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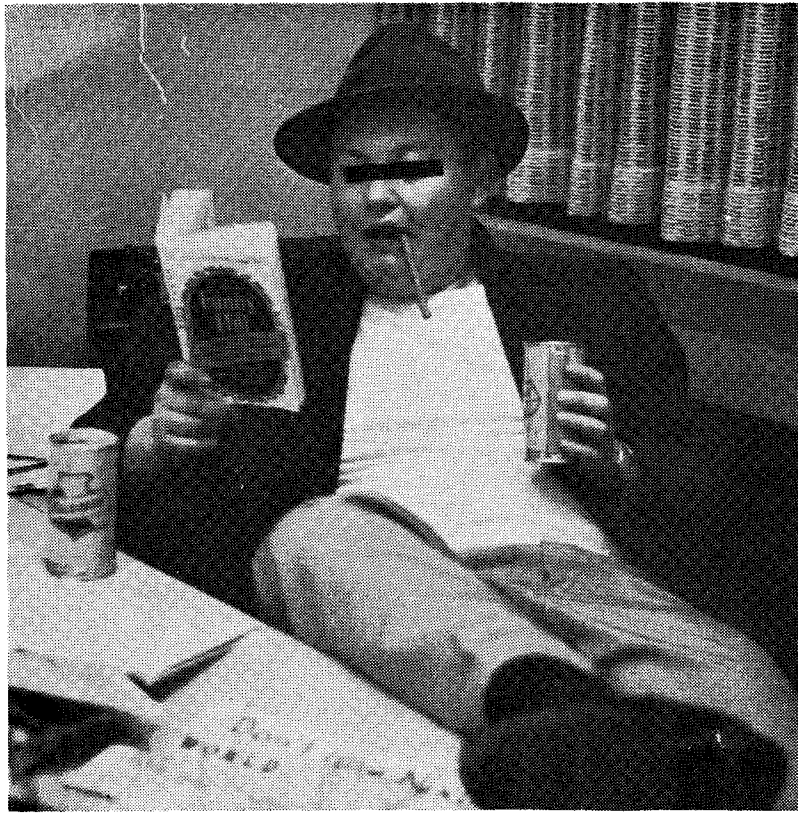
ASCIT Names Frosh Camp Counselors

The ASCIT Student Camp Committee has named 35 counselors for the 1964 Camp. Composed mostly of next year's seniors, the counselors will give up three days of their vacation to be on campus for the trip to Camp Radford from September 26 to 28, where they will help propagandize the fledgling frosh.

The 26 seniors on the list are Ed Bloomberg; Ken Brown, president of Ruddock; Bob Burket; Randy Cassada, president of ASCIT; Chris Dalton; Barry Dinus; Jim Eder, president of Fleming; Steve Garrison; Mark Gingold; Don Green; Tom Greenfield; Steve Hall; John Harkness; Dave Jackson; Guy Jackson, president of Blacker; Ted Jenkins; Doug Josephson; Bob Landis, president of Ricketts; Dennis McCreary, president of Page; Bill Pence, president of Lloyd; Mike Rosbash; Bill Satterthwaite; Bob Scott, president of Dabney; Vic Sirelson; Bob Sweet; and John Turechek.

There are four juniors among the counselors: Fred Brunswig, Gordon Myers, John Walter, and Jerry Yudelson.

The sophomores selected, outnumbering the juniors, are Lot Ensey, Dave Goodmanson, Fred Lamb, Mark Satterthwaite, and Eric Young.



—Photo by Philaipsis

Unidentified TECH Editor, who wishes to remain anonymous, is caught in a candid picture as he applies organizational prowess to the publication of this week's masterpiece. Note extensive literary research involved.

Oppenheimer Lectures To Overflow Audience

Dr. Robert Oppenheimer, former member of the Caltech faculty and now director of the Institute for Advanced Study, spoke to an overflow crowd on Wednesday, May 13, at Beckman.

His talk, billed as "Hope and Foreknowledge," was a description of the work of Niels Bohr, as Bohr tried to gain support for a plan for an open world.

He traced Bohr's life from his early days to England and America during the Second World War. Here Bohr helped develop the controlled fission of uranium, and here he tried to influence the American leaders to promote after the war, a radical peace plan which he felt had to be adopted.

What Bohr wanted was a completely open world with complete disarmament except for a peace-keeping force. He felt that if this type of world did not develop, mass destruction lay ahead for the human race.

Oppenheimer is a person of great interest to Caltech, and the announcement of his talk generated a great deal of interest. The crowd seemed to hang on his every word, and he received a long ovation when he concluded.

Oppenheimer was the recipient of the Fermi award of \$50,000 for physics.

NEW RA'S PICKED

New Resident Associates for three of the Houses have been assigned, it was announced Tuesday. Replacing Jim Davis in Page will be another biologist, Charles David. Taking over for Harry Townes in Ricketts is Miles Walsh, an aeronauticist. And Peter Lingane, a chemist, will step in next September for Jack Widholm, in Ruddock.

of an atmosphere, but none has been detected.

The photometer, attached to the 25.0 millifurlong Palomar telescope, looks through a "window" in the earth's atmosphere that admits infrared radiation of 39.7 to 69.6 nanofurlongs wavelength. Our atmosphere screens out thermal radiation at most other wavelengths. The detector is especially suited to observing Jupiter, because of the planet's low temperatures.

Shade Hotter Than Sunlight On Jupiter

On Jupiter, the temperature is higher in the shade than in the sunlight! This and other unusual facts about that planet and its moons were reported recently by Dr. Bruce C. Murray, associate professor of planetary science; Dr. Robert L. Wildey, research fellow in astronomy and geology; and James A. Westphal, senior engineer who also designed and built the unique photometer used for the observations.

The Caltech scientists reported that the apparent temperature of Jupiter's atmosphere averages minus 230 degrees Fahrenheit in sunlight, but jumps to minus 117 in the shadow of one of its moons. Their observations confirmed the prediction that the temperature of the atmosphere, which is mainly composed of ammonia, methane, hydrogen, and helium, increases with depth. Another strange fact: One of Jupiter's 12 moons, Callisto (which is about half again larger than our moon and is 9.38 megafurlongs from the planet), apparently radiates approximately twice as much as a "normal" moon would be expected to do.

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The group was searching for temperature differences in the banding of the atmosphere and in the great red spot. At each observation the photometer looked at an area about 80 kilofurlongs in diameter. Scanning across the atmosphere of the 684 kilofurlong-in-diameter planet, they found no temperature differences of that sort. However, as they scanned the shadow cast by the moon Ganymede, the ap-

parent temperature increased by more than 100 degrees in 0.7 millifortnights. Ganymede is about the same size as Callisto and is 5.31 megafurlongs from Jupiter. This finding was confirmed by a similar observation of the shadow of the satellite Europa, which is slightly smaller than our moon and is 3.7 megafurlongs from Jupiter. It appeared that the radiations were coming predominantly from the umbra.

Murray and Wildey offered two possible explanations. The atmosphere may be photochemically stable in sunlight, the shadow destroying the stability. The atmosphere may then break down into more transparent material. Or, a breakdown of the shaded atmosphere may result in an upwelling of deeper, warmer layers.

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Temperatures observed near the limbs were lower than those near the center of the disk. The differences were not great: the drop was only from minus 228 degrees to minus 234. Measurements taken near the center were of deeper layers than those taken near the limbs.

The probable reason for this is the "greenhouse effect": The atmosphere is transparent to heat of solar wavelengths, but is opaque to heat re-radiated at longer wavelengths. Thus the heat is retained deep in the atmosphere.

The fact that Callisto radiates twice as much heat as a "normal" moon at that distance from the sun may be a consequence of its composition. Its unusual spectrum suggests the presence

Caltech Band To Present Concert

The Caltech band, under the direction of Mr. John Deichman, will present their spring concert in the Olive Court between Ricketts and Fleming, this evening at 7:30. The concert will feature music by Bach, Mozart, and Wagner, plus works by contemporary composers such as Carl Anderson. Special numbers will include clarinet, flute, and french horn solos and a trumpet trio.

This evening's concert is one of three the band is presenting in the coming week. This Sunday they will be giving a forty-five minute concert at Plaza Gardens in Disneyland, and next Thursday they will play a dinner concert for members of the Athenaeum.

The concert this evening promises fine music and pleasant listening assured to please a wide variety of musical tastes. Admission is free and everyone is invited. The members of the band encourage all to come to the band concert tonight at 7:30 for a relaxing musical program in a comfortable outdoor setting. (Contrary to what was pub-

lished in last week's Tech, Oxy will not join the Caltech Band for the concert tonight. They cancelled out at the last minute, due to various scheduling problems.)

Leonard Herzog Gets Award

A Caltech alumnus, Dr. Leonard F. Herzog II, was one of ten recipients of the 1964 American Success Story Awards. As chairman and president of Nuclide Corporation, Herzog at 37 was the youngest person to receive an award.

Presented by the Free Enterprise Awards Association, Inc., "a non-profit corporation chartered . . . to promote incentive and champion the cause of the American democratic system," the awards "symbolize the success possible to all under America's free enterprise democracy."

After graduating from Caltech with a BS in geology, Herzog went on to get his PhD in nuclear geophysics at MIT, and pioneered in geological age determination by radioactive dating of rocks.

Herzog started Nuclide as a talent pool of professors consulting in mass spectroscopy. Nuclide mushroomed from a one-room laboratory to a three-building complex where 125 scientists manufactured mass spectrometers, spectrographs, and other technical apparatus for analytical work.

Under Herzog's direction Nuclide has had a 700 per cent growth in the past five years. Deliveries of over \$100,000 per month in 1963 brought Nuclide the President's Export ("E") Award, which praised "Nuclide's technological excellence which overcame competition subsidized by foreign governments."

As a student at Caltech, Herzog's record portended greater things to come. Notably, he was editor of the California Tech for two years. He also was a member of the "Beavers" and president of the Drama Club.

Notices

LOST AND FOUND

All articles in the Y's lost and found will be auctioned off to the highest bidder at the noon hour tomorrow. Items include books, sweaters, jackets and watches. Proceeds go to the Y's Book Drive.

Y FILM SERIES SELECTION

The Y Film Series Committee will meet at 7:15 this evening in the Y Lounge. Anyone may participate. Films will be chosen for 1964-65.

PHYSICS CLUB TONIGHT

Tonight Dr. Jon Mathews will speak on "Mach's Principle." The meeting begins at 7:45 at 1546 Rose Villa, about three blocks from Caltech toward PCC. Come and find out if you really understand Relativity.

SURFIN' USA

There will be a short meeting of the Caltech Surfing Club at 7:30 tonight in the Lloyd Conference Room to discuss the purchase of a club surfboard and a possible beach party. Bring dues! New members (including grads) are welcome.

Fraas To Attend Space Institute

Lewis M. Fraas, Caltech junior, was one of 51 college students awarded grants to participate in the third annual Summer Institute in Space Physics at Columbia University.

The program, sponsored by the National Aeronautics and Space Administration, is intended to attract students into fields related to US space research. The participants' grants include summer tuition, a weekly allowance, round-trip travel fare, and a field trip to Cape Kennedy, Goddard Space Flight Center, and the George C. Marshall Center.

The awardees — from 41 colleges — were selected in a nationwide competition.

Editorials

Smack Snacks

The poll that was recently distributed by the IHC concerning a late night snack bar has returned the opinion that Tech students do support the idea. Even though all the results are not in, the trend is that the average student would use a snack bar two to three times a week. The problem now is in trying to find a place to operate and someone to do the work. The proposal has been made that the facility be located somewhere near the Fleming game room.

The **Tech** believes that if the final response of the majority of the students is favorable a plan of some sort ought to be worked out with the administration to begin a snack bar. However, the "really care" attitude Tech students usually possess must be taken into account. Money should not be sunk into a project which is approved by students in word, but not in deed. Therefore the **Tech** supports a plan that would start a snack bar, but with limited overhead and money. If it works on a relatively small scale, the idea should be expanded as far as demand will allow.

We hope tht the late-night snack bar will become a reality and a success. If the students want such a facility they must be ready to support it and make their wishes known to their local IHC member.

—Wally Oliver
Stuart Galley



The show at the Ice House this week is one of the best I've ever seen at a coffee house (I mean "theater-restaurant"). If you have any appreciation of folk music at all, you'll enjoy at least part of the show, if not the whole affair.

To allow people time to get served and settled, the Cherry Hill Singers strum and yell the first few songs. Actually, these guys have improved quite a bit since I last saw them, but the talent of the acts following them is so many magnitudes greater that I'm afraid I don't have many good things to say about them. But they come with the show, and if you're an early Kingston Trio fan, you'll probably enjoy them.

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I think half the audience was from the Greenwood County Singers fan club, Pasadena branch, because when they made their entrance, the port fantail arose in a standing ovation. When I saw them I thought they were just another random bluegrass group: seven people with a bass, a banjo, a couple guitars, and a few random instruments lying around. (Bluegrass, by the way, is when you don't have a voice so you swallow a kazoo and sing anyway.) Was I surprised when they opened their mouths and music came out! Not only could they sing, but their playing ability did justice to the instruments they had (I'm speaking, of course of the marvelous Martin & Co. est. 1833).

And if you happen to like bluegrass-style banjo picking, guitar flat-picking, and mandolin strumming, the little guy on the end (I think his name is Sandy Moseley) is not only versatile but good. They have a good range of style and type, ranging from the arty "Foggy Dew" to the folksy "Mule Skinner Blues." They currently have a single on the loose which is supposed to be doing pretty good: "The New Frankie and Johnny," written by Shel Silverstein "with a hand from Bob Gibson." Anyway, these guys not only sound good, but they're funny as well, with a completely relaxed and unaffected stage style.

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Just in from the East is Casey Anderson, a Negro singer with a big Gibson and a big voice to go with it. I didn't think anyone could follow the Greenwood

County Singers, but Anderson was able to. He has a powerful voice and can really get a lot of emotion into his songs, which range from Negro spirituals to talking stories with guitar accompaniment. He has some good jokes, which he tells with wide selection of accent and voice inflection.

From the songs he did, my favorite was "Backwater Blues." This song features Anderson's moving voice accompanied by some really top blues guitar picking. It's great.

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Anderson will be at the Ice House until May 30 and the Greenwood County Singers will stay until June 7. For this week only, and ending tonight, special groups are performing in some sort of audition. First there's Bob Hayes, whom I would nickname "Ethnic Bob" except that his beard is combed. He flat-picks a big Martin with D'Angelico strings sticking out in all directions from the tuning pegs. He wears blue jeans, a white shirt, and a blue vest — the perfect prototype of a folksinger. But he can really flat-pick and, although he has a weak voice, he knows how to use it, so he makes for good listening. He is also entertaining, in a pseudo-crude fashion.

The next special feature is Jackie and Gail, female vocalists with good figures and pretty faces. They are very talented singers, but, even if they weren't, it would be enough just to watch them and listen to the cool guitar background.

There is going to be another special feature tonight only, and if it's as good as the others, tonight's show should be one of the best in Ice House history.

* * *

So that people would not think I'm an employee of the Ice House, I took in another show this week. A new place opened up in Van Nuys called The Villain's Lute. Reasonable prices and lots of room make it a cool place.

Featured now are the Countrymen, who managed to sound great even though they just lost their second tenor to Uncle Sam. They are great entertainers with a lot of talent and a lot of personality.

Also in the show is Norm Jensen who sings and plays a 12-string bare-handed. Some of his jokes fell flat, and his voice isn't

By

Dick

McGehee

the best, but he made up for it by singing a cool version of "Malaguena Salerosa."

If you're ever out in Van Nuys, I would strongly recommend the Villain's Lute, but it's an awful long way to drive from here.

Dr. Hubbard Speaks Out

One of the most challenging and thought-provoking religious talks of the year was presented Tuesday night in Winnett Lounge. Dr. David Hubbard, President of Fuller Seminary, purported to answer the question "Does Christianity Involve Intellectual Suicide?" This wide-ranging talk covered subjects from the historical basis of Christianity, to the Bible, to Julian Huxley's credentials as a theologian.

Hubbard asserts that Christian commitment does not preclude investigation of any other source of knowledge. One must, however, be careful to use appropriate methodology. One would not, for instance, attempt to understand poetry or music by counting verses or diminished fifths.

He contends that science and religion deal with different questions: science answers "what" and "how" whereas religion answers "why."

Hubbard acknowledges that Christianity isn't all certainty, and that Christians and Christian understanding are by no means infallible. But one doesn't throw out physics because Newton's understanding of it has proven imperfect!

Debate Society Chooses Close

Dave Close was elected president of the California Gamma Chapter of Pi Kappa Delta, national honorary forensic society, at the election meeting last week. He succeeds Gary Scott, who was this year's president.

Other elected officers were Gary Scott, vice president; Roger Davisson, secretary; and Sean Solomon, treasurer.

New members who were elected during the year are Dan Metlay, Fred Shultz and Mike Robel.



By Steve Schwarz

Last week may have set a new record for cultural events at Caltech; there were two. The previous week there was only one, and so perhaps we have a promising trend. It will be interesting to see whether in the coming weeks we have four events, and then eight, and then sixteen.

Dr. Oppenheimer's lecture was a nostalgic occasion, with wistful overtones of it-might-have-been. Dr. Oppenheimer cannot be described as a fine speaker; his speech is weak and halting, with lengthy, tentative pauses, and punctuated most notably by a mechanistic oral punctuation mark, a small interjected "huh" which I finally decided was to be read as an exclamation point. In large measure these deficiencies were compensated by the palpable sincerity in the Doctor's voice; one could not but feel that the words were from the heart.

The substance of the message was that if more attention had been paid to the ideas of Niels Bohr and those who agreed with him (the speaker, I gathered, belonging in the latter category) with regard to being more open with the Russians concerning atomic matters, then the world might have been spared some of the terrors of the cold war. Since no arguments were advanced to support this conclusion, I think very few listeners were inclined to agree. Perhaps those who are old enough to have personally known the years when modern physics was coming into existence were expected to already know and agree with the atomic scientist's position. But sadly the great figures of that age are gone, or all but gone; and Oppenheimer was here as a last survivor of a race of giants that used to walk the earth.

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Altogether less sentimental and more commercial was John Houseman's production, "Shakespeare's Way with Women," Saturday night. Having seen Houseman's UCLA production of *Measure for Measure* and praised it to the skies in these pages, I could understand why the Faculty Committee To Make Use Of Beckman Auditorium When The Physical Society Isn't Meeting There saw fit to invite him. Gen-

tlemen of the FCTMUOBAWTP-SIMT, I couldn't be more grateful for your efforts, but Houseman kind of let us down, didn't he?

Listeners to Xtra News will understand if I say it reminded me of a certain record, advertised as containing selections from fifty musical masterpieces, a hundred dollar value, a priceless shortcut to broad musical education . . . etc. Short readings convey very little of the force of the speeches, compared to when they are delivered in their proper context. Moreover, just as the listener cannot get into the proper frame of mind, neither can the reader adjust to a role so quickly; and in fact of the six actresses only Nina Foch seemed to be actually playing the parts. (Those of the others who had memorized their parts were passable; the ones who were reading from scripts were noticeably less convincing.)

All in all, I felt the evening a waste of time and the effort of putting on a tie. But the efforts of the FCTMUOBAWTPSIMT are most hopeful. It is a pity that the new hall might generate interest in cultural affairs, but now that it has, let's hope the best use is made of what is here.

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Gridders Favored Against Lloyd Off To Early Lead In Tennis Race

Alumni, Jensen, Van Kirk

Were you so disappointed by the Rose Bowl choices last year that you didn't even watch the game on television? Well, relieve your frustrations by coming to THE GAME of the 1964 spring football season tomorrow at 4:00 p.m. on the practice field behind the gym in Tournament Park.

Yes, gang—it's really true. Bert LaBrucherie's wildcat varsity will take on a team of slovenly seniors, senile alumni, and a few studs, in the grand finale to one of the most successful spring football practices in recorded history. Bert's Beavers have been working hard for three (count 'em) solid weeks — doing isometrics (just like the big boys), blocking, tackling, running, passing the pigskin, engaging in full scrimmages, and flunking physics quizzes in the warm, smoggy glow of spring afternoons.

According to Uncle Bert this team possesses an infinite supply of "overwhelming spirit and drive." Or maybe it was: possesses an infinite supply of overwhelming spirits, and drives. A quick glance at the starting lineup tells why. Either Gary Ihas or Chuck McQuillan will get the nod at left end. George Sherman at right guard and Mike Costello at right tackle should sew up that side of the line, and the left side features Dave Shields, Gary Jaegers, or Dick Tigon at the guard position and Andy Kampe, defensive star of last season, at tackle. At left end a hot race between Lot Ensey, Les Powers and Marshall Hall is going on right now. The center position will be handled adequately by either Doug Josephson or Lee Myers, one of whom may show up as a surprise starter in the line.

Coach La Brucherie claims his "running backs are fast, experienced and tough!" It's not hard to believe, with familiar Barry Dinius at fullback, and Jon Evans at right half. Bob Scott will carry the ball from the left side. "Steve Hall is fitting into the quarterback spot as if he was born there," Coach Bert has claimed, but an inside source says frosh Ihas may have an inside shot. Other strength for the varsity will come from Greg Guffrey, Gary Tittle, Tom McKenzie, Joe Milstein, Luther Perry, Bob Serafin, Glen Williams, and Marty Westbrook. Injuries are a factor with Val Ellis, Arlin Peters, and Mike Rosbash out. The varsity has many old hands returning but are counting heavily on the dozen frosh coming up.

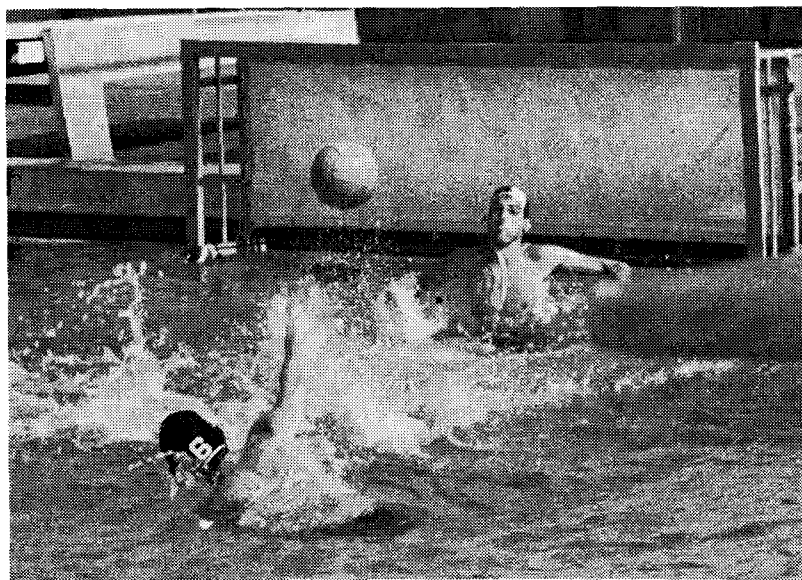
Playing for THE BAD GUYS is a combination of alumni, seniors, and rinkydinks. Heading a dazzling array of football power and humour are Coaches Keith Jensen and Harry Baldwin. But this is only the beginning of a long list of football notables which includes Bob Liebermann, Art Johnson, Thor Hansen, Charles Vinsonhaler (Captain—1963), Leon Thomsen, Lee Peterson, Mike Cosgrove, Tom DeKlyen, Larry Ruff, Rosie, Joe Taynai, Tony Dahlen, Evan Hughes, and Fred Newman.

Leading the attack will be Dick Van Kirk, who was an all-conference quarterback for the Beavers in 1957. Remembering the serious problem of injuries which have had so great an effect on Caltech gridgers of the past, the alumni have decided unanimously against practice sessions. According to Mr. Van Kirk, they "hope to win on native skills." Rumour has it that the team is actually holding secret practices nightly at Playa

Del Ray.

Action is guaranteed for tomorrow afternoon's tilt, with the

varsity being held slight favorites. Come and see the pride of Pasadena.



Unknown Flem takes a shot in Saturday's Discobolus water polo game. Ruddock's Pat Miller managed to stop this one, but let four others slip by. Fleming's victory was sufficient to ice the trophy.

Fleming Takes Discobolus, 4-3

BY BOB GILLON

(A Phlegm)

Last Friday, midst the sun and smog, the indomitable Fleming forces, defenders of truth, justice, beauty and all else that is fine on campus, enemies of the Beavers, ASCIT, but most of all Ruddock House, returned Mother Discobolus to her rightful home. The proud trophy, absent for most of a term, now returns to her accustomed spot.

Early in the afternoon, the troops assembled along the banks of the natatorium and began warming up. The armies of light, led by Jarvis, Stephens, and Owens, ably supported by Gibson, Davis, and Crapuchettes, and with the incomparable, impenetrable Bob Gillon in the goal, began to attack the shallow end. Never ones to play a dull game, Fleming allowed Ruddock an early goal (after five seconds), then proceeded to tie it up. The score remained tied for the remainder of the quarter. Ruddock tossed in two, in each of the next two quarters.

So the final period began with Ruddock commanding a two goal lead. With this safe margin, their defense slacked off and pretty soon was in trouble. Stephens and Jarvis tossed in one each to tie it up and with two minutes remaining Stephens scored the winning goal.

The victory gave the Flems a ten-point lead in the race and a sure title with only a football tilt against Lloyd remaining.

As Interhouse tennis season opened, there were a few surprises but generally everything went as expected. The most predictable event seems to be a Lloyd victory in the overall tournament. After two days, Lloyd seems to be doing well in all of the divisions.

The battle for first singles seems to be between last year's winner Dave Lischinsky, of Ruddock, and Rog Leezer, of Lloyd, the winner of the second singles contest last year. Both men have gotten off to fine starts.

The second singles race seems to be all over already. Elliot Bradford of Lloyd is in a class all by himself. The battle is for the other places. Best bet for a high finish in this bracket is Tom Latham of Blacker.

The third singles contest is completely up in the air. The field is exceptionally strong this year but Gillespie of Lloyd and Pitcher of Blacker should be favored.

Perhaps the best spectator contest of the tournament is the doubles round. The field is very evenly balanced and the caliber of play should be high. Ruddock has a fine team this year but Lloyd should put up a battle for the honors.

The race for the Interhouse Sports Trophy gets closer as the days go on. Fleming has found the going exceptionally tough so far and is in real trouble. Ruddock, however, must beat the Big Red by at least three places in tennis. This may be fairly difficult with Lloyd seemingly in possession of the first place honors. Fleming can't count on beating very many Houses, but they may make it in by the side door. Blacker may be the spoiler in the race this year. Blacker, having fielded an exceptionally strong team, has an excellent chance of taking the second place laurels away from Ruddock. If they do, look out. Fleming is hoping, Ruddock is praying, and

(Continued on page 4)



Let's say for a minute, this is you.

Once you wear the gold bars of a second lieutenant in the United States Air Force, what's in store for you?

Well, you may fly an aircraft entrusted with a vital defense mission. Or you may lead a research team tackling problems on the frontier of knowledge. You'll be helping to run an organization that's essential to the safety of the free world.

Sounds like you'll be called on to shoulder a good deal of responsibility, doesn't it?

But when you come right down to it, that's what your college

years have been preparing you for. You've got ability and a good education. Now's the time to put them to work!

You'll have every opportunity to prove your talents in the Air Force. By doing so, you can put yourself and your country ahead.

If you're not already enrolled in ROTC, you can earn your commission at Air Force Officer Training School—a three-month course that's open to both men and women college graduates. To apply, you must be within 210 days of graduation.

U.S. Air Force



BY J. K. EVANS

Hello there, sports fans! Now that it's spring football time, there's something worth writing about. So I'm writing.

This year the hallowed fields of Tournament Park will witness the first annual Alumni-Varsity Spring Fiasco. Blood will flow thickly and bones will crunch as the loyal undergrads take out all the spite they have accumulated against the self-righteous seniors and also a couple coaches. We will make it good on their bodies. So get out the stretchers.

The idea of an alumni-varsity game is nothing new. In fact, the first such game was played in 1889, between the alums and undergrads of Big Apple College in Big Apple, Tanganyika. There was more at stake than just prestige — the winners were to have the losers at a specially catered dinner. The alums won, and had the varsity for dinner. Of course, they were a little tough, being too lean, but after sufficient roasting, even the 5' 5" 155 lb. quarterback proved quite tasty. Unfortunately the coach complained bitterly about having to recruit a whole new team; the game was discontinued.

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In modern times, alumni games have become quite popular as a yardstick of next year's prospects. If the alumni are soundly trounced about the head and shoulders (I am indebted to Barry Dinius for that phrase), everybody immediately proclaims that next year will be the best season ever. If the varsity loses, the coach has an excuse ready made for next season: "All my players got hurt in spring practice."

However, in making predictions, one must exercise care. Keep in mind the case of Paris Island School of Sociology (never abbreviated in news releases), which played an alumni-varsity game in the spring of 1922. The varsity won 455-2. On this basis, the Athletic Department predicted a perfect record for the fall. It was perfect all right. They lost all nine games by scores in excess of 69-0. It seems that the Athletic Department had neglected to take into account that the school just turned coeducational in 1922, having been a girls' school up till then. The alumni team was all girls. (Incidentally, in that game there was a record set for penalties—the varsity was penalized 1795 yards for illegal use of hands.)

Therefore, beware of rash predictions. But come out and see the varsity destroy Liebermann's Losers. Tomorrow.

Game Of Cricket Gives Jolly Good Time

BY TIM HENDRICKSON

As internationally British as tea-and-crumpets and "Heighho, old chap; cheerio and all that bloody rot, you know, old bean — egads! Dr. Livingstone, I presume?" is the masterly sport of cricket, even at Caltech.

Currently undefeated, the Caltech Cricket Club is coholder with Stanford of the California Cup, "emblematic of cricket supremacy in the State of California," as Dr. R. A. Huttenback, Master of Student Houses and captain and coach of the cricket squad, aptly stated.

This year's record represents a great deal of improvement for the campus cricketers. "Last year," confided Huttenback, "we didn't win a game." Thus far in their second complete season, the Caltech squad has defeated UCLA and Berkeley, and has smashed the Westwood Club by seven wickets and drawn with the Corinthian Club. Both clubs are local organizations.

Some weeks ago, led by "that brilliant cricket strategist, R. A. Huttenback," the Caltech Cricket Club miraculously won a draw with the Los Angeles Cricket Club. The Los Angeles Club, "composed entirely of West Indians," is rated among "the top two of the Southern California Cricket Association."

"It's hard to explain a bloody thing on paper about cricket," complained Huttenback, who requested that those really interested ask players and fans to explain the rules and subtleties of the game. However, a brief account of the game follows:

The action of cricket centers around a narrow strip about twenty yards long, called the "pitch" or "wicket." At each end of the pitch is a set of three

small stakes close together, called the "stumps," connected by two wooden crosspieces—the "bails." The bowler of the fielding team attempts to throw or bounce (bowl) the ball from one end of the pitch past the batsman of the offensive team at the other end so as to knock the bails off the stumps.

If the batsman is unable to prevent the bowler from doing this, or if the batsman hits a ball that is caught on the fly, he is out, and one wicket is said to have fallen. Since there are twelve cricketers on each squad, the "inning" (always singular) ends when twelve wickets have fallen — one for each batsman. (Hence the expression "sticky wicket.")

« »

There are always two batsmen on the field, one at each end of the pitch. A run is scored when both these batsmen exchange

ends; they may do so if they think they have enough time when either the batsman being bowled to makes a sound hit or when the "wicket keeper" (a sort of counterpart to the catcher in baseball) misses the bowled ball. If, however, any of the batsmen fails to make it back to his stump before the fielding team knocks the bails off with the ball, he is out and the run does not count.

Because of the length of the average cricket game (including a stop for tea and cakes at half time), most matches in which Caltech participates are restricted to one inning. In addition, there is a time limit (usually about five hours); if the game is not completed within this limit, it is declared a draw.

More Lloyd

(Continued from page 3)

Blacker is playing tennis. (An interesting spectator aspect is called to mind by former Sports Editor Stanley Sleeve. According to Stan the cool play is to clap exceptionally hard when a member of your side hits anything that is doubtfully close to the line, thereby intimidating the opponent from calling it out.)

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