

The California Tech

California Institute of Technology

Volume LIX

Pasadena, California, Thursday, May 1, 1958

Number 25

Four Profs Discuss Bomb Tests

by Jim Uleman

Four Caltech faculty members discussed the pros and cons of nuclear weapons testing and disarmament before a capacity crowd in Culbertson Hall last Thursday. The unofficial and informal seminar was sponsored by the YMCA.

The first speaker, Dr. Milton Plesset, Professor of Applied Mechanics, spoke on "The Effect of Fallout on Radiation Levels." He presented as a conservative estimate of the natural radiation to the human body the figure of 120 milliroentgen per year. This is composed of 65 milliroentgen per year from the ground, 35 mr. per year from cosmic radiation, and 20 mr. a year from internal radiation of body carbon and potassium. In contrast to the 120 mr. per year natural radiation, he estimated the radiation due to fallout at 2 mr. per year.

Gives Figures Significance

To give these figures more significance, he pointed out that a chest X-ray exposes the body to 100 mr., a spinal X-ray gives 5700 mr., and a dental X-ray produces 10,000 milliroentgen exposure.

Concerning fallout's effect on ground radiation, Plesset mentioned that the ground radiation in the Southern Hemisphere, where there have been no nuclear tests, is about 3.6 millicuries per square mile. The average for the Northern Hemisphere is

(Continued on page 3)

Chemists Offer Baxter Prizes

For the third successive year, Don Baxter, Inc., has made a grant that will be used to award two prizes of \$125 and \$75, for research in chemistry by undergraduates, it was announced this week by the chemistry division.

To compete for the prizes a student in the Chemistry or Applied Chemistry Option is to submit a research report by Monday, May 26, 1958, describing an original piece of research performed by him.

Judging will be done by a committee appointed by the Chairman of the Division. The basis of judgment will be the quality of the research work, the quality of the report, and the ability, initiative, and promise for future development which the student has manifested in this work.

Announcements

CLASS ELECTIONS SET MAY 13

Elections for class officers will be held Tuesday, May 13, according to election committee chairman Doug Shakel. Nominees will be chosen at lunch meetings next Tuesday. Final nominations should be given to Shakel (Dabney) by Thursday night, May 8.

CAMPUS CRUSADERS RETURN

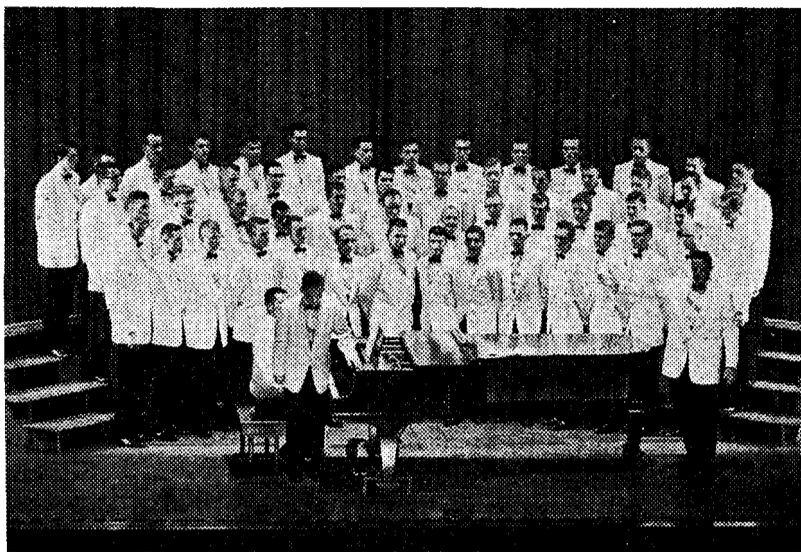
The Campus Crusade Team will return to Tech tomorrow for the first of a series of luncheon lectures sponsored by the Caltech Christian Fellowship.

Dr. Volker Weidemann, a Tech astrophysicist, will begin the series with "An Empirical Approach to Evangelical Protestantism." The team last visited the campus in January.

SLIDES SET FOR C.E. MEETING

Colored slides of earthquake damage to buildings in Mexico City and recent construction work on the 700 foot Glen Canyon Dam on the Colorado will be featured at the meeting for freshmen interested in the Civil Engineering option.

Professors McCormick and Brooks will direct the meeting which will be held Wednesday, May 7 at 4 p.m. in 206 Engineering.



A record crowd filled PCC auditorium to hear Caltech and eleven other glee clubs Saturday night.

Sing Draws Record Crowd; Tech Rated Among Best

A record crowd of 1500 music lovers attended the 1958 Intercollegiate Choral Festival last Saturday evening as the Caltech Glee Club played host to eleven performing groups from Occidental, Pomona, Redlands, Whittier, Scripps, UCLA, Los Angeles State, and Long Beach State.

The Tech Club put on the "most successful Festival in history," according to director Olaf Frodsham, who received numerous compliments from guest performers on the organization and hospitality shown by the local men. The directors agreed that the overall caliber of singing was higher than it has ever been, said Frodsham.

Y Discusses Labor Topic

The YMCA is sponsoring a seminar about the problems of labor in connection with the Victor Reuther visit May 13-15.

On Wednesday, May 7, Governor Goodwin Knight will talk to the group from 1:30 to 2:30 P.M. Governor Knight is the Republican candidate for California Senator.

On Monday, May 13, the group will discuss the economic influences of labor with Arthur Carrington, Professor of Industrial Relations at UCLA.

Wednesday, May 14, they will speak with Victor Reuther, and on May 21 with Claire Engle, Democratic candidate for the Senate.

In preparation for the seminar, students will read two pamphlets, "Union and Union Leaders of their Own Choosing," and "Economic Power and the Free Society."

Students may sign up for the seminar at the Y office until May 6. Signup is limited to fifteen students.

Festival regulars credited the Tech singers with their best effort yet. In the opinion of Pierre Sundborg, who recorded the event on tape for Frodsham, the technique shown by the Glee Club was equal or superior to that of any of the men's clubs, including Occidental's. The Occidental Men's Glee Club is generally considered best on the West Coast.

The Caltech choristers kicked off the singing, appearing in their traditional white dinner jackets, not rented this time, but their own, as the Glee Club was finally able to finance this addition to their wardrobe through a Service League gift and a loan from the Institute.

Formals Top Social Slate

All four student houses are featuring formal dinner dances this Saturday. House members and their dates will enjoy dinner in the student houses and spend the evening dancing in the courtyards and lounges.

Blacker men will start the weekend with a skating party Friday night. Saturday, the big night, Blackerites will dance to the music of the Robert Linn combo.

Dabney plans a barbecue in the mountains as a Friday night prelude to the Dabney Formal. The Ron Rodriguez band plays for the Darbs.

Ricketts and Fleming traditionally sponsor the Ricketts-Fleming Formal, which this year features the music of the Sheldon Coler band. Friday night Fleming plans to see "Teahouse of the August Moon," and Ricketts will have an exchange.

'Aussies' Score At Model UN

Caltech Delegation Influential In General Assembly, Committees

by Cleve Moler

Five weary ex-Australians returned from Model United Nations last Monday praising the conference and claiming success for the Tech delegation. Bob Walsh, Jim Wilkinson, Tom Jovin, Wally Baer and Cleve Moler attended the four-day session which was held at the University of Washington.

More than 60 schools from five Western states and Alaska represented over 70 of the 82 United Nations members. The U. of Washington, acting as the Secretariat, provided the facilities and administrative personnel for the mock session.

Aussies Address Assembly

Tech's Australian delegation, working to obtain compromises between opposing power blocs on several key issues, were instrumental in getting many of the important resolutions through the committees and the General Assembly. Out of the 40 or 50 majority and minority speeches given before the General Assembly on Saturday, Jovin and Wilkinson each gave one. The Aussies also carried on more than their share of behind-the-scenes politics.

Disarmament was expected to be the most important issue before the conference, but failure on the part of both the U.S. and the U.S.S.R. delegations to push the issue and to follow established policies resulted in little debate on the problem. A resolution

(Continued on page 6)

Lost Weekend Set May 9-11

Lost Weekend, ASCIT's biggest third term social event, will take place May 9-11, according to Social Chairman Ken Dinwiddie. The Weekend, which was first held in 1953, is Techmen's best chance to bring dates from out of town to visit southern California and the Institute.

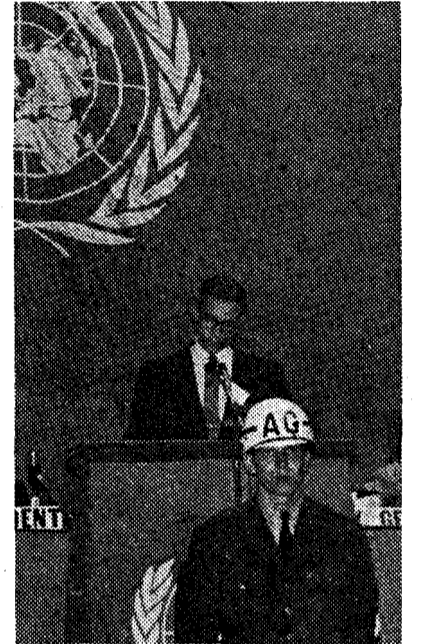
A dinner in Blacker house Friday evening will begin the festivities. Buddy deFranco and his orchestra will provide the music for Friday night's dance in the olive court which will follow the Glee Club's Spring Concert in Dabney Lounge. The girls must be returned to their student house rooms by 2:30 a.m., Dinwiddie cautioned.

An all-day beach party at Little Corona will take up Saturday for the couples. Tech's Marine Lab at Corona will provide all the necessary facilities except lunch which the party-goers will have to obtain themselves.

Dinner at Heisler's, a dance at the Elks Club in Laguna and the same 2:30 rule will complete the day.

All-you-can-eat is the Sunday morning breakfast menu at Rand's in Glendale, after which it should be back to work for everybody.

Total cost of the three-day affair, including lodging and all meals, is \$7.50 per couple. The ASCIT social budget provides the rest of the funds for the event.



"Australian" Jim Wilkinson addresses the General Assembly at the Model United Nations.

BOD Selects Camp Staff

Seventeen men were chosen as counselors at the "new" New Student Camp by the Board of Directors Monday night. The men will join the BOD members and the five house presidents at the camp which begins September 25.

ber 25, pending approval of the list by Foster Strong, Dean of Freshmen.

Wally Baer, Bill Bauer, Bob Blandford, Keith Brown, Kent Frewing, Dick Johnson, Bob Lange, Mike Milder, Cleve Moler, Stan Sajdera, Oliver Seely, Doug Shakel, John Stromberg, Mike Talcott, Tom Tebben, Clyde Zaidins, and Gary Zimmerman were the men picked from among the 50 applicants.

THIS WEEK

Fri., May 2 — Track, conference meet at Oxy, 7:30 p.m.

Frosh track, conference meet at Tech, 2:00 p.m.

Swimming, Tech at Oxy, 4 Dabney, "Picnic Bar-B-Q" Fleming, concert party Blacker, skating party Ricketts, exchange

Sat., May 3 — Baseball, Tech at Redlands (2), 12:30 p.m.

Ricketts-Fleming Dinner Formal

Dabney, Spring Formal Blacker, formal

Sun., May 4 — Y Film Series, "Dirty Hands," 7:30 p.m.

Mon., May 5 — Golf, Tech at Whittier, 1:30 p.m.

Yell Leader applications due

Wed., May 7 — Baseball, Tech at Oxy, 3 p.m.

Thur., May 8 — Swimming, conference preliminaries here, 3:30 p.m.

Fri.-Sun., May 9-11 — ASCIT LOST WEEKEND

Editorial

Y Letter Provokes Odd Reaction Among Students

Last week a letter was sent to **Time** magazine bearing the signatures of 261 students and 75 faculty deploring the news-magazine's April 21 treatment of the National Committee for Sane Nuclear Policy, singling out for criticism the story's reference to Caltech's own Dr. Linus Pauling.

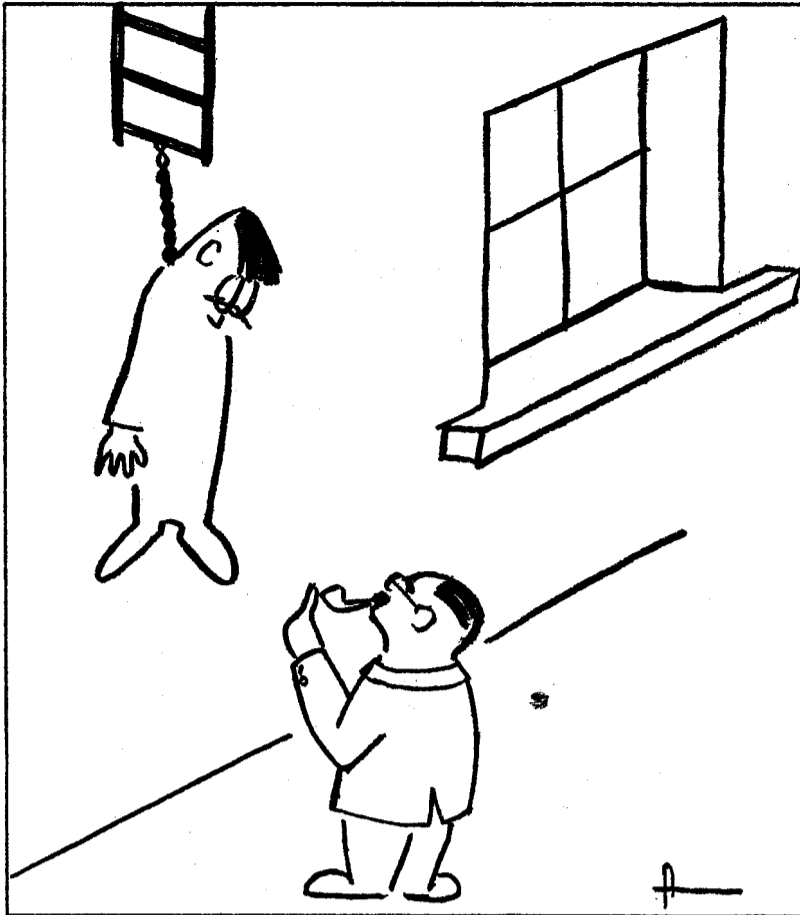
The Y members who circulated the letter were able to arouse a surprising amount of interest on campus, judging from the volume of the response. They also managed to arouse some truly astonishing reactions in certain quarters of the student body.

For instance, in one of the Student Houses, someone thought it prudent to suggest, in a lunchtime announcement, that those who signed the letter took a chance on endangering their security clearance. His unspoken premise was that the **Time** article had charged by implication that the Committee is dominated by Communist sympathizers, or dupes of Communists, and that the U. S. government might not take too kindly to anyone who publicly criticized the article.

Such a suggestion is nonsense. But the implication that the government has become so intolerant of free expression of opinion that it presumes to exercise censorship in this manner was met with no alarm. The implication that the students themselves should voluntarily submit to such censorship was met with no indignation. The fact that a number of students in that House ultimately **did** submit themselves to such censorship, implied or otherwise, was met with no distress.

The issue is not the appropriateness of the sentiments expressed in the letter. Many refused to sign the letter because they genuinely disagreed with the contents. The issue is that a number of students who privately admitted sympathy with the protest preferred not to sign because of the nebulous suggestion of a threat by a government agency. They were willing to accept the fact of such an imposition on their freedom of opinion, whether the fact is truth or nonsense, without question and without protest.

We find it hard to believe that so many students at Tech have become indifferent to the democratic traditions in this country. We maintain that students, as young members of an "educated" minority, must accept the responsibility of understanding and protecting these democratic traditions. They must show the courage to express and defend a controversial opinion, and they must be quick to resent any attempt to control their opinion.



"Hadley, this upperclass cynicism of yours is undermining the morale of the freshmen."

Secretary's Report

CLASS ELECTIONS

Class elections will be held on Tuesday, May 13, a great break in tradition.

STUDENT CAMP COUNSELORS

Seventeen students were selected from the overwhelming list of applicants for counselors at next year's frosh camp. Their names are listed elsewhere. Including the BOD and house presidents, 31 undergraduates will be attending the camp.

BUDGET

After much soul-searching and value-system analysis, the major parts of the budget were approved. A complete report will be released next week.

MODEL UNITED NATIONS

The Chairman for next year's Model U.N. delegation will be chosen next week. Caltech has actively applied for Russia as the country it will or would represent at the 1959 conference, to be held at U.S.C.

Tom Jovin

LETTERS TO THE EDITOR

'Time' Protest

Dear Sirs:

The California Tech committed an understandable error in its last issue when it reported that the Caltech YMCA was protesting **Time** magazine's article about Dr. Pauling. While it is indisputably true that the large

majority of people actually engaged in circulating the petition were YMCA members, the student cabinet of the YMCA clearly voted that this protest must not be construed as a YMCA protest but only as the protest of the people who signed the letter.

Bob Blandford

California Tech

EDITOR: Mike Milder

EDITORIAL BOARD

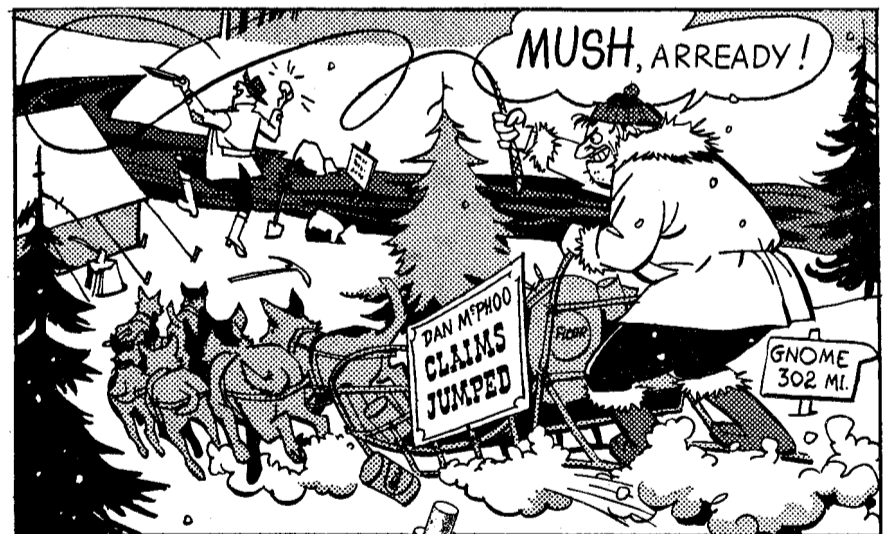
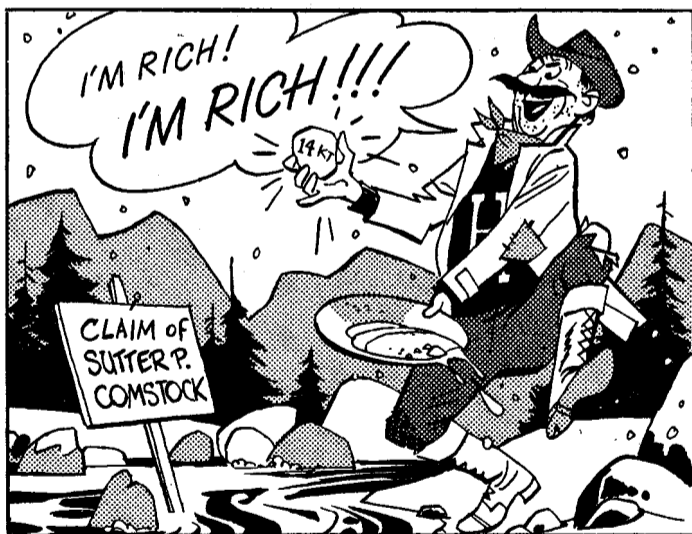
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SUPER-WINSTON PRODUCTIONS PRESENTS THE CURSE of the YUKON

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A Stirring Saga of Slush and Mush (Achooo!)



THE NEW CRUSH-PROOF BOX IS A REAL DISCOVERY, TOO!

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Visiting Singers Get First Look At Caltech

Roving Reporter Gathers Impressions, Hears Comments

By Martin Carnoy

BY Saturday afternoon the first formal dresses were drifting into the courtyards, and the white jackets and orange ribbons were providing information to some of the slightly lost visitors from the outer world.

This was many a Techman's dim view of the Glee Club Festival. The guests disappeared temporarily from sight as they entered the spacious dining rooms to consume their \$1.75 meals and then hurried off to expand their lungs at a mixed audience. To most at Caltech, the traffic through the lounges was the end of their encounter with the members of the visiting glee clubs.

However, the intruders had a wonderful opportunity to scrutinize the campus and the men of California and Wilson. They saw, many for the first time, what the brains and their houses looked like.

This reporter, disguised as a common student, broke into the exclusive party held at Dabney Hall after the concert, and interrogated some blue ribbons and dates.

"I always kinda thought that, well, all the guys would sort of be up in the air looking down at all of us, you know what I mean—real stuffed shirts, but they're really not like that at all. They're kinda nice, in a way," a UCLA redhead mumbled at the punch-bowl. Before I could ask her to dance, her date interrupted me.

"You know, your campus looks quite a lot like Stanford." I was surprised, but suavely agreed that the clean, beige stucco walls did give a rather Stanfordian air. "Yes," he continued, sipping his

punch simultaneously, "I never imagined this place to look like this. I thought it would be more like a factory, and labs and stuff all over the place, and guys in lab aprons going around thinking, sorta."

"I like your school a lot," the bouncy brunette from Long Beach State buzzed on. "I didn't know what to imagine Caltech was like. I mean I wasn't very worried about it, if you know what I mean. I really like your campus. The walls are all covered with ivy, and everything. That's neat. Our school is real new, and the ivy is just starting to grow, and we have to eat off these lousy plastic plates in a cafeteria, and all like that."

"How new is your school?," I came back, wryly.

"Oh, we were founded in 1949. We had our eighth anniversary last week."

"How could you have your eighth anniversary this year if you were started in 1949? That was nine years ago." My mathematical training had finally paid off.

"Hmm," she thought. I could tell she was thinking because she closed her eyes and furrowed her forehead ever so slightly. "But our president said in his speech that it was our eighth anniversary."

"I guess you shouldn't question the word of your president."

The Glee Club Festival was over. The formals and blue ribbons went home to tell their classmates of the droll acquaintances they had made and the terrific competition engaged in on the PCC stage. Yet, one question went unanswered in the minds of many—both visitors and hosts: Who won?

Tech's hosting Glee Club packed 520 visiting singers into the Student Houses and Athenaeum to feast on the fine campus cuisine before the Festival last Saturday.



Guest glee club members dance away the strain of their performance to the tune of a local combo in Dabney Hall. The Tech Glee Club sponsored the dance as part of the Festival.

Profs Discuss Bomb Tests

(Continued from page 1)

16 mc. per square mile, and in the United States, where tests have been held, the average is 22 mc. per square mile.

Biological Effects

Dr. Edward Lewis, Professor of Biology, spoke next on "The Biological Effects of Radiation." He felt that the most serious effects of radiation are the effects it has on future generations. According to Lewis, 2 percent of all births exhibit "mental and physical gross defects." Ten per cent of these are estimated to be due to radiation, natural and otherwise. This means that per generation 2,400,000 gross defects, due to radiation, are produced in the world of which an estimated 80,000 are due to fallout radiation.

He estimated that 10 leukemia cases and 1000 deaths result in the United States every year from fallout radiation.

Lewis also presented a graph, plotting leukemia incidence against radiation exposure, to support his contention that there is no "radiation threshold" below which radiation has no harmful effects on the human body.

Feasibility of Monitoring Tests

Dr. Frank Press, Professor of Geophysics and Director of the Seismological Lab, talked next on "The Feasibility of Monitoring Tests."

On the subject of detection of tests, Press pointed out that all tests on and above the ground can be detected with barometric and seismological devices. Detection of underground tests presents a problem. Explosions greater than two kilotons can

easily be distinguished from earthquakes. Smaller disturbances must be investigated in the field to determine the cause.

Press recommended that a network of monitoring stations be set up all over the world, possibly under United Nations control, to detect tests over two kilotons. Later these stations might be manned with field teams to investigate explosions under two kilotons, and even later the stations could be expanded to do such things as missile monitoring.

Looks to Future

Dr. Harrison Brown, Professor of Geochemistry, spoke last on "1980 Without Arms Control." His argument for the discontinuation of tests was based on an estimate by the National Planning Association that 25 years from now, at least 15 nations "will be in command of the technology to manufacture nuclear armaments," and that in another 25 years that figure will have risen to 30 nations.

Stopping tests would slow down the advance of technology needed to wage nuclear war and would give us, therefore, more time to secure agreements on disarmament and world-wide monitoring stations. If the spread of technology is not slowed and 15 nations are capable of waging nuclear war in 25 years, retaliation against an unknown aggressor becomes a ridiculous defense, he said.

The talks were followed by a question and answer period, supervised by panel moderator Dr. George Beadle.

Double-header!

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Heard From The Wings

Long Day's Journey Staged At Biltmore

by Joel Yellin

Now playing at the Biltmore is O'Neill's autobiographical drama, "Long Day's Journey Into Night." If you're prepared to spend five dollars a ticket, you'll have an unforgettable dramatic experience.

Quasi-Music

The newest fad in the ultra-sophisticated society of composers of quasi-music (i.e., music involving no animate performers), is the use of recordings of missile firings. Since about 1948, various composers have been experimenting with purely mechanical methods of producing music. Pre-eminent in the group is the German, Werner Egk, formerly a perfectly normal producer of ultra-dissonance. The tools of this interesting art form are oscillators, etc.

Subscription FM Station

Of interest is the efforts now being exerted towards obtaining a subscription FM station in southern California. The plan worked out fine in Berkeley where ten thousand people each contributed a dollar a year and

were rewarded with commercial-free programs of classical music. Of course the plan ran into difficulty owing to the opposition of regular commercial stations. If you're interested and want to subscribe a dollar or so, see Bob Blandford for details.

Techman Writes Sonata

The versatility of Tech students was proved beyond a doubt recently when off-campus junior Arthur McLearn wrote a piano sonata which was given its premiere at Santa Barbara's Music Academy of the West. Gyorgy Sandor, Columbia recording artist, and now professor of music at Southern Methodist University, gave the performance. Dr. Donald Pond, composition teacher at the Academy, tells us the work received an enthusiastic reception.

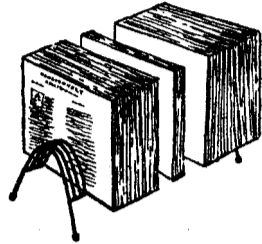
Horowitz In Town

Information from usually reliable sources tells us that Vladimir Horowitz will probably be making a Pasadena appearance sometime in June. Unfortunately we weren't able to get speci-

tics but more will follow as the details are learned.

Recommended For Listening

In the modern-music-recommended-for-listening column: Darius Milhaud's "La Creation du Monde." Milhaud is always wonderfully interesting, even if he seems pedantic and far too dissonant at times. The most familiar recording of this is of course, the Columbia recording also containing works by Leonard Bern-



stein. This writer is waiting for a recording of the composer's opera "David," performed with great success at the Hollywood Bowl a year or so ago. Also for those who can stand dissonance, the above mentioned Werner Egk's chamber music is intellectually trying.

Jazz Beat

by Lloyd Kamins



Nat Adderly — To the Ivy League from Nat

Emarcy MG 36100 featuring: Nat Adderly, cornet; Cannonball Adderly, alto; Junior Mance, piano; Charles Wright, drums; Sam Jones, Al McKibbon, bass.

The album is pitiful. Throughout the entire set, Cannonball fights against odds (4-1) trying to turn out something of worth.

ALLOW ME to emphasize the fact that Cannonball should not be condemned with the rest of the group. He, as always, plays well. He swings, when the rhythm section lets him, and his lines are worth listening to. His tone is full and rich, with a vibrato which is perhaps just a bit too fast. This record is very likely the worst that he's put out, due primarily to the rest of the group.

The songs and the arrangements are good. Some are excellent, as in *The Fat Man*. The troubles lie simply in that the group can't cut them. Immediately after the head chorus everything falls apart. The emphasis of the selections is on the funky motif. However, the only one who can blow with any soul is Cannonball, and he has to fight to keep from being dragged down into the mire.

NAT ADDERLY is bad. That's all; it's quite simple. He plays loud, fast, and high, but so can Lawrence Welk. He also takes the bulk of the solos, which usually turn out to be meaningless blitherings (as in idiot). The inane liner notes claim that Nat sounds like Clifford Brown, which is not particularly unusual, as they both play horn.

The pianist, Junior Mance, is the worst I've heard in some time. As far as comping goes, he is only mildly innocuous, but when he solos, he's positively amateurish. In fact, he's the rankest amateur that I've heard recorded, in the true sense of the word, rank.

THE NEARNESS OF YOU is the biggest farce. Cannonball starts off nice and lyrical, but he is rudely interrupted by Nat who twiddles for a full chorus under the mistaken impression that he's swinging. Cannonball breaks in again and tries to save the track, but Nat insists on putting in his ridiculous ending.

Some of the record isn't really bad, but in general it is highly disappointing. Let this account serve as a lesson to those of you who would buy a record without listening to it—as I did.

Sticklers!

WHAT ARE THE PANGS OF LOVE?

 BOB ARCHIBALD, U. OF OREGON *Heart Smart*

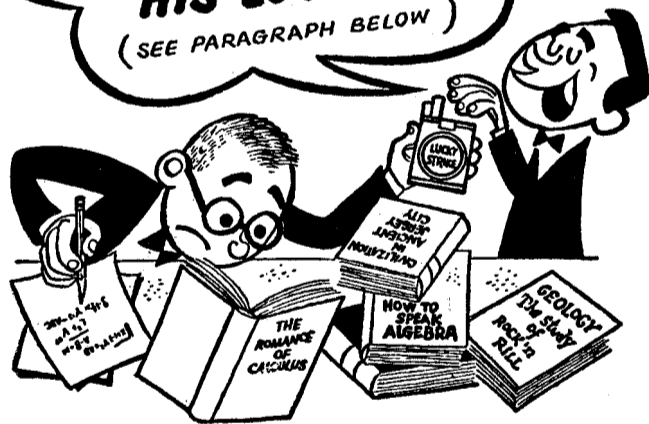
WHAT IS A STUDIOUS FELLOW WHO FREELY HANDS OUT HIS LUCKIES?
 (SEE PARAGRAPH BELOW)

WHAT'S A SECOND-STRINGER'S MISTAKE?

 WILLIAM BOWERMAN, BOWLING GREEN *Scrub Flub*

WHAT IS A POOR LOSER?

 MARGOT BANNISTER, GRINNELL COLLEGE *Bitter Quitter*



WHAT'S A SLOPPY RAILROAD BRIDGE?

 ROBERT MAC CALLUM, U. OF VIRGINIA *Slack Track*

WHAT DO TV WRESTLERS USE?

 CAROLYN NYGREN, PEMBROKE *Pseudo Judo*

THE MENTAL MARVEL mentioned above is so studious he made Phi Beta in his junior year—of high school! When he walks into classrooms, professors stand. The last time he got less than 100%, the proctor was cheating. When it comes to smoking, he gets straight A's for taste. He smokes (All together, class!) Lucky Strike! Naturally, our student is fully versed on the subject of Lucky's fine, light, good-tasting tobacco. He's well aware that it's toasted to taste even better. So when someone asks him for a cigarette, he's happy to spread the good taste. And that makes him a *Kind Grind!* Assignment: try Luckies yourself!



Don't just stand there...
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Sticklers are simple riddles with two-word rhyming answers. Both words must have the same number of syllables. (No drawings, please!) We'll shell out \$25 for all we use—and for hundreds that never see print. So send stacks of 'em with your name, address, college and class to Happy-Joe-Lucky, Box 67A, Mount Vernon, New York.

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LIGHT UP A *light* SMOKE—LIGHT UP A LUCKY!

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FROSH CHATTER Redlands Tops Swimmers; Mayer Stars

by Gary Ihler

The frosh swimmers carried a four-point lead into the final relay last Wednesday, but were then nipped by Redlands, 43 to 40. Tech star was Peter Mayer, who set a new frosh record of 2:38.8 while winning by a hair in the 200 butterfly. Mayer also recorded a victory in the breaststroke.

Tibbets won the 440 and 220 for Tech and Heath took a second in the 50-yard free style.

Tech won Friday's meet with Whittier quite handily as they sent out only two men, a swimmer and a diver.

BASEBALL

Whittier dropped the frosh nine by a titanic 26 to 7 count on Saturday, riding easily on a 10-run first inning.

TRACK

Wednesday, the frosh team lost a meet to Whittier, and on Saturday it competed as a fifth team with the varsities. Leibovich took second in the javelin against Whittier and placed third on Saturday. He also earned Tech a third in the discus on Wednesday.

Stewart got second place points with the shotput on Wednesday and won the discus Saturday. Weaver placed in the pole vault both days.

The team will enter the All-Conference meet tomorrow, competing with Oxy, Whittier, Redlands, and Pomona.

Darbs Favored In Basketball

Interhouse basketball practice officially began with the close of football season Monday. Dabney, with several varsity members on their team, is the pre-season favorite, but as usual every team is a threat.

Schedule:

- May 12—Blacker vs. Fleming
- 13—Throop vs. Dabney
- 14—Ricketts vs. Blacker
- 15—Fleming vs. Throop
- 16—Dabney vs. Ricketts
- 19—Blacker vs. Throop
- 20—Fleming vs. Dabney
- 21—Throop vs. Ricketts
- 22—Dabney vs. Blacker
- 23—Ricketts vs. Fleming

Coach LaBrucherie Seeks New Talent

Spring football practice is scheduled to begin Monday, May 5, at 4 p.m.

"Because of the loss of nine starters from last season's team, every position is wide open," Bert LaBrucherie said in a note to last year's players. "We want everyone in school who wants to learn to play, large or small, fast or slow, good or bad, experienced or inexperienced, to turn out. If you have the desire and are willing to work, we will show you how."

"Last season was Caltech's best in many years, and if we are to continue winning games we must have a large turnout. Let's get with it and make this the largest spring squad in the history of the Institute. Let the coaches be the ones to judge whether or not you are any good."

Equipment can be checked out between now and May 5 at the gym.

Emerymen Coast To Easy Win Spikers Edge Whittier, 66 1/2-64 1/2

Drown Bulldogs, Poets; Favored Over Oxy Tankers

by Dave Tucker

Caltech's swim team, acting unlike a Caltech team, sliced easily through two league duals last week by taming Redlands on Wednesday and Whittier on Friday. As usual, the big guns of both meets were Rees, Owings, Blandford, and Brown.

An interesting event of the Friday meet was the long-awaited battle of titans in the 50 freestyle, featuring star performers Brown and Rees.

Each has bettered the school record in this event during the season, and each was expected to slip underneath it again. However, Brown just didn't seem to have it that day, and Rees couldn't get himself into high gear until the second lap, leaving the latest record intact.

Clarke Tries New Events

It was an all-around bad day for colorful Clarke. After he was touched out in the 50 freestyle, Coach Emery gave him the good news that he was to swim the breaststroke and butterfly races, which he had never swum before. He came through admirably, but not well enough to beat ace teammates Owings and Blandford.

The biggest hard luck story of the week was that of Bob Blandford, who came in with a 2:33.8, breaking the 200 butterfly record by 2.2 seconds, only to be disqualified because of an illegal arm motion.

Smoak, Taylor Improving

The best news was due to Bob Smoak, who finally seems to be getting into shape, and Vince Taylor, who made strong showings in the sprints.

The team's next contest is with Oxy tomorrow at the Tigers' pool. Oxy, having few good swimmers and only one or two of top caliber, should be a pushover.

Leonard, Van Kirk Pace First Victory

The Caltech track team closed its dual meet season in good form by winning the last two meets.

In a thrilling meet decided by the last event, the mile relay, the Tech spikers last Wednesday defeated the visiting Whittier Poets 66 1/2 to 64 1/2 for their first league track victory. Outstanding performances by Len Peden of Whittier, who copped three firsts made the meet closer than expected.

Wins In First Try

Tony Leonard, running the mile for the first time, ran a smart race, staying even with Perez from Whittier until the last turn, then passing him and winning by about five yards.

Tony also finished first in the 880, while dependable Dick Van Kirk gained first in the 220, broad jump, and tied with Gordie Barienbrock for first in the high jump.

Triumph Over Four

In a five way meet last Saturday, the Caltech varsity won easily with 83 3/4 points. Cal Poly was second with 41 1/2, Westmont placed third with 35 1/4, the Caltech frosh gained fourth with 31 1/4, and Pasadena Nazarene ended up with 28 1/2 for fifth place.

Friday evening, Occidental hosts the All-Conference Track meet. The powerful Tigers, far and away the best team in the conference, are favored to take firsts in every event. The two brightest hopes for preventing complete Oxy domination seem to lie in the broad jump and the high jump. Caltech's Barienbrock will try to best Oxy's Jamison in the latter, while Van Kirk will be hoping to upset Schmidt in

(Continued on page 6)

Standings					
BASEBALL		SWIMMING*			
Won	Lost	Won	Lost		
Occidental	6	2	Pomona	3	0
Whittier	7	5	CALTECH	2	1
Redlands	5	4	Occidental	1	2
CALTECH	4	4	Redlands	1	2
Pomona	3	11	Whittier	1	3

*Note: Championship decided by all conference meet, May 10.
(Includes competition of April 29.)

Sports

Horsehidiers Beat Redlands; Then Split With Whittier

by Lance Wallace

The Tech baseball team extended their winning streak to four games, and were breathing the rarified air of second place for about twenty minutes Saturday, before an effortless Whittier southpaw jolted them back to earth with a two-hit shutout, 9-0.

But that was the second game of a doubleheader, and throughout the first one the Beavers were looking like the class of the league, as they bombed Whittier's No. 1 pitcher for 14 hits and a 9-6 victory.

Late rally brings win

Pitcher John Walsh started the first game Saturday, holding the Poets to a pair of hits and one run for five innings. In the sixth, however, he suddenly lost his control, walking three, hitting a pair, and allowing one hit before Tony Howell came into put out the fire. The five-run outburst tied the score at 6-6.

After two were out in the top of the eighth, Bill Kern and Bob Emmerling singled, Dave Blake more managed to get in the way of a pitch to fill the bases, and Freddy Newman worked the walk that drove in the winning run. Walsh then made up for his wildness with a sharp two-run single to right, and with that, Howell had two more than he needed.

Win Streak Ends at Four

In the second game, it seemed to be a case of too much too early for the Beavers; the memories of the fourteen-hit first game made them much too anxious to be effective as hitters, especially against Poet pitcher Osborne's easy style.

Meanwhile, Whittier batters were raking starter John Price and reliever Marty Kaplan over the coals for nine hits and nine runs, although both Price and Kaplan were hurt by errors.

Howell Gets Win

Last Wednesday, the Beavers evaded their record at 3-3 as they waxed Redlands, 11-6. Howell started and won credit for the

victory although Price was needed in relief in the fifth inning. After Redlands had built up a 4-0 lead, the Beavers exploded for five singles and five runs to take the lead.

Walsh picked up two hits in his first two trips to run his consecutive total to 13 straight hits before having his record marred by getting on by an error. He finished up with four for five Wednesday to run his average up to a phenomenal .700 plus. Saturday, however, a mere two for seven dropped it back down to around .600.

Yesterday, the Beavers traveled to Oxy to face the league leaders in the first of their four-game series together. Howell

(Continued on page 6)

Ricketts Cinches Interhouse Trophy Win



Stevens awaits a Converse pass which was good for another Fleming gain in their 15-0 win Monday over Ricketts.

Throop Captures Football Title

Throop won the Interhouse Football race with Dabney and Fleming, tying for second, Ricketts taking fourth, and Blacker finishing fifth.

Thursday, Blacker worried the front running Throopers before going down to a close 13 to 16 loss.

On Friday, Fleming and Dabney tangled in the most exciting game of the series. Fleming scored in the first quarter on a short Converse to Wiberg pass, but missed the try for the extra point. Both teams came up with scoring threats in the next two periods, but nothing materialized until late in the last quarter when Magdaleno made a jug

gling catch of Bassis short pass to score for Dabney. The crucial extra point was missed and the game was tied, since neither team could score in the little time remaining.

On Monday, Fleming handily dumped Ricketts, 15 to 0. The Rowdies never offered a real scoring threat. Early in the game Meese caught Montoya in the end zone for a safety. On the ensuing kickoff, Converse ran the ball back all the way for the score. In the second half, it was Converse again, plunging over from the six-inch line after Meese had carried the ball that close on an intercepted pass.

Ricketts has won the Interhouse Athletic Trophy for the first time in many years by winning at least a share of first place points in four of the seven interhouse sports.

The Rowdie softballers opened this year's race by earning a second place to Throop's strong team, losing the first place game by a single run. Soon following came first place tie with Blacker in Cross Country and a third place finish in swimming, behind Fleming and Dabney.

Tennis produced considerable excitement, with some close final matches elevating Ricketts into a tie with Throop for top honors.

The Rowdie tracksters breezed through all competition, and a surprising volleyball aggregate fought to a tie for first with Blacker, thus building a commanding lead which the fourth place finish in swimming completed.

The complete standings read:

Ricketts	100
Dabney	77
Fleming	77
Throop	74 1/2
Blacker	73 1/2

Basketball Next Discobolus Sport

Ricketts plays Fleming in basketball next week. A victory by forfeit over Throop has boosted the point lead to six over Blacker who, in turn, leads Dabney by one point, Fleming by three, and Throop by seven.

SCOREBOARD

- Baseball:**
Caltech 11; Redlands 6
Caltech 9, 0; Whittier 6, 9
- Track:**
Caltech 66 1/2, Whittier 64 1/2
- Swimming:**
Caltech 64, Redlands 21
Caltech 58, Whittier 26

Spikers Edge Whittier, 66 1/2-64 1/2

(Continued from page 5)

the broad jump. In the 880, Oxy men should have little trouble, but Leonard will be running his best against the Redlands and Pomona entries in a battle for the amateur crown.

Whittier Summary

Mile: 4:43.2; Leonard (CT), Perez (W), Paull (CT).
440: 52.2; Sutton (W), Forbess (CT), Hood (CT).
H. J.: 5' 8"; Van Kirk & Barienbrock (tie) (CT), Peden (W), Jewett (CT).
100: 10.2; Peden (W), Van Kirk (CT), Fopiano (W).
B. J.: 22' 7"; Van Kirk (CT), Fopiano (W), Gunckel (CT).
Shot: 46' 3"; Asaro (W), Sarthov (W), Hailey (W).
120 H.H.: 16.0; Peden (W), Donner (W), Van Kirk (CT).
880: 2:06.6; Leonard (CT), Ahrens (CT), Hailey (W).
220: 22.4; Van Kirk (CT), Tebbs (W), Forbess (CT).
Jav.: 174' 11"; Purnell (CT), Sarthov (W), Kurlich (W).
P.V.: 12'; Elliott (W), Herlein (CT), Laderman (CT).
2 mile: 10:27.6; Perez (W), Paull (CT), Konrad (CT).
220 L.H.: 25.2; Peden (W), Krehbiel (CT), Donner (W).
Discus: 145' 3/4"; Asaro (W), Pitzer (CT), Sarthov (W).
Mile relay: 3:28.2; Caltech, Whittier.

Model U.N.

(Continued from page 1)

lution reflecting the new U.S. policy on nuclear bomb testing was passed without discussion in the closing minutes of the General Assembly.

Algeria Debated

Jovin and Baer, members of the Political and Security Committee, mustered support for a United Kingdom resolution on the effects of atomic radiation and led the opposition to an impractical Japanese resolution on monitoring nuclear explosions. Algeria, one of the most hotly debated topics at the conference, was declared to be within the domestic jurisdiction of France and therefore undebatable by the UN. Australia supports this point of view.

An amendment to the UN Charter increasing the size of the Security Council from 11 to 13 members was the most important action taken by the Ad Hoc Resolution Committee. Wilkinson helped to draft the final resolution and gave the majority report in favor before the General Assembly. A resolution censoring the Union of South Africa for their policies of apartheid was also passed. Australia opposed the action, again using the domestic jurisdiction argument.

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Five-Way Meet

Caltech Varsity, 83%; Cal Poly, 41%; Westmont, 35%; Caltech Frosh, 31%; Pasadena Nazarene, 28%.
Mile: 4:39.2; Coulter (P), Cox (W), Ruecker (CTF).
B.J.: 22' 2 1/2"; Van Kirk (CT), Richards (P), Gunckel (CT).
440: 51.3; Forbess (CT), Leonard (CT), Harrison (CP).
Shot: 43' 4"; King (CP), Franks (CP), McKinnon (CP).
100: 9.9; Kidd (P), Jones (CP), Van Kirk (CT).
120 H.H.: 16.1; Southerland (CP), Van Kirk (CT), Nichelson (W).
H.J.: 5' 10"; Barienbrock (CT); tie: Ingram (W), Jewett (CT),

Van Kirk (CT).
Jav.: 183' 10"; Hahner (W), Purnell (CT), Leibvich (CTF).
880: 2:03.8; Leonard (CT), Ahrens (CT), Gray (CP).
220: 21.8; Kidd (P), Van Kirk (CT), Forbess (CT).
2 mile: 11:10.6; Eisenman (P), Richardson (CTF), Loebbaka (CTF).
220 L.H.: 25.0; Krehbiel (CT), Van Kirk (CT), Southerland (CP).
Discus: 130' 5 1/2"; Hahner (W), Stewart (CTF), Pitzer (CT).
Mile Relay: 3:32.9; Caltech, Caltech frosh, Westmont.
Pole Vault: 12' 5"; McKinnon (CP), Weaver (CTF), Ingram (W).

Horsehidiers Beat Redlands

(Continued on page 5)

started against Oxy's McKenna, with Walsh and Price ready in relief. Next Saturday, Tech faces Redlands at Redlands, with Walsh and Price expected to start the doubleheader and Howell and Kaplan ready to relieve. Next Wednesday sees a rematch of Oxy and Tech, again at Occi-

dental's diamond.
The box scores:
Redlands 010 320 000 — 6 8 4
Caltech 000 522 02x — 11 12 1 (first game)
Caltech 110 103 030 — 9 13 1
Whittier 100 005 000 — 6 6 5 (second game)
Caltech 000 000 0 — 0 2 2
Whittier 024 003 x — 9 9 0

THE Y'S CORNER

Sunday, May 4, The Y Film series presents the French film "Dirty Hands" and the Czechoslovakian cartoon "Coat From Heaven," at 7:30 p.m. in Culbertson Hall.
Monday, May 5, The YMCA Board of Directors will meet at 5:15 p.m. in the Y Lounge.
Wednesday, May 7, Goodwin J. Knight, Governor of California and Candidate for United States Senator, will speak at the Athenaeum Lunch Forum.
Thursday, May 8, Rev. Alden Mosshammer, Minister of First Congregational Church of Pasadena and a member of the Y Board, will discuss "Race and Pasadena" at the Graduate Sack Lunch Club in the Y Lounge at noon.
Friday, May 9, Dr. George Laties, Senior Research Fellow in Biology, will speak at the Undergraduate Lunch Club at noon in the Training Table Dining Room. His topic will be announced later.

Victor Reuther

Victor Reuther will visit the campus as the third and last YMCA Leader of America for this year. Mr. Reuther, brother of Walter Reuther and a labor leader in his own right, will spend a busy three days meeting with classes, giving formal lectures, and discussing labor problems with small student discussion groups. The dates of his visit are May 13, 14, and 15.

Undergraduate Lunch Clubs

The Freshman and Undergraduate Lunch Clubs have united for the rest of the term. The first combined meeting was held last Monday. For the convenience of many members, the date of meeting has been moved to Friday noons beginning with the meeting on May 9. Everyone interested in the discussions is invited to attend and program suggestions are welcomed.

Y Film Series

"Dirty Hands" is one of the most celebrated plays written by the famed French existentialist writer Jean Paul Sartre. The story describes the war-time experiences of a young idealist who becomes disillusioned with the "party." The cost of the movie is forty-five cents or a season ticket.

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