

BOD Granted One Revision In Small Vote

With only a small percentage of the undergraduate body voting, the By-Law Amendment I was approved Tuesday, while Amendment II was defeated by a narrow margin.

Amendment I grants to the BOD the power to conduct the ASCIT elections in accordance with the newly approved By-Law Resolution detailing runoff procedures for class elections. The rules now provide for a runoff between the highest two candidates in a field of five or among the highest three in a field of six or larger. Second runoffs, should they become necessary, are won by the candidate having the greater number of votes.

The old By-Law wording provided only for a runoff election in case no candidate received a majority on the first ballot with no further details outlined.

Defeating Amendment II retains the stipulation prohibiting a student from serving on the BOC for two consecutive terms.

The class election procedure outlines a BOC runoff exactly the same as for offices to which one person is elected. A candidate is elected as soon as he receives a majority of the votes cast in one election. The runoff candidates are determined with the elected person removed from the field.

RA Applicants Dine In Houses

Four applicants for the ensuing Resident Associate vacancies in Blacker and Fleming have been eating dinner in the Houses this week. Applications will remain open until May 1.

The list includes Roy Greenfield, geology grad student from New York City; Robert Carter, chemistry teaching assistant from Jamaica, New York; Richard Stanford, Ph.D. in chemistry, from Dallas, Texas, and Nelson Lieberman, geology grad student, also from New York.

Michael Duke has applied for the position of Throop RA. He is a Caltech graduate and former social chairman and president of Throop Club. A geologist, he studied at Penn State, following his graduation and has returned to Tech for a Ph. D.

Classes Nominate Officers Tuesday

Special nomination meetings for next year's class officers will be held next Tuesday during lunch in the student houses.

The same procedure used last year will be followed. All freshmen will eat lunch in Fleming House, sophomores in Ricketts, juniors in Blacker and the seniors in Dabney.

The nominations will begin at 12:25 and will remain open until Monday, May 4. The elections will be held on Tuesday, May 5.

Frosh, sophs and juniors will all be choosing presidents, vice-presidents, secretaries, treasurers, athletic managers and Board of Control representatives.



WILL HERBERG, visiting theologian, delivers opening address in Dabney Lounge.

'Japanese' Delegates Active At Model UN

Four days of internationally-flavored intellectual and social activity began yesterday for the 11 Techmen who are attending Model United Nations.

Over 1000 students from colleges in eight western states are attending the conference, which is being held at USC. Each school represents one of the 83 UN member-nations. Caltech is supplying the Japanese delegation.

Scheduled activities for today and tomorrow include meetings of the five General Assembly committees, the 11-nation Security Council and the International Court of Justice.

Mike Milder and Pedro Bolsaitis will discuss nuclear disarmament, Algeria and use of outer

Gell-Mann Gets Top Physics Prize

Dr. Murray Gell-Mann, professor of theoretical physics, has been named the winner of the 1959 Dannie Heineman Prize for Mathematical Physics last week. Gell-Mann will receive the award May 1 in Washington, D.C., at the spring meeting of the American Physical Society.

Gell-Mann was cited "for his contribution to field theory and to the theory of elementary particles."

The Heineman Prize was established several years ago, but this is the first year it has been awarded in the field of mathematical physics. The stipend of the award is \$2,500.

Gell-Mann is best known on campus for his work with Dr. Richard Feynman in the field of weak particle interactions.

Thompson To Fill Empty BOC Post

The Board of Control announced the appointment of Bob Thompson to the BOC. He will fill the vacancy left by Kent Frewing. Thompson's term on the BOC will last until the end of the year, when the newly elected officers take over.

space on the political and security committee.

Tom Morton will work on technical assistance and the development of underdeveloped areas on the economic and financial committee.

Human rights and the care of refugees will be handled by Bill Bauer in the social and cultural committee.

Ken Didwiddie will represent the Japanese stand on the problems of non-selfgoverning territories in the trusteeship committee.

Special problems of UN organization and jurisdiction will concern Doug Carmichael and the special political committee.

Dave Nissen and Cleve Moler are representing Japan on the Security Council. Their agenda includes the Berlin, Iraqi and Haitian questions and a possible emergency session on Tibet.

Ken Scholtz and Roger Noll will take the floor in the ICJ either today or tomorrow to argue their nuclear bomb-testing suit against the US and USSR.

The Age-Old Battle

Suntanned Seniors Reassemble Rooms

Leaving loving friends behind, Tech seniors left early Monday for the beach and Ditch Day. Sunburned and surly, they limped back around 6 p.m. and immediately started griping about the unoriginal tricks played on them.

Samples of same included: Walt Johnson, after fixing room with serve-mechanisms to keep it closed while he was away, returned to find two small wires he planned to cross to open door had multiplied to 76.

Dick Montgomery found his furniture at the bottom of a pit in Robinson.

Mike Milder found his buried under an eight-foot beach ball. Showing a creative spirit, he immediately gave a guitar concert as he sat on slowly shrinking sphere.

Herberg Outlines Modern Theology

Existentialist Justifies Faith On YMCA-Sponsored Visit

By Lance Taylor

"Life under conditions of existence is radically anxious and insecure."

Taking this approach to life as his basic premise, theologian Will Herberg explained his approach to the problem of the existence of God in a YMCA-sponsored campus visit this week.

Speaking to large crowds in Dabney Lounge and in private discussions with students, Herberg gave an "existential analysis" of man's position in his own terms of anxiety, faith and the courage to be.

Three Paths Open

According to Herberg, man can take either a naturalistic, an eternalistic, or a historicist approach to the world around him, but he cannot consistently take more than one.

Naturalism is a belief in the divineness of nature. A naturalist seeks only to lose himself in the ebb and flow of nature. Doing this, he loses both self and identity. He calls an approach to reality which sees man as only a biological entity reacting automatically to external stimuli an example of this.

Types of Reality

Herberg's second world view—eternalism—involves a separation of reality into appearance, which is transitory and changing, and ultimate reality, which is timeless and immutable. Here too, man loses self, for although he has a transitory existence in appearance, his ultimate existence lies in something both immutable and beyond understanding. Naturalists lose self and history because there is no rational history in the cycles of nature, and eternalists lose them because nature, the only place where self and history exist, isn't real to them.

Obviously holding the third view, Herberg takes nature as real but not ultimate. Historicism implies that man has a limited existence in nature, but that

there is something undefined which faces him beyond nature.

Existentialism enters here, for man must choose one of these three views as his ultimate approach to life, or else he exists only in a sense that he stands forever at the crossroads.

If he chooses historicism, as Herberg does, he is again faced with doubt and anxiety, for he still has not chosen his "ultimate history."

Man's Basic Ideas

Man is faced with doubt in the historical view because he is a finite creature and realizes it. This "amphibiousness" leads to what Herberg calls "basic anxiety."

Basic anxiety also stems from man's realization that he must always make decisions on incomplete grounds and from his finding himself alone in an alien universe.

Thus man stands always on a brink and has basic fears of falling. If he falls he ceases to exist.

(Continued on page 5)

ASCIT Seeks T Applicant

Applications for Big T editor, Students' Day Chairman and head yell leader will remain open until April 27, according to Bill Hilchey, ASCIT Business Manager.

To date, no applications have been received for the office of Big T editor.

Only one application has been received for head yell leader.

Interest and desire are the necessary qualities, not experience emphasized Hilchey. All that is necessary for an application is a note indicating interest put in the H box in Blacker.

Final appointments for all ASCIT offices will be made by the BOD in the next two weeks.



BEACH BALL AND FRIEND*

King of them all is the senior who found a hodgepodge of plumbing underneath his sink. About to replace sink "U" tube after chipping away all the

pipes, he discovered the trap was full of water. Bless his heart, he poured it down the sink.

*Former Tech editor, Mike Milder



Techmen returning from the Mobilgas Economy Run on a chartered airline flight join the rest of the nation's collegians who frequent small places. Fifteen observers crowded themselves into a room ordinarily used by only one person at a time.

Editorial

Sour Grapes

Tuesday we witnessed a minor, though significant, example of an ineffective student body government and a disinterested student body. The voting on the by-law amendments was a farce.

The Board of Directors, involved in the appointment of EPC members and the analysis of office expenses, ignored the amendment procedures outlined in the Corporation by-laws. The proposals were NOT publicized for a week. Bill Bauer, who usually provides us with eloquent commentary on all the issues before the Board, was never heard from. Last week's California Tech was ready for the presses before we discovered what was being proposed.

As a result, the amendment allowing Board of Control members the opportunity to succeed themselves was defeated. This proposal could have provided the BOC with the continuity and experience it sorely needs, but very few people realized this.

Adopted on the same ballot were over 1000 words of election procedure that we venture nobody but Jovin, Bauer, the California Tech proofreaders and anybody a week ahead in his studies had read. It turns out that it is a fairly reasonable procedure, but very few people knew this either.

Let's do it right next time.

More On Joining Crowds

Today's letters to the editor are a good indication of the student body's interest in the problem—Techmen's lack of social awareness—we discussed in last week's editorial. Mr. Somberg's letter, however, seems to have missed the point of our comments.

We are not condemning good-clean-college-fun. The California Tech policy makers might be considered advocates of screwing around.

The difficulty arises when we try to define the line between having fun and being obnoxious. The best solution is to create a mature atmosphere for social development. This will eventually provide us not only with the ability to differentiate between the two, but also with enough interest in our social stature so that we stop and THINK before we start playing hopscotch in front of the church.

Letters To The Editor

Last Week's Editorial Brings Comment

Editor, California Tech:

In regard to your editorial of April 16, several points need elevating. The letter quoted in part seems to illustrate some of the very attitudes that you wished to enunciate—attitudes that were not given proper, conscious treatment in your own condemnation.

In the first place, no levers or controls in the cockpit of the plane were touched. That the "anonymous" letter-writer should jump to this conclusion, that he should concern himself with what one person shouted through a closed window of a bus at USAC officials who obviously could not hear the supposed insult, seems to characterize him as an individual far more concerned with his own self-mortification than with any reformation project of the California Tech. The impression of this writer is that our quoted friend was painfully shriveling in his bus seat lest a USAC official stomp aboard the bus and accuse him of the misdemeanor. Apparently, this rather basic fear quite transcended his ability to size up the situation in all its important details.

His other complaint should have been the meat of his treatise on Caltech. The sending back of half-eaten steaks and the constant, finicky complaints of people who live in the Student Houses and pay \$3.25 a day for tiny, miniscue rooms, accompanied by meals that could only tie the worst of Cedar City, seem ludicrous indeed. The complaints were certainly justified, but only if nine months of school living receive a similar attack. In any case, the accommodations and food after the first day, with the exception of a three-hour wait for rooms in Denver, were deserving of no such criticism.

What is really interesting is the necessary distinction that must be made between the stunts that hurt no one and the attitudes that show a complete

lack of consideration toward drivers and waitresses — people who are in no way responsible for the little privations suffered by the Caltech observers.

Consideration of other people's feelings (not to mention their opinions) is the real social awareness that you, in your editorial, did not define. Horseplay around the Student Houses, and elsewhere, is generally indulged in for some rather sound reasons. Only superficially does it appear inconsiderate; e.g., frosh initiation serves some very useful purposes. Some stunts show less foresight, but it is difficult to see how improving guest programs or even table manners will reform this.

It would seem to me that the problem is the inability of Tech people to sympathize with others in their life-situations. It is simply that Techmen do not care a whit about other people as the equal people they are; we are perhaps too occupied with our own problems to even consider others. These would seem to be the same problems that led the Techmen here in the first place.

If the California Tech must be an apostle of reform to the school, let it start with either the Admissions Committee or some psychiatric counseling program. The cure lies in the prevention.

JAMES SOMBERG

Editor, The California Tech:

Prospective contributors to the Caltech Development Fund are never introduced to undergraduates. Women around the area receive a bad first impression of Tech men. People across the country who know nothing else about Caltech think that the undergrads here are odd. Why? Perhaps this question can be in part answered by some observations we made of our fellow students while we were on tour with the Glee Club.

At Clovis Union High School the discipline of the club completely deteriorated under the influence of a class of female piano students. Most of the club's members were seen fawning over these girls in the few minutes of free time before the concert. While the pre-concert rehearsal was being conducted, any small joke became hilarious in order to impress the watching girls with our joviality.

At Hanford some members were talking to a high school girl and asked whether they would be able to use the school swimming pool. The answer being no, they asked whether "it" would be open that night. When the girl again said no, one person made the obviously collegiate remark: "Not you, the pool."

In San Carlos, an observer passing in front of the Trinity Presbyterian Church about five in the evening would have seen several Caltech "men" playing

(Continued on page 4)

The California Tech

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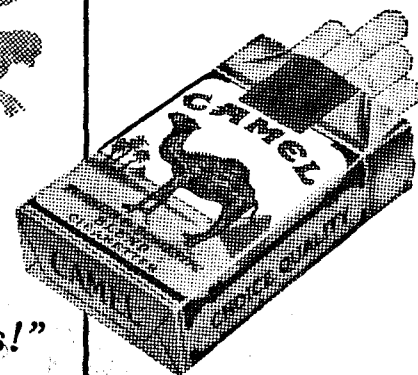


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**BRIGHT LIGHTS ...
COFFEE ...
... AND SHOES**

by griffen



Finally, after countless years of searching, the cause of all the troubles of the student has been found! With this new discovery, your personality can change in a matter of hours—from the lethargic, stay-in-the-room-and-study, to the horny, aggressive sex-maniac; from the frustrated attacker to the romantic, depressed poet; from the romantic to the absolute snake, cramming for exams three weeks ahead of time.

Hah, you say, it can't be done. Did you ever think what you were eating? Could you never understand why you clawed the walls after a steak dinner? Do you eat nothing except potatoes and gravy and white bread, and get 4.1s?

According to a new sect on campus, there is a direct correlation between the kinds of food you eat and your mood. Protein and other acidic type nutrients tend to make you aggressive and horny (oysters are excellent, as well as other seafood), while fats and starches drive you toward intellectualism and mathematics. Too much of either kind of food, of course, is entirely destructive to all tendencies and makes you sick. Alkalines let you sleep less also, and at a certain acidity of your blood (which is very hard to attain), the poetic in you appears, and everything is a symphony.

In the search for discovery, as always, there have been martyrs. One Caltech student (3.2 GPA), searching for the truth, experimented with a heavy protein diet. For two months, he ate one-quarter pound of liver for breakfast every morning. He describes the effects as follows:

"For the first few days I felt wonderful. I wrote poems, I listened to good music, and I went to the top of my karate class. Then I began to get increasingly horny until I could not think of anything except one secretary in Spalding who haunted me. I could not sleep or study. My eyes and jowls puffed out. After two weeks, I found that my aggressiveness had disappeared, and in its place I became very depressed and nihilistic. I soon began to sleep more than 12 hours a day. Classes and studies did not exist; there were times when I could not imagine myself ever having sat in a lecture. (I skipped two finals just because I felt like sleeping that morning. I suffered the full effects of liver."

The hero flunked out with a 0.2.

Here's YOUR Chance

If, however, live is not your meat, and you feel that flunking out is the only thing that has any meaning in your life, try this for a mid-terms' week schedule: Tonight, Thursday, April 23, swing over to the Palladium for Count Basie and the big band. Cost: \$1.50 per person. Friday, April 24, the Kingston Trio, at the Pasadena Civic Auditorium (correction from last week). Saturday night, the Promenade Concert at the Shrine Auditorium, presented by the Los Angeles Philharmonic, directed by Johnny Green and featuring Andre Previn as piano soloist. For information and tickets, call MA

3-1144. Prices range from one to two dollars.

In the following four days I suggest the following: "Henry V" at the Cinema (Western and Santa Monica), "He Who Must Die" at the Sunset (Sunset and Western), and "No Time for Sergeants" at the Pasadena Playhouse.

At the Felix Landau Gallery, 702 N. La Cienega, there is currently an exhibition of paintings by Rufino Tamayo, Mexico's most famous painter. The Philharmonic Auditorium, for six weeks only, is presenting the musical, "The Bells Are Ringing," with Judy Holliday, as part of the summer-long Civic Light Opera season. Other musicals this summer: "West Side Story," "My Fair Lady," and "Oklahoma." Buy a season ticket and really be "in."

The Tarnished Ear

Heathkit 'Bookshelf' Examined

During the last year I've been asked more questions about one piece of hi-fi gear than about all others combined. Obviously this unit is of interest to many of us, so I'll limit this week's column to a technical report on it alone. The item, of course, is the Heathkit 12-watt Bookshelf Amplifier.

Heathkit designed this amplifier with simplicity, both in construction and in performance, foremost in mind. There are only four knobs on the front panel. Two of these are the Bass and Treble controls. The volume control is just that, with no loudness compensation. There is lots of room behind the panel for anyone who wants a loudness control instead.

The selector switch is the ultimate in simplicity. It has one position for each of the three inputs. The first of these is for a magnetic phono cartridge. This input is equalized for the RIAA recording curve, which covers all records released within the last three years. To anyone worried about having only

one compensation curve available, I point out that the "salt and pepper" controls, bass and treble, are always there. The second input is for a tuner. The third is designed for a high-level cartridge, and provides proper RIAA loading for all recent ceramics. It will also accommodate any other high level source, such as a tape recorder.

Construction is a cinch. Even the beginner will have no trouble with this kit if he is careful. One good idea is to keep all leads near the chassis in order to reduce hum coupling.

My tests indicate that Heathkit's specification on this amplifier are fairly accurate. Frequency response at 12 watts is flat within 2 db from 20 to 20,000 cps. Intermodulation distortion is around 2 per cent at 12 watts. Maximum power available is around 15 watts.

Circuit Good

The circuit is basically a good one. However, its employment in this instance leaves a lot to be desired. This amplifier has hum, a lot more than it should.

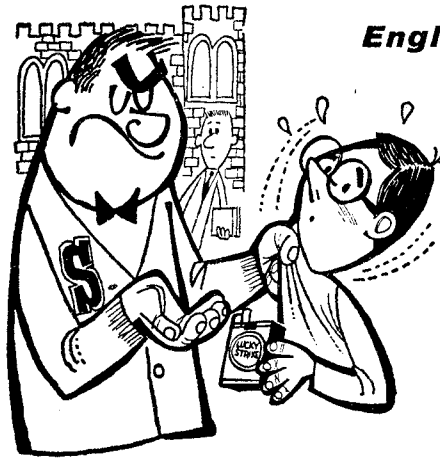
It is possible to keep the 60-cycle hum to a reasonable level by carefully twisting filament leads and dressing them next to the chassis. Careful adjustment of the hum balance control can yield gratifying results, too.

The 120-cycle power supply ripple, however, is a different matter. The power supply filtering is entirely inadequate and should be increased. There is plenty of room on the chassis in which to mount another electrolytic condenser and a filter choke. Several persons have incorporated these components into the kit during construction, and have reported good results.

The second major problem with this kit is that the transformers and output tubes run excessively hot. The output tubes, EL84s, are capable of putting out at least 12 watts of audio when properly employed. Heathkit is not using them well, though, and they literally run red hot.

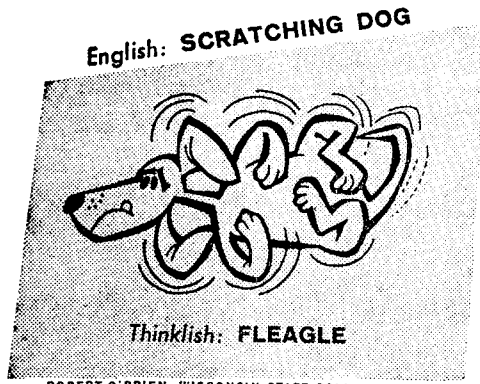
I saw one amplifier in which
(Continued on page 4)

THINKKLISH



English: **CAMPUS TOUGH GUY**

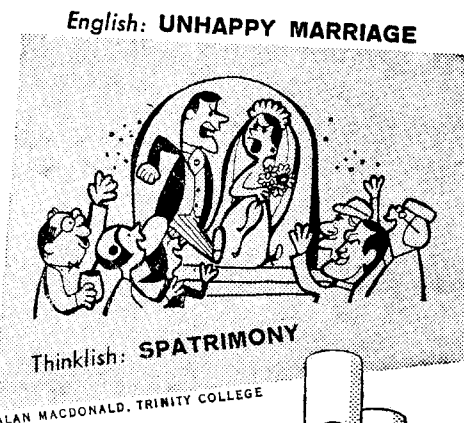
Thinklish translation: This character belongs to the beat generation, as any black-and-blue freshman can testify. When he cracks a book, it ends up in two pieces. His favorite subject: *fistory*. Favorite sport: throwing his weight around. Favorite cigarette? Luckies, what else? Puffing on the honest taste of fine tobacco, he's pleased as Punch. If you call this muscle boulder a *schooligan*, bully for you!



English: **SCRATCHING DOG**

Thinklish: **FLEAGLE**

ROBERT O'BRIEN, WISCONSIN STATE COLL.



English: **UNHAPPY MARRIAGE**

Thinklish: **SPATRIMONY**

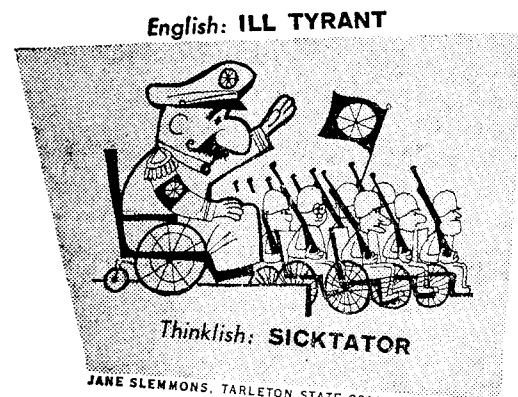
ALAN MACDONALD, TRINITY COLLEGE



English: **SPRING CLEANING**

Thinklish: **MOPERATION**

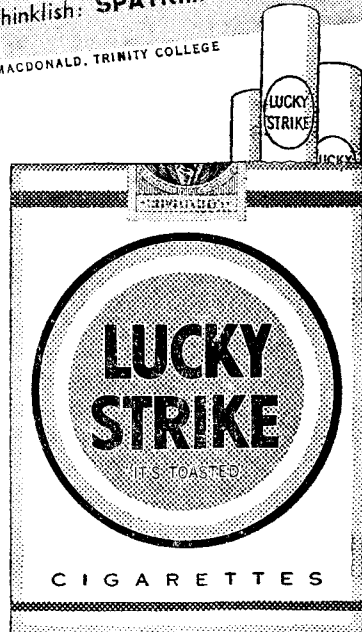
ALAN KOLOSEIKE, CORNELL



English: **ILL TYRANT**

Thinklish: **SICKTATOR**

JANE SLEMMONS, TARLETON STATE COLL.



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The Music Scene

By David Schuster

The previous article in this series described the personnel and the physical arrangements involved in the recent series of recording sessions in stereo run by Columbia Records and featuring Bruno Walter conducting the Columbia Symphony Orchestra. This article will deal with the interpretation of the music by Dr. Walter and his musicians.

The selections recorded included some Mozart symphonies, concertos, and operatic arias, the nine symphonies of Beethoven, the "Great" C Major Symphony of Schubert, the Fourth Symphony of Brahms, Dvorak's "New World" Symphony, and a Wagner program, including the Overture to "The Flying Dutchman," "A Siegfried Idyll" and the Prelude and Good Friday Spell from "Parsifal" symphonies are now available in record stereo.

Thorough Rehearsal

All works were rehearsed thoroughly until Dr. Walter felt they were ready to be recorded. In the case of the symphonies, this was done one movement at a time, and often the longer movements were further subdivided. It normally took three hours to rehearse and record one movement of a symphony (including re-takes). During the rehearsals, Dr. Walter would frequently stop and explain some point or go over some phrase until it sounded exactly as he wanted it to sound, and only then would he proceed. This gave one the opportunity to get an insight into the details of the interpretation of great music by a great conductor, and to learn just why it is that a Walter performance is usually more communicative, more moving, and more absorbing than that of a lesser conductor.

The main point is that Dr. Walter attempts to recreate the music score in the performance in all its details. All the nuances of shading and of coloring that he sees in the composer's directions, he reproduces in the orchestra. The difference is that the ordinary conductor sees only the more superficial aspects of the music, and sees only the extremes of loud and soft; fast and slow; melody and accompaniment.

Dr. Walter, on the other hand, sees all the intermediate levels and all the mixed shades be-

Tarnished Ear

(Continued from page 3)

excessive heat had cracked the glass envelope of one EL84. In another the output tubes had "gone flat" after three months, with the result that the amplifier was capable of putting out only 2 watts with low distortion. The latter complaint is common to this kit. The average life of the output tubes is only a few months.

The trouble is caused by the overly high ambient DC current drawn by the output tubes. The problem is easily remedied as follows. Replace the 110 ohm cathode resistor with a 170 ohm, 5-watt, wirewound resistor. Bypass it with a 100 mfd, 25-volt, electrolytic capacitor. If possible, put a filter choke in the power supply, as recommended above. The result will be cool running tubes and transformers, which should last for years. Hum and distortion will decrease, too.

tween the extremes and knows exactly how to duplicate these more subtle effects in the orchestra. This leads to a tone and color, which is never dull or monotonous, simply because it is always changing. It is exactly this attention to details, without ever disregarding the total symphonic structure which is being built, that makes for a great interpretation of music.

LETTERS

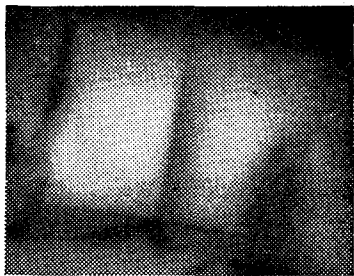
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hopscotch on the terrace outside the building. Had the observer watched the proceedings for any length of time he would have witnessed one of the players nearly fall through one of the church's plate glass windows in his zealous pursuit of the game.

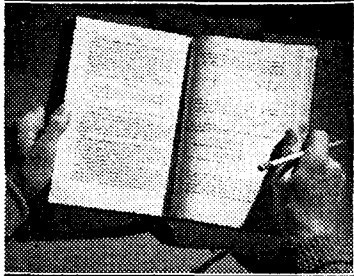
It would seem that on its recent tour, the glee club nobly upheld one of the Caltech undergraduate traditions—immaturity. However, the glee club's actions only reflect the behavior of the undergraduate in public and on campus. The conclusion must be that there exists among the students here an unawareness of and a disregard for their appearance and conduct. Why look well-groomed and act mature only for an interview?

Since most students will be considered as adults and will be required to assume adult responsibilities when they leave college, they must grow considerably during their college years; they must make the transformation from high school boys to refined men. The impression given by the Caltech student body is that four years is not enough time for them to mature.

DICK MacANNALY
KEN CASEY
DICK JONES



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Non-Resident Associates To Be Intellectual And Cultural Guides

A few weeks ago, somebody announced at lunch that our house now had a "Non-Resident Associate." Being naturally inquisitive, we decided to find out what it was all about. The first Tech-staffer we ran into in the lounge was our ace cub reporter, Geary Younce . . .

BY GEARY YOUNCE

"What about the Non-Resident Associates?" Moler asked. "What about them?" I retorted, which was a mistake. "Find out about them and write an article by next Monday," he said, pointing to me. "Me?" I asked, pointing to me. "You," he said, pointing to me. What could I do?

I set out diligently in search of information. Inquiring downstairs at the office of the Master of Student Houses, I found him gone. I queried Mrs. Hale, who confessed she knew little or nothing about the matter. Searching through papers and letters on her desk, however, she came across a few matters of interest which she disclosed to me. While giving me this information, she noticed me furiously writing, scribbling, and doodling on my paper, and expressed an anxious hope that I was not putting down her side remarks as quotes, which I assured her I was not.

The next day I tried to get in touch with the NRA's (not to be confused with National Rifle Assn, or National Recovery Act). I discovered, however, that one

was out of town, and one was not only out of town, but out of the country, and one had a full schedule until my deadline. This left but one NRA available for comment, and I immediately contacted him.

He told me that he thought the idea of having a faculty member associated with each of the houses was a good one. He said that meeting with the undergrads was a relaxing experience and gave them valuable insight into undergraduate thinking and way of life. Non-Resident Associates, he thought, could better communicate the student view to the rest of the faculty. Then Ricketts House president Brad Efron spoke up and said he thought a NRA would lend continuity to the house by being able to give an accurate picture of what the house was like some years from now when new people and new RAs will be here.

The Non-Resident Associates are to be an intellectual and cultural guide for the houses. They will bring speakers of interest with whom they are acquainted, but it will be up to each Associate to make up his own program. The reason for the NRAs is that students and faculty alike have been concerned about the "lack of communication" between the students and the faculty. It is felt that this program will help make up this "lack of communication." Also, the students have expressed an

interest in meeting more of the faculty, and this program will allow them to do so.

Blacker's Non-Resident Associate is Dr. George W. Beadle, Chairman of the Division of Biology and Noble Prize winner. Dabney's is Dr. Frederick C. Lindvall, Chairman of the Division of Civil, Electrical, and Mechanical Engineering. Fleming is honored with Dr. H. F. Bohnenblust, Division of Mathematics and Dean of Graduate Students. Dr. Alan R. Sweezy, Professor of Economics, is the Non-Resident Associate of Ricketts.

More information can be obtained by 1) talking to the Master of Student Houses, 2) talking to your NRA, or 3) talking to your house president. No information can be obtained by talking to me.

Announcements

CHAMBER MUSIC

The Los Angeles Baroque Players will present a Chamber Music concert Sunday, April 26, at 8:15 p.m. in Dabney Hall Lounge. Principle works to be performed are by J. S. Bach.

SYNCHROTRON TOUR

Dr. R. Langmuir in Spalding has a standing offer to take groups of students of not less than four nor more than 10 members on a guided tour of the Synchrotron. Students must organize themselves.

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Karen Beach Lone Female In Play Cast

The casting for this year's ASCIT play, John Patrick's "The Hasty Heart," has been completed, director George Stephens announced last week.

The lone female in the play, Margaret (a nurse in a British Army Field Hospital), will be played by Karen Beach. Opposite her, as the central male figure, will be Ken Dinwiddie as Lachie, a taciturn Scot, who has been given only a limited amount of time to live.

Other hospitalized members of the British Army, all with appropriate accents, will be Bob Poe as Tommy, a cockney of the purest ancestry; Larry Elmore as Kiwi, a New Zealander; Bill Hilchey as Yank, a typical American soldier, and Chris Larsen as Digger, an Englishman. Stu Goff is expected to star as a bed-ridden warrior from an obscure African tribe, whose command of the vernacular leaves something to be desired.

The cast will be filled out by Jim Uleman, who will play a colonel, and Andy Kukla, a hospital orderly.

Tickets will be made available in about a week. Those who would like to work either on the stage crew or the publicity committee for the play are encouraged to contact either Keith Brown or Mike Talcott.

Herberg Visit

(Continued from page 1)

ist in a human sense and if he doesn't fall, he is always bothered by an ultimate anxiety concerning his own existence beside the abyss.

To this point, Herberg parallels ordinary existential philosophy. He goes still further in proposing "autonomy and heteronomy" as solutions man has sought to his doubt.

Autonomy is a person's belief in his full self-sufficiency and it fails because no one can be sure of his own existence. Heteronomy is an attempt to lose oneself in a crowd, but this, in effect, denies self. Herberg describes modern history in terms of European man's flight from the heteronomy of the middle ages into autonomy and his retreat back into the protecting arms of Communism and Nazism.

What then is the answer to this problem of existential doubt? Herberg proposes God. He jumps from ordinary existential philosophy when he says there is a God beyond nature which supports the courage to be but that one can only realize His existence in an act of faith.

Herberg's rationale for belief in God is only a rationale in the sense that it poses the problem. Man can affirm his self-existence by choosing an approach to life that requires an ultimate history—a defining element beyond nature. Making this affirmation—by faith—he is then faced with choosing his ultimate history in terms of the existential doubt that continually assails him. In a "leap of faith" he sees that God is the only source of a "courage to be" with which to face reality.

Herberg approaches the world existentially, but answers his doubts with Biblical faith.

Caltech Keglers To Face USC

Caltech will meet the University of Southern California in athletic competition soon when a group of high-average Tech bowlers accept a challenge from the Trojans.

Five Tech keglers will meet USC on an indefinite date in the near future with each team member paying for his own lines. Dennis Sustare, Blacker, who accepted the challenge for Tech, is unofficial team coach. He reports enough applicants to make a team, but more are welcome.

Dr. James Bonner Earns National Ski Merit Star

Dr. James Bonner, acting head of the biology division, earned a merit star from the National Ski Association last month. He was cited for directing the rescue of an injured girl, whose toboggan had slipped into a deep canyon on Mt. Waterman.

Techmen Hear Beatniks

The Beatnik movement was represented at Caltech last Thursday and Friday through the visits of Rev. Pierre DeLattre and Eric Nord, members of the San Francisco North Beach community.

DeLattre, proprietor of the Bread and Wine Mission, said that the name Beatnik is a misnomer. "Actually," he said, "they feel that the world is what is really beat, and they are just getting away from it." He claimed that the world was a rat-race of gadgets and hypocrisy.

"People at North Beach only have to work one or two days a week and can spend the rest of their time reading, creating, and living," he said. "We are a community of individuals. There is no group that fits the popular stereotype."

North Beach, one of several such areas in the United States,

has only about 300 "solid-core Beatniks."

Eric Nord, heavy-set, 6 ft. 6 in., and bearded, talked to students Thursday night. He is currently occupied in producing an "au-

thentic" movie on Beatniks, establishing a new community at Venice, Calif., and organizing a communal farm to be called "Eden." DeLattre said that he thought Nord was a fake.



Annandale Country Club swings with the music of Buddy DeFranco at the annual Jr.-Sr. Prom.

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Caltech centerfielder John Walsh, who slammed two homers in recent Pomona game, shows power-hitting form as he plasters pitcher's offering.

Beavers Split With Pomona Behind Walsh's Two Blows

A masterful five-hit performance by standout hurler John Price plus a lusty hitting exhibition by league-leading belter John Walsh, featured a 5-1 Caltech victory over Pomona in the

Little Beavers Lose Another Hardball Test

The frosh horsehiders stretched their losing streak to six and are still looking for their first win after dropping two more games last week.

Last Thursday Pasadena College beat the little Beavers by a score of 6-1 in a practice tilt. Although both Don Niswander and Steve Heineman showed encouraging improvement in the pitching department. Key errors and a lack of punch at the plate gave the winners the margin. Bolstering a weak outfield, newcomer Frank Ridolphi whacked two hits and turned in fine defensive work in both games.

In a league game Saturday, still plagued by spotty defensive play and a weak offense, the frosh lost to Pomona, 16-2. The team was unable to get through an inning without getting into trouble, the victors collecting hits at will and scoring in all but two frames. The losers were saved from a shutout in the last inning when the Pomona hurler issued walks twice with the bases loaded.

Undaunted, the youngsters met Pasadena again yesterday and are grimly looking toward their Saturday afternoon meeting with tough Redlands.

Golf Team Edges Claremont Crew

The Caltech golf team picked up its second victory of the season by defeating Claremont-Mudd, 28-26, at the Los Serranos golf course. Jerry Siegle led the Techmen to victory, picking up a 73 to walk away with top honors at the meet. This brings the Beavers' season average to a respectable 2-2.

Also playing for the Beavers were John Bard, Wes Shanks, Al Funada, Gary Ihler and Mike Levine.

The team next faces Cal-Poly, whom they defeated earlier in the season. Because of this the Beavers look like a good choice in Saturday's match.

second game of a double-header on the Sagehen diamond Saturday.

Price yielded an unearned run in the first inning on a hit batsman, an error and a sacrifice, but quickly settled down to blank the Pomona batters for the final six frames.

Walsh, junior outfielder-pitcher and defending loop batting champ, displayed power-plus in cracking a pair of round-trippers and a double in four trips, good for three RBIs. His league batting average is now .593.

Buzz Merrill, currently batting at a .442 clip, Dave Blakemore and Herm Hartung paced the balanced Beaver attack with two hits apiece.

In the opener of the twin bill, Pomona annexed a narrow 5-4 win with an eighth-inning score proving to be the difference. Marty Kaplan, now 0-3 in loop play, went the distance in suffering the close loss.

Both Blakemore and Walsh rapped a single and double in five trips to top the seven-hit Caltech offense.

Caltech held a 3-2 lead going into the sixth inning by virtue of a quick pair of runs scored in the first inning on singles by Walsh and Hartung. However, Pomona tallied a single run in the sixth and seventh, and tacked on the winning run in the eighth to cop the contest. Blakemore's center-field double to score Parkhurst in the top of the ninth only narrowed the score to 5-4.

Whittier swept the fourth fourth game of their series with the Beavers, 11-2, on Wednesday, April 15. Pitchers Price and Walsh bore the brunt of an overwhelming 13-hit Whittier offense with Price absorbing the defeat.

Seemingly bound for the SCIAC baseball pennant, Whittier once again coasted to victory behind the powerful pitching arm of Klepfer, who fanned 12 Beavers in six-inning stint. Klepfer, who has now struck out 37 Beaver batters in 21 innings, took over relief duties in the fourth and silenced the threatening Beaver bats for the remainder of the game.

Walsh and Merrill topped the hitting column with two hits apiece.

Swimmers Win Easy Victory At Redlands

Claremont-Harvey Mudd hosts the Caltech swim team this Friday in what should be the Caltech's closest dual meet. The CMC swimmers have posted impressive times in previous meets—better in some cases than those of Tech's best swimmers.

Last Thursday the Beavers drowned the Redlands Bulldogs in their own pool by a significant 60-26 count. Keith Brown and Gary Tibbets were big scorers for Tech in their easy win of a meet marked by absence of any exciting or close races.

The Caltech frosh, on the other hand, had a rough go of it in turning back the Redlands frosh. Marshall Buck showed his butterfly and breast stroke mastery with two first places, and participated on the winning medley relay team. Gary Turner dominated the back stroke scene and was also a member of the medley team.

Hogan, Mitchell, Howard, Sallee and Weihofen added place and show points in sufficient quantity to give Tech the victory.

Tennis Men Drop Match To Oxy

Only a doubles victory by Dave Butterfield and Dave Zimmerman kept the Caltech tennis team from being blanked by Pomona Saturday as the Beaver netters dropped a 8-1 verdict to continue winless in conference action.

Butterfield and Zimmerman, playing second doubles, racked Haskell and Wallenstein, 3-6, 6-2, 6-2, to salvage Caltech's only point.

The frosh netters displayed strength in singles to grab a hard-won 5-4 decision over the Pomona first-year men on the visitors' grounds Saturday.

Dick Hess, Ray Barglow, Dave Sellin and Bob Hearn all won their singles matches with Hearn having the easiest time at 6-0, 6-3.

Wilson and Hess, and Hearn and Cedron Jones lost three-set doubles matches as Pomona stormed back to deadlock the competition at 4-4.

Sellin and Barglow clinched the competition for the little Beavers with an easy 6-4, 6-1 triumph in the last match of the day.

Conference-wise, the frosh record now stands at 3-2, a hopeful sign for next year.

Redlands Thumps Caltech Thinclads

The University of Redlands trackmen were inconsiderate hosts last Saturday as they crushed the Caltech thinclads, 113-17. Redlands won first place in all but one event, and second in all but two.

The only bright spot of the day for the hapless Beavers was in the javelin, where Lanny Lewyn and Lannes Purnell placed one-two, Lewyn winning with a heave of 177 feet 6 inches.

The Caltech freshmen were also defeated handily by the Bullpups, losing 98 1/3 to 31 2/3. The lone little Beaver first place was grabbed by Dave Grimes in the Javelin.

Next track meet for the Beavers will be against Pomona tomorrow. The hosting Beavers should come away with many more points than they did last week.



As I See It

by Russ Pitzer

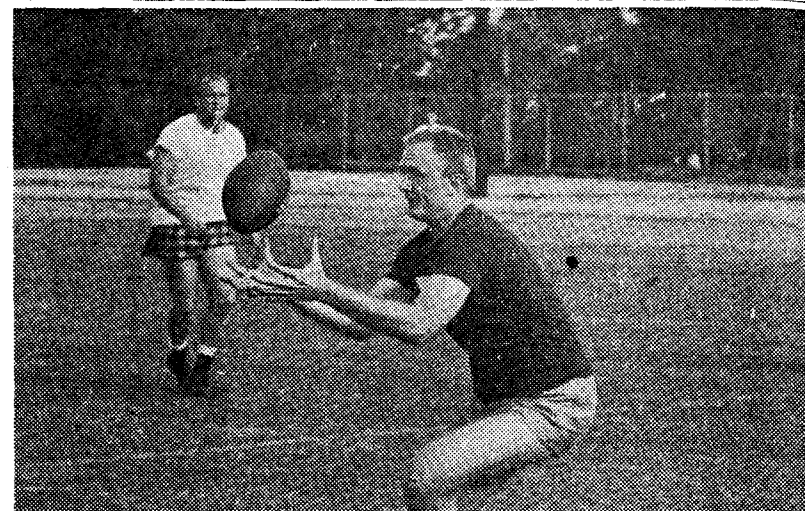
Hales and Badminton

Recently there has been an upsurge of interest in badminton here at Caltech. With the advent of scheduled P. E. classes badminton is now taught at both 11 a.m. and 1 p.m.

This upswing in interest in the sport is largely due to the efforts of Al Hales, a junior living in Blacker House. He is very interested and enthusiastic about introducing badminton at Caltech and in developing players who are interested in tournaments.

Al himself first became interested in badminton about four years ago through the interest of a girl friend in the sport. He soon became a member of the Pasadena Badminton Club and has played there ever since. Many of the best players in the country are from Pasadena; in fact five out of the six players selected for the last United States Thomas Cup team were from Pasadena. The Thomas Cup is an international trophy for badminton similar to the Davis Cup, except that competition is every three years.

Al has an impressive record in tournament competition. In the National Tournament in Detroit, after winning several rounds, he was finally beaten by the fourth seeded player. As a result of this performance he will probably receive national ranking at the end of the season. Recently he evoked considerable interest by upsetting a highly ranked player at the Cal State Tournament in Burbank. He was defeated on the next round by the sixth seeded player. In the future Al is looking forward to playing in the Southern California Championships this May in Long Beach and eventually hopes to play on the next Thomas Cup team two years from now.



Dabney footballer Lou Linson snags pass to help Darbs to football victory.

Interhouse

Darbs Near Victory In House Football

Dabney House virtually clinched first place in Interhouse football this past week by winning two games. After handily defeating Ricketts last Thursday, the Darbs came back to trounce Blacker Tuesday, leaving them with a sparkling 3-0 record.

Throop Club looked like a good bet for second spot after they soundly thumped Ricketts Monday. The Throopmen presently sport a 2-1 record.

Next sport on the Interhouse scene will be basketball. Defending champions Throop Club are expected to field a strong squad, as is Dabney House.

Discobolus

Dabney House forged into the lead in the Discobolus Trophy dash last week by defeating Throop Club in volleyball, 15-10 and 15-3. The victory left the Darbs two points in front of second-place Fleming.

Dabney athletic manager Larry Brown reports that Fleming has

challenged them in water polo, swimming and softball, and that the Darbs have accepted in softball. The match will be played this week end.

Bowling

Throop Club has challenged Dabney for the Interhouse Bowling Trophy. Dabney has held the trophy since second term, after they defeated Throop in a challenge match. Exact details of the match have not yet been decided, but it will probably be played in the near future.

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