, nucleic acids, radiation biology, protein chemistry, molecular biology, virology, physical chemistry of macromolecules, molecular neurobiology, and the molecular aspects of development. Enrollment is open to all undergraduates, and those interested should see Dr. William Wood (203 Kerckhoff) or Jessica Tuchman (224 Kerckhoff) as soon as possible.

Best Way

The tutorial arose from the work of the Biology Curriculum Committee, an ad hoc group composed of faculty, graduate students, and undergrads. The approach of the Committee is based on the premises that education is not an assembly line process, that there is no set "core of essential knowledge" in biology, that there is not "best" way to interact with students, and that each student is an individual. Among the proposals being considered by the committee, besides the tutorial program and undergraduate mailboxes which are already realities, are an undergraduate center (lounge), an undergraduate advisor along the lines of the New Grad Student advisor, and increased undergraduate participation in the regular seminars of individual research groups.

staged with the usual aplomb shown by the Center Theater Group in such technical matters. Each of those players, and all of the men behind the scenes gave their best efforts: the acting, even in the smallest roles, was excellent, the sets lavish, the staging brilliant.

This event will be at the Ahmanson through the middle of January. It is well worth your effort to see.



Christine Crouch and the 40,000 pumpernickels

ONCE upon a time an ugly old crone named Christine Crouch sauntered down to her local fish pond to catch some dinner. As she reached the pond's edge, a beautiful golden fish emerged.

"Boy, are you ugly," the fish said. "But besides that I happen to be a magic fish who will grant you some wishes."

"Oh, huzzah!" she blurted. "I want beauty, a car and a lot of bread so I can open a savings account at Security Pacific Bank."

"Beauty you can forget," said the fish. "The other two wishes, maybe I could grant for you." Then the fish disappeared. When Christine got home, she found a 1938 Hudson parked in front of 40,000 loaves of pumpernickel.

"That smart aleck magic fish!" Christine croaked. "How can I open a Security Pacific Bank savings

account with pumpernickel?"

Just then a magic chicken happened to stroll by.

"Whew! Are you ugly!" the chicken said. "Would you like to trade that pumpernickel bread for a golden egg?" This she gladly did. Then, egg in hand, she drove her 1938 Hudson to the nearest Security Pacific Bank and opened an account. Christine no longer had any pumpernickel but she did have a savings account at Security Pacific Bank.

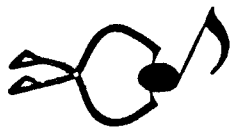
The tellers always smiled and cheerfully accepted the ugly old crone's smallest deposits. Which only goes to show that you're always welcome at Security Pacific Bank—even if you don't have a lot of bread.

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UNDERWRITERS AND INVESTMENT BANKERS

Wright and Logan Explain Lottery; Student Deferments

Happy Birthday to You from Uncle Sam

To the best of our knowledge, all the information in this column is accurate at the present time. However, judgements by the courts or changes in the Regulations occur often. A counselor or lawyer should be consulted before taking any major action that will affect your Selective Service status.

Gospel According to Nixon

On November 26, 1969, President Nixon signed a law which eliminated section 5(a)(2) of the Military Selective Service Act of 1967. That section, in effect, required that those eligible for induction be selected oldest first. It alone was repealed. The rest of the act, including all the sections authorizing deferments, remains intact.

With the repeal of the section, Nixon was able to issue, also on November 26, Proclamation 2945 establishing a random selection method (the "lottery") and Executive order 11497 amending the Selective Service Regulations to provide for random selection. Copies of both documents may be found in the Selective Service corner of the Reserved Books section of Millikan Library. The lottery is not written into the Selective Service Act. Its existence depends solely on Presidential orders. As such, it may be substantially altered or even completely revoked at any time by new Presidential orders.

The Proclamation ordered the impartial drawing of 366 days on December 1, 1969, in order to obtain a random selection sequence to be used in determining "the order of selection of registrants who prior to January 1, 1970, shall have attained their 19th year of age but not their 26th and who are not volunteers and not delinquents." It also states that "new random selection sequences shall be established, in a similar manner, for registrants who attain their 19th year of age on or after January 1, 1970." Finally, it proclaims that the "random sequence number (originally) determined for any registrant shall apply to him so long as he remains subject to . . . random selection."

The Executive Order amends certain Selective Service Regulations to provide for the implementation of the random selection method. It states that "when a call is received . . . from the State Director of Selective Service for a specified number of men to be delivered for induction (note that the local board quota system is still in effect), . . . the Executive Secretary or clerk, if so authorized [our emphasis], or a local board member shall select . . . for induction . . . the number of men required to fill the call from among its registrants who have been classified in the Class I-A or Class I-A-O and have been found acceptable for service in the Armed Forces and to whom a Statement of Acceptability (DD Form 62) has been mailed at least 21 days before the date fixed for induction: *Provided*, That any registrant classified in Class I-A or Class I-A-O who is subject to random selection . . . whose random sequence number has been reached, and who would have been ordered to report for induction except for delays due to a pending personal appearance, appeal, preinduction examination, reclassification, or otherwise, shall if

and when found acceptable and when such delay is concluded, be ordered to report for induction *next after delinquents and volunteers even if the year in which he otherwise would have been ordered to report has ended and even if (in cases of extended liability) he has attained his twenty-sixth birthday* [our emphasis]."

The provision quoted makes it no longer possible to avoid induction by prolonging your appeals until you reach your 26th birthday or until the year fixed as your year of maximum vulnerability ends. "Pending reclassification" as used in the provision should most probably be interpreted as "reconsideration" or "re-opening and reclassification to I-A or I-A-O." A broader interpretation that would include receiving a deferment or exemption as a result of the reclassification would appear to be quite unfair as well as beyond the intent of the provision. However, such an interpretation is possible and might be used by some local boards.

The Executive Order specifies that registrants eligible for induction be called in the following order: (1) Delinquents who have reached the age of 19, oldest first. (2) Volunteers younger than 26 in the order in which they volunteered. (3) *In the calendar year 1970*: nonvolunteers who have not reached the age of 26 and who received a "random" sequence number in the drawing on December 1, 1969 (this group is called the 1970 Selection Group), in the order of their numbers. Anyone who received such a number and becomes I-A during 1970 is in this group, as well as those who are I-A at the beginning of 1970.

In the calendar year 1971, and in each subsequent year: First, (a) nonvolunteers who turned 19 during the year preceding each such calendar year and (b) nonvolunteers who prior to January 1 of each such calendar year have attained the age of 19 but not of 26, who during the calendar year are classified I-A or I-A-O following expiration of deferments or exemptions or otherwise, and who have not yet turned 26 (these people are called the First Priority Selection Group for each such calendar year), in the order of their random sequence numbers; Second, those in the Second Priority Selection Group for each such calendar year, in the order of their numbers; etc. (4) Nonvolunteers younger than 20 who attained the age of 19 during the calendar year, oldest first. (5) Nonvolunteers 26 or older, youngest first. (6) Nonvolunteers younger than 19 who have attained the age of 18 years and 6 months, oldest first.

Those who, on December 31 of a calendar year, are members of the First Priority Selection Group for that year (the 1970 Selection Group may be considered the First Priority Selection Group for 1970) and whose random sequence numbers have not been reached by that date shall be assigned to the Second Priority Selection Group for the following year. They shall continue to move into successively lower priority groups each year thereafter.

Anyone in a lower priority group (lower than the First) who receives a deferment or exemption while in that group and who later is reclassified I-A or I-A-O "shall be assigned to the priority group in

which he would have been if he had not received such deferment or exemption." Registrants who maintain a bonafide family relationship with a wife they married before August 27, 1965, cannot be selected until all other members of their Selection Group have been selected.

Those who are removed from the First Priority Selection Group for a particular year by receiving a deferment or exemption and who, in a later year, are reclassified I-A or I-A-O will join the First Priority Selection Group for that later year (unless they turned 26 before being reclassified, in which case they are no longer subject to random selection. The 26 cutoff may not hold for those who have requested and received student deferments since June 30, 1967: see section entitled **Dangers of II-S**).

Two observations are worth mentioning: (1) Students who will not have reached the age of 19 before 1970 will probably not need a II-S deferment until the fall of 1970, due to the Order of Call. (2) Registrants with a good number should wait until they see how fast birthdays are being taken by their board before they give up a deferment in order to enter the pool. The State Director of California, for instance, issues calls for twice as many men as he actually needs, since half of those ordered to report for induction are not inducted for some reason or another. With this in mind, some knowledgeable people estimate that a number 300 in California would provide its owner with a 50-50 chance of being ordered to report for induction.

Undergraduate II-S

A II-S deferment is mandatory for any undergraduate who (1) is under the age of 24, (2) is making normal progress toward a baccalaureate degree, (3) is taking a full-time course load, (4) has had Caltech send a Student Certificate, SSS Form 109, to his local board, and (5) has requested the II-S in writing, either by a letter or by signing SSS Form 104. Normal progress is defined as completing each year 25% of the units required for graduation, if in a four year program.

Graduate II-S

A II-S is also mandatory for any graduate student who is pursuing a full-time course of study in medicine, dentistry, veterinary medicine, osteopathy, or optometry (see issue 5 of volume II of *Counterdraft* concerning optometry). The only other graduate students who are supposed to be able to receive a II-S are those who entered their fourth or fifth year of continuous study in a doctoral (or combined master's-doctoral) program this fall (1969). We use the words "supposed to be" because some local boards (for instance, a few in Connecticut) are illegally granting II-S deferments to other graduate students. Any graduate student who is eligible for a II-S must have Caltech send SSS Form 103 to his local board and must write a letter requesting II-S.

Dangers of II-S

An undergraduate student who has requested and received a II-S since July 1, 1967, can receive neither the I-S(C) deferment as a graduate student nor the III-A "fatherhood" deferment (he can still claim a III-A for hardship reasons). Selective Service has claimed that a graduate student who

has requested and received a II-S deferment for graduate study since July 1, 1967, is also barred from receiving either the graduate I-S(C) or the fatherhood III-A. The actual law, however, does not support the claim. A Texas court recently ruled against such a claim by Selective Service as regards the graduate I-S(C). More court decisions in other circuits will be needed to reverse the stand taken by Selective Service.

To constitute a bar, the II-S must have been requested—and the request must have been made *after* June 30, 1967. That is, if you have had a II-S since that date but have not requested a II-S since before then, you are probably not barred from a fatherhood III-A or a graduate I-S(C). Some prominent draft lawyers also maintain that if you received a II-S *before* you actually requested it (and if you have not been granted another II-S since the request was made), you are still eligible for the fatherhood III-A and the graduate I-S(C) even though both the receipt and the request occurred after June 30, 1967.

Both the II-S deferment and the I-S(C) deferment (which will be discussed next) throw a registrant into the "prime age group" upon termination of deferment (unless the registrant has reached the age of 35) according to the provisions of the 1967 draft law. However, Nixon's Executive Order 11497 amending the Selective Service Regulations appears to have ignored this provision in the law. Instead, the Order provides that a registrant who has had any deferment and is subsequently classified I-A *before reaching the age of 26 shall be thrown into the prime age group in existence when he became I-A*. Anyone (except delinquents and medical specialists) who reaches the age of 26 while still deferred would appear to be fairly safe, since, according to the Order, he is no longer subject to random selection. The differences between the law and the Order, if not resolved, will perhaps lead to different interpretations by different boards and will undoubtedly lead to court cases.

Considering the real and potential liabilities incurred upon receiving a II-S, any student who has a fairly reasonable claim for any other deferment(s) should pursue that

claim before requesting a II-S. If he does everything necessary in order to obtain the II-S (including having Caltech send his local board a Form 109 or 103) *except* for actually requesting the II-S, his board may be one of those that will erroneously grant the II-S and he will have obtained the deferment without incurring its liabilities. If the board does not grant the II-S, he should follow the appellate process attempting to get the other deferment(s), waiting to request the II-S until he is in danger of being inducted in the next few months.

A student contemplating serving as the father to a child (you do not have to be married or even be the actual father) in the next two to three years can use the appeal process, a I-S(C) deferment, and a conscientious objector claim to keep from being inducted until he actually establishes the parent-child relationship required in order to receive a fatherhood III-A. He can do this even though he is not eligible for any deferment (other than the II-S, which he must avoid requesting, and the I-S(C)), but he should plan his tactics carefully with a good counselor.

Undergraduate I-S(C)

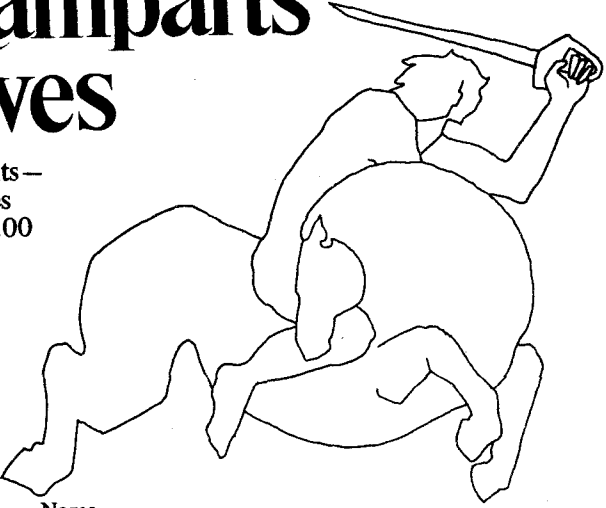
Any full time undergraduate (no matter what age) who is mailed an order to report for induction *while attending school* (no good if during summer vacation) and who has not previously received a I-S(C) deferment must be granted a I-S(C) if he requests it in writing from his local board and has Caltech send verification of his student status. No one can receive the I-S(C) more than once. A I-S(C) is good until the end of the *student's* academic year (ordinarily, September to September) or until the student graduates or gives up full-time study.

Upon termination of the I-S(C), the student must be reclassified before he can again be ordered to report for induction. As such, he has the usual rights of personal appearance and appeal after a reclassification. Thus, should a student for some reason fail to graduate after the usual four years and be classified I-A, he could follow the appeal process for a minimum of 6 months, obtain the I-S(C) deferment for his fifth year of school, and then appeal again.

Continued on Page Seven

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Draft

Continued from Page Six
upon losing the I-S(C). The I-S(C) deferment does not bar you from receiving a fatherhood III-A.

Graduate I-S(C)

A very few graduate students may also qualify for a I-S(C) deferment. See the section entitled Dangers of II-S for the restrictions on eligibility for a graduate I-S(C). The means of obtaining the I-S(C), the period of deferment, etc., are exactly the same as for undergraduates. A graduate student cannot receive a I-S(C) if he has already had a I-S(C) while either an undergraduate or a graduate.

Matmen Maul Azusa

The Caltech wrestling team crushed Azusa Pacific 43 to 5 last Thursday on their mat in the first dual match of the season. Then on Saturday in the Caltech gym the University of California at San Diego grapplers defeated the Beavers by a score of 26 to 12.

At Azusa Pacific College Thursday Mark Morris at 118, Phil Gschwend at 134, and Keith Harris at 167 all won by forfeits to give Tech a 15-0 lead before the wrestling began.

In the 142 pound class Randy

Lewis defeated his opponent by a pin after one minute of the first period. Gary Zieve won by a fall with 25 seconds left in the second period in the 150 pound weight class. In the 158 pound class Doug Wood won for Caltech with a 15 to 2 decision. Richard Short pinned his opponent in the 177 pound class after 1:10 of the third period. John Morton was another Beaver wrestler who won by a fall in the 190 pound class after 1:40 of the first round. In the heavyweight class Bruce Johnson pinned his opponent with ten seconds left in the opening period.

In exhibition matches Bruce Johnson won another match by a pin after 1:50 of the first period, and Phil Gschwend pinned his man after 1:05.

Against UCSD, Gary Zieve, Doug Wood, Richard Short, and Bruce Johnson won by decisions, to account for Tech's 12 points. Zieve defeated his opponent 9-4 in the 150 pound class. Wood took a 5-1 decision in the 158 pound class. In the 177 pound class, Short beat his opponent 6-2. Johnson scored a 5-2 decision in the heavyweight division.

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SPROTS MENU

by Brussel Sports

TECH Vegetable Editor

Saturday, December 13: Caltech Rugby Club, 7-a-side tournament at San Fernando — Other than that, Tech athletes flick it in for the term. See you all when Tech once again disproves its athletic prowess second term.

Frets & Frails

Continued from Page Five

You're a Woman," made a hit by John Stewart. They have a forthcoming album, and it sounds like it will be good.

Jo Ellen is a female vocalist of a rare and high calibre. She entranced the audience from the time she walked on stage. Her voice reminds me somewhat of Joni Mitchell's latest songs. Jo Ellen does a version of "California Bloodlines" (it's John Stewart night, fans) that is almost beyond belief. Her version of "Helplessly Hoping" is almost as fantastic as the original by Crosby, Stills, and Nash. Jo Ellen does some of her own songs, too, such as "Down the Road," and they are good.

I know that most of my readers are either taking or giving finals in a few days, but if you can spare a little time and a couple of dollars, you should go and see this show at the Ice House, and fall in love with Jo Ellen's voice.

For any of you who will be around over the Christmas break, interesting things are happening at the Ice House:

Amanda Ambrose, a singer who formerly toured with Harry Belafonte, appears from Dec. 16-21.

Casey Anderson, who was just on the Glen Campbell Show recently, appears on Dec. 23, 26, 27, and 28.

Belland and Somerville are there from Dec. 30 until Jan. 4. They were great when they were here last month, and so if you missed them then, you have another chance.

—Nick Smith

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Cleaver . . .

Continued from Page Four

Girls screamed in the dark. Cigarette smoke curled up through the lights streaming from the movie projectors. People were constantly coming and going.

On Sundays, Negroes would dress up and walk up and down the street looking at each other. It was like a parade or carnival. Cars filled with black,, brown and yellor faces drove up and down the Stem, music blasting from their radios. Juke-boxes blasted different songs back to back. You could walk from one end of the Stem to the other and never be beyond the sound of music, black voices screaming out the Blue funk of black lives. The Stem. Central Avenue. The different lives I've led on the Stem and the lives taken from me by the Stem. These lives lie upon one another like layers of skin, floors of a skyscraper, tiers of a cellblock, layers of a tall cake. These years and these days, changing hourly, are the icing between each layer, and is my present Self spread over the top like blood trickling down an obsolete wall, soaking into the sod of me on the bottom.

Szolovitz Continues

Continued from Page Two

personal interaction must be the thing. we can only transfer our humanity by being human . . . not lectures, not only books, but realness, feelings, concerns, thought, rationality . . . not as a textbook or a two-thousand years dead philosopher says, but from person to person. grad students who get out of tech make it big. the talent is there, but it must be brought out by each man's commitment. each man's interaction with others. we must provide that for ourselves. i'm tired of crying over profs who can't cope with the shit when they're the best ones, the ones who care. i can't take it anymore when the sophomore comes to me and says he's leaving 'cause he just has to run away from here. WHAT ARE WE DOING TO THEM? thirtythreepercent. shit. got to be a way . . .

How can I ever turn this into a program? People just don't see. They are blinded by their success and it's easy to pretend that they who didn't make it just "didn't have it." "Love it or leave it!" Work is hard, and rewards must be postponed. I know, but why? WHY? Where is the rule written

that all men must suffer before they can be great? And if so, why do so many suffer and not recover? Must invent a program to chase away the devil . . . cure the world.

what if they gave a school and no-one came? maybe they would all be out doing what was VITAL to them. everyman must have that in him. got to find it . . . got to! fuck the meek—the strong shall inherit the earth!

—Peteszolovitsdecemberninth . . .

Steady Pulse

Continued from Page Two

The classroom problem is even easier to solve. For the daytime hours, our overall classrooms are used at between one-third and one-fifth of capacity. The six lecture halls and forty-plus classrooms are significantly occupied only at 9, 10, and 1 o'clock. The least popular time is Friday at 8—surprise!

Green Mansions

Further investigations into diversified methods of housing for Caltech people is being done by the Housing committee relative to converting some of the large houses Tech owns into residences for a group of individuals, undergraduates or grads. This might relieve some of

the on-campus housing bind as well as provide some opportunity to study different arrangements of housing. Eric Schiff in Blacker is working on this, if you are interested.

Some features will be forthcoming after vacation on the subject of undergrad scholarships, for those who are interested. If you have any particular gripes or comments, send them to me in Winnett.

The ASCIT Musical has already mutated from its form as reported last week. Further details will be reported immediately upon the beginning of second term. We apologize to those on the mailing list for not keeping them posted on what's going on—you'll hear from us shortly. If anyone out there would like to help, or just be on our mailing list, drop a note to me in Winnett.

Ears Keep Listening

Continued from Page Four

open texture, than Chopin. There are moments in the work when some genius on the part of von Henselt becomes apparent, but on the whole it does not rise to the caliber of works written at the same time by Schumann, Chopin, Brahms, and others.

The Totentanz is a bombastic adaptation of Liszt's more restrained (!!) work. Despite its rather pessimistic title, it, too, has a distinctly confident undertone, and its virtuoistic carryings-on are very much of the style in vogue some forty or fifty years ago.

These pieces certainly succeed as vehicles to display Lewenthal's considerable grasp of the more extreme products of the Romantic era. However, the Lewenthal-Mackerras team also has the artistic integrity to bring out the subtler aspects of the works it performs. Perhaps, in the end, a little more phrasing and shading and concentration on the real (not apparent) innards of the works, in place of pianistic fireworks, would help matters. But I suspect, given what the performers have to work with, that this disc represents a very commendable job.

—A. Koffmann

Oh kmo ne zhaem,
u ne zhaem me on
ne zhaem, modako
melkoem.

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