

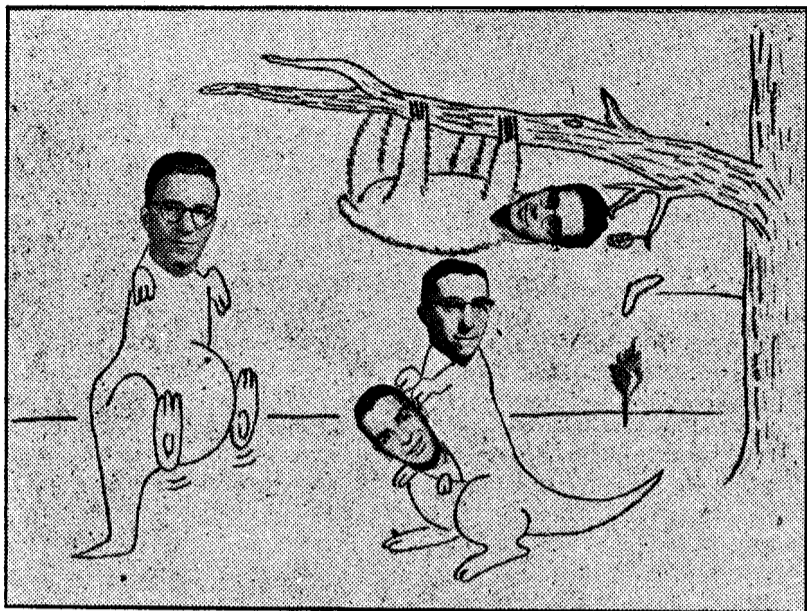
The California Tech

California Institute of Technology

Volume LIX

Pasadena, California, Thursday, April 24, 1958

Number 24



Allesina

"Australians" Wilkinson, Jovin, Baer, and Walsh bone up for the 1958 Model United Nations.

Tech's "Australians" Arrive At Model UN

Caltech's "Australians" arrived in Seattle yesterday for the Eighth Session Model United Nations.

The four-day session is featuring debate on such topics as the Algerian question, disarmament, apartheid, and atomic radiation.

BOD Reports Debate Status

Tech's debate and speech program is being scrutinized by the Board of Directors this week. At their meeting Monday night the BOD spent considerable time discussing the forensics situation before approving the proposed \$600 debate budget.

The BOD interest has been caused by the apparent decline in Tech debate activity since its national-championship year three years ago.

After discussing the situation with Dr. Hallet Smith, Chairman of the Humanities Division, and Dr. Dwight Thomas, debate coach, a BOD committee offered several suggestions that were accepted along with the budget.

Revival of interhouse debate and the Lincoln Debate Trophy, Caltech sponsorship of an intercollegiate debate tournament and increased publicity for the Tech Pi Kappa Delta chapter were among the committee suggestions.

New topics, occasioned by recent developments in the cold war, will probably be added to the agenda.

One of the big goals of the Australian delegation will be to find a basis upon which disarmament talks can be resumed. It will also endeavor to restrain the General Assembly from interfering in Either Algeria's guerrilla war or South Africa's race problems. The Australians consider both of these issues to be domestic questions and therefore beyond the jurisdiction of the United Nations.

Bob Walsh, chairman of the Australian delegation, expressed confidence that the session would be made to see the "inherent moral correctness" of the Australian views. Wally Baer, Tom Jovin, Cleve Moler and Jim Wilkinson comprise the remainder of the delegation. Walsh noted that the delegation had gained excellent experience Monday night when it successfully debated the issue of whether the ASCIT should provide registration fees.

Y Protests Time's Blast At Pauling

A letter, sponsored by the YMCA and protesting *Time Magazine's* treatment of the National Committee for a Sane Nuclear Policy, particularly *Time's* reference to committee member "Dr. Linus Carl Pauling, longtime supporter of Communist-line fronts," has been circulated on campus and will be mailed to *Time* tonight.

"Pauling, Communist"

The article, which appeared in *Time*, April 21, in enumerating the members of the National Committee for a Sane Nuclear Policy, referred to "the committee's scientific anchor man, Caltech's busy chemist and busy politician, Dr. Linus Carl Pauling, longtime supporter of Communist-line fronts," had pointed out that "Professor Pauling," reported the House Committee on Un-American Activities in 1951, "has not deviated a hairsbreadth

from this pattern of loyalty to the Communist cause since 1946."

The article concluded with "But the folks who listened to the horror stories without listening to evidence on fallout, to say nothing of survival, the religious minded who doubted that the ends of liberty and peace justified the means of nuclear deterrence, were all stepping up the pressure as the crucial Eniwetok tests drew nigh. It seemed to matter not at all that this was precisely what the sworn enemies of religion, liberty and peace itself were telling them to do."

The letter of protest, addressed to the Editor of *Time Magazine* and sponsored by the Y, reads as follows:

"Dear Sir:

"We feel that your article of

Caltech Glee Club Sponsors Saturday's Choral Festival

College Choirs Will Dine In Houses, Perform At City College Auditorium

Twelve southern California glee clubs will perform Saturday night as Caltech hosts the annual Intercollegiate Choral Festival.

A record 580 vocalists will participate in the spectacular song-fest, and the planners hope to fill the Pasadena City College physical requirements for the festival.

Yell Leader Spot Open

"A good opportunity for a guy with lots of spirt and enthusiasm for athletics," is available according to ASCIT Activities Manager, Bob Thompson. Applications for the position, Head Yell Leader, will be received by the BOD until May 5. Thompson announced Monday night.

A committee, composed of Thompson, Tony Leonard and John Bard will screen the applicants and make recommendations to the Board.

Appointments Made

Other business concluded by the BOD Monday night included the appointment of three more ASCIT officers.

Stan Sadera and Dick Jones, two frosh class officers, will coedit the 58-59 Little T.

Doug Shakel was selected to head next year's election committee, while Steve Stephens will harass the California Tech staff as ASCIT Photo chief.

Appointments of the 16 new student camp counselors were postponed until next week. Interviews of the 50 applicants are still being carried on by BOD members.

RA Group Increases

John Stevens, physics graduate student, has added his name to the list of applicants for Resident Associates in Dabney, Fleming, and Ricketts House.

Previous applicants are John Andelin, physics; Dennis Barrett, biology; Ronald Blum, math; Henry Dearman, chemistry; Rama Murthey, geochemistry; and Robert Ryan, math.

According to Master of Student Houses, Dr. George Mayhew, we are "shooting for a decision by the middle or end of May" on who the three new RA's are to be.

Additional applications for Resident Associate are still being accepted.

"Tech" To Poll Bomb Views

A survey of campus sentiment on nuclear weapons testing will be conducted next week by the *California Tech*. Questionnaires will be distributed on Monday to all faculty, graduates, and undergraduates on campus.

The results of this survey will be published in the *Tech* as an indication of campus sentiment, and not as an official Institute position.

H-TALKS TONIGHT

Nuclear weapons tests will be discussed by Drs. Beadle, Plesset, Lewis, Press, and Brown in a panel discussion tonight at 7:30 in Culbertson Hall. This discussion, sponsored by the YMCA, is off the record and open only to the Caltech community.

After brief introductory remarks by each member of the panel, moderated by Dr. George Beadle, Chairman of the Biology Department, specific aspects of the problems connected with nuclear weapons testing will be discussed.

Dr. Milton Plesset, Professor of Applied Mechanics, will speak on "The Effect of Fallout on Radiation Levels"; Dr. Edward Lewis, Professor of Biology, will discuss "The Biological Effects of Radiation"; Dr. Frank Press, Professor of Geophysics and Director of the Seismological Lab, will talk on "The Feasibility of Monitoring Tests"; and Dr. Harrison Brown, Professor of Geochemistry, will speak on "1980 Without Arms Control."

The talks will be followed by a question period.

Summer Rush Worries IHC

The prevention of summertime rushing of freshmen by student house members was the problem laid before the Interhouse Committee by the YMCA last Wednesday, April 16.

The Y's present program of contacting freshmen during the summer reaches about 60 percent of the frosh. The problem is to increase contacts but keep the freshmen from forming prejudices about which house to enter in the fall.

Several proposals were made, and the discussion was tabled at least until this week.

April 21 concerning the National Committee for a Sane Nuclear Policy was clearly an unfair treatment of a minority opinion. Opposition to the testing of nuclear weapons is not necessarily un-American, pro-communist or 'insane'. To jump to such a conclusion is to fall into a pattern that is profoundly dangerous to freedom of thought and expression.

"We particularly object to your treatment of Dr. Linus Pauling. Even though some of us do not support his current efforts to end nuclear tests, we know Dr. Pauling as a member of our faculty, and he is a rugged individualist, following no one's party line, and motivated by the highest humanitarian impulses."

A copy of this letter is also to be sent to the *New York Times*.

The sponsorship of this highly-regarded event represents another victory in a whirlwind campaign to bring local and national recognition to the Caltech Glee Club. Olaf Frodsham's singers, now in their sixth year, are already recognized as one of the top groups in the area and are attracting the notice of Eastern directors.

They received second place honors in the contest the last three years, and are considered by many to be second only to Occidental College's glee club in the state.

As the hosting club, the glee club members have been busily occupied during the past few weeks making arrangements for hospitality, publicity, accommodations, seating and all other physical requirements for the festival, in addition to rehearsing for their own part in it.

Plans call for the contestants to arrive at 1:45 for rehearsals. At 5:30 all the groups will rehearse "Now Let Every Tongue Adore Thee," by Bach, which they will all sing together in the festival.

At 6:00 the contestants will come to Caltech and eat dinner in the student houses. The concert will be held from 8:15 to 10:00, and afterwards there will be a dance for contestants only in Dabney Lounge.

This year the Tech Glee Club will continue its tradition of distinctive dress by wearing white dinner jackets, each with an orange ribbon across the chest.

The largest group will be UCLA's, with 77 men. The smallest is Long Beach State, 25.

THIS WEEK

Wed-Sat., April 23-26 — Model United Nations, U. of Wash.

Thurs. April 24 — Frosh Chem., 11 a.m., 151 Crellin; Frosh M.E., 4 p.m., 206 Engrg.

Fri., April 25 — Swimming, Whittier at Tech, 4 p.m.

Dabney-Ricketts, Barn Dance Fleming, "Roaring Twenties" Blacker, baseball game

Fri-Sat., April 25-26 — SC golf tourney at La Jolla, 9 a.m.

Sat., April 26 — Baseball, Tech at Whittier (2), 12:30 p.m., Frosh here, 2:15 p.m.

Track, Cal Poly and Westmont at Tech, 2 p.m.

Tennis, Ojai tournament INTERCOLLEGIATE CHORAL FESTIVAL, PCC auditorium, 8:15 p.m.

Ricketts, nightclub party Sat-Sun., April 26-27 — Sailing Club, Southern Series at LAYC

Mon., April 28 — Golf, Tech at Whittier, 1:30 p.m.

Wed., April 30 — Baseball, Tech at Oxy, 3:00 p.m., Frosh here, 3:30 p.m.

The California Tech

EDITOR: Mike Milder
 EDITORIAL BOARD: Bill Bauer, Cleve Moler, John Todoroff, Howard Weisberg.
 STAFF: Bruce Allesina, Ted Bate, Carl Gottschall, Gerhard Klose, Sid Leibovich, Bob Norton, Stan Sajdera, Harry Spertus, Jim Uleman.
 BUSINESS MANAGER: Dave Leeson
 Circulation: Urban Kern
 Entered as second-class matter November 22, 1947, at the Post Office in Pasadena, California, under the act of March 3, 1879.

Editorial

A Problem Of Sanity

A serious problem exists among the students at Tech that has not received enough attention: a large portion of the student community is not sane. The problem is neither new nor exclusive to Tech; it has even been vaguely discussed under the tag, "student apathy." But the problem is one of mental health, for it concerns the inability of a number of individuals to recognize and react to situations that bear profoundly on their well-being, even on their survival.

Emotional Meaning Is Lost

These situations have little to do with curriculum or everyday student life—they are world-scale and complicated. The key phrases, "total nuclear destruction," "cold war," "international tensions," and "race suicide," have lost their emotional meaning, but the concepts must not. The fact is that traditional human social organization may be inadequate to cope with the problems and pressures of a highly mechanized society, and the consequences for mankind's future are likely to be grim in the extreme.

A fully sane reaction to the contemporary situation gives precedence, above every other consideration, to matters of survival for humanity and civilization. But such matters occupy a distressingly small part of the thinking and discussion among Tech students, even in the face of the fact that these students are much better equipped than most to respond rationally to the problems and to comprehend them.

Faculty Sets an Example

The rest of the Caltech community does not suffer from this affliction. The faculty provides numerous examples of informed, active concern and leadership in public affairs. The issues are difficult, and we cannot hope that students will acquire a statesman's sophistication in world problems. But we can hope that students will begin to exhibit a sane reaction to the issues, by recognizing their importance and by developing a noticeable degree of social consciousness.

President's Column

ASCIT Surplus

Over the years ASCIT has slowly increased its non-working capital until at present we have close to \$6000 in part invested through the Institute and in part deposited in our bank account. This money is not a part of our current income nor has any of it been budgeted for current expenses.

This money has accumulated through the somewhat conservative fiscal policies of each year's Board of Directors. No Board has considered it reasonable or proper to budget yearly expenses in excess of yearly income. Instead, a balanced budget, including under expenses a contingency fund of around \$500, has been customarily established. In general only a small part of the contingency fund is needed to cover unexpected expenses. So, at the end of the year, what is left of the contingency fund and any other money that had been budgeted, but not spent is added to the nonworking capital.

At the beginning of each fiscal year the Board's policy in establishing the budget has shown considerable financial responsibility. ASCIT has not for many years faced a serious financial crisis.

Useless Fund Still Growing

However, the procedure that should be in question is that of adding all money not needed to cover current expenses to a non-working fund which has neither a specific nor a general purpose. Almost every year a small part of the Student Body dues goes to increase this fund.

There are several alternative means by which the endless increase of this purposeless fund

can be stopped. One means would be to establish a fund, into which any surplus would be placed, which has a specific and clearly stated purpose, and which would be spent for that purpose at some clearly defined time in the future. Another possibility would be to return the amount of any surplus to the Student Body in the forms of a dividend. This dividend could be determined each spring, after the fiscal year had closed. It would also be possible to establish a policy of spending any surplus on some unusual project or expense during the year after the year in which the surplus was incurred.

Unworkable Alternatives

It would be well also to mention a few plans, which have been suggested to me, that would not work. The first plan is that the dues should be lowered so that there would be no surplus. The fact that a certain percentage of the dues appears as a surplus at the end of the year has nothing to do with the size of the dues. Regardless of the size of the dues it would remain sound financial policy to set aside, each year, a contingency fund to cover unexpected expenses. If the budget has been well planned a part of the contingency fund will remain unspent at the end of the year.

It has also been suggested that any surplus should be added to the current income for the next year. It is clear that a surplus from a previous year's budget is not current income and it should not be represented as such.

Disposal of Present Surplus

There remains the final question of what should be done with the \$6000 dollars that has collected already. If a worthwhile

project can be proposed, now is an appropriate time to spend this money. The members of the Board have been asked to suggest projects of real value to the Student Body. I would add that any student should feel free to suggest any idea which he feels is worthwhile to any Board member or to the Board as a whole when it meets each Monday. This amount of money, properly spent can return very substantial value to the Student Body. Every thinking student should be concerned in this matter.

Michael Godfrey
ASCIT President

Secretary's Report

More Budget Discussion

The following items were approved:

Model U.N.	\$417.10
Forensics	600.00
Director's Banquet	50.00

The following items were tentatively approved:

BIG T	\$2545.00
Glee Club	600.00

Under attacks from the right and the left, the social budget received preliminary cuts, notably \$500 from Lost Weekend. To prevent charges of graft and corruption, the appropriation for the Directors' Banquet was cut in half, enough to cover expenses for the deserving last year's BOD.

PSPA

The BOD approved a recommendation from the ExComm: "that official endorsement be given to an attempt by the ICC to sponsor the PSPA convention next year." For the uninitiated, PSPA stands for Pacific States Presidents Association, and the proposal implies that next year Caltech will host a group of 150 college wheels.

Tom Jovin

Test your personality power

(Taboo or not taboo—that is the question)

1. Do you feel unqualified to judge a campus beauty contest? (For men only).....	YES	NO
2. Do you think going to a big party the night before is the best way to overcome pre-exam jitters?.....		
3. Do you find the company of the opposite sex annoying?.....		
4. Do you think fads and fancy stuff can give you the full tobacco flavor of a real cigarette?.....		
5. Whenever one of your professors makes a grammatical error, do you call it to his attention?.....		
6. Do you and your date sit in the back row of the balcony only because you're both farsighted?.....		
7. Do you think cowboy shows will ever be banned from television?.....		
8. Do you consider Ibid. the most quoted Latin author?.....		



B. J. Reynolds Tobacco Company, Winston-Salem, N. C.

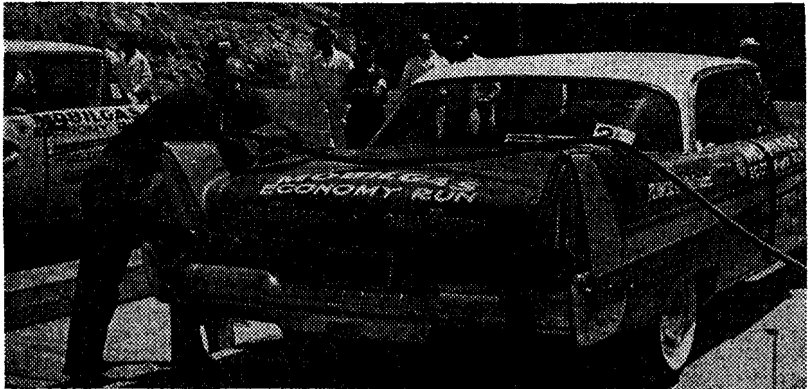


If you answered "No" to all questions, you obviously smoke Camels — a real cigarette. Only 6 or 7 "No" answers mean you better get on to Camels fast. Fewer than 6 "No's" and it really doesn't matter what you smoke. Anything's good enough!

But if you want to enjoy smoking as never before, switch to Camels. Nothing else tastes so rich, smokes so mild. Today more people smoke Camels than any other cigarette. The best tobacco gives you the best smoke. Try Camels and you'll agree!

Have a real cigarette — have a Camel

Economy Run - 1958



ABOVE: The Plymouth "Belvedere" driven by Mary Davis gets refueled in El Paso. It took second in its class with 19.9897 miles per gallon, 48,180.1 ton miles.

BELOW: Candidates for "Miss Photoflash of 1958," who appeared at the finish line in Galveston, Texas.



ABOVE: Loretta Colange stands by the Edsel "racer" which she drove to fifth place in the low-medium price field.

BELOW: At the first stop in Phoenix, Arizona, Hugo Fischer figures out his next move. Dick Jones stands in for a missing pawn as Tom Bowman and Gerhard Klose look on.



Campus Brewins

Klips Kar Kleened

At 2:20 Sunday morning Beak wheeled his 4.9 into the parking lot and there before him was one of the most unusual sights for that hour he has ever seen. Silhouetted in the car lights stood one Dave Klipping with a pail of water and a towel. Beak leaned out the window and demanded, "what in the hell are you doing?" Klips naive reply was "cleaning my car, what do you think?" After an exchange of droll phrases the truth finally came out.

It seems that Klips' blind date from Boxy had found that the weird and wonderous potions that come from Kentucky hadn't agreed with her and she found herself forced to divulge the errors of her ways. "Why not roll down the window?" queried Beak. Alas, it seems that the occurrence coincided exactly with the time they were passing a wreck on California street which was filled with minions of the law.

Lots of Time

Davie Trollmaster was able to score beautifully on The Economy Run. It seems that on a short stop Davie had a little trouble zipping up so the car went off and left him. "You guys wouldn't throw me in — SPLASH!" quoth Hal Dale as he made a big splash at the Drubnoids Russian Easter Party.

The Chief Cheated

Finally Milder had been involved in something that can go into this evil sheet. The scene opens with our hero sitting in the living room of some lady fair's house. Just as our casanova begins to warm up his pitch in order to get things going, into the room bursts none other than Mad-Man Lewyn. "Choke!" says Milder, smiling with his mouth but not with his soft brown eyes, "what are you doing here?" With a bored look on his face Mad-Man turns and says, "Oh, I'm just bringing back her clothes from the party last night."

Sticklers!

WHAT IS A JAPANESE BANK?

H. E. KROHNER, WAYNE STATE U. Yen Den

WHAT IS A SOUTH AMERICAN MARE?

KENNETH DETRO, INDIANA TECHNICAL COLL. Chile Filly

WHAT'S A MINK-UPHOLSTERED CARRIAGE?

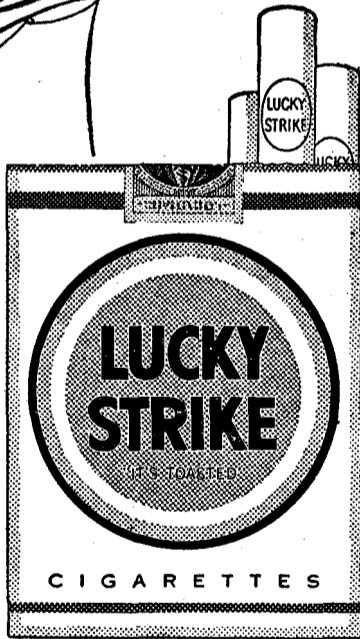
DAVID DULANSEY, U. OF PITTSBURGH Furry Surrey

WHAT'S A POORLY LIGHTED BASKETBALL COURT?

MARTIN GILBERT, U. OF ARKANSAS Dim Gym

WHAT HAPPENS WHEN FISHERMEN RUN OUT OF LUCKIES? (SEE PARAGRAPH BELOW)

IF SILENCE WERE REALLY GOLDEN, fishermen would be up to their hip boots in cash. They're so noiseless, they won't even wear loud shirts. But when they (Groan!) run out of Luckies, they almost lose control. They rant, rave and blow their stacks—all in sign language, of course! Result? The unusual phenomenon called a *Quiet Riot!* Lucky's popularity, after all, is no fluke. A Lucky is the best-tasting cigarette you can buy—and for good reason. It's made of naturally light, good-tasting tobacco, toasted to taste even better. So why flounder around? Get Luckies yourself!



Stuck for dough? START STICKLING! MAKE \$25

We'll pay \$25 for every Stickler we print—and for hundreds more that never get used! So start Stickling—they're so easy you can think of dozens in seconds! Sticklers are simple riddles with two-word rhyming answers. Both words must have the same number of syllables. (Don't do drawings.) Send 'em all with your name, address, college and class to Happy-Joe-Lucky, Box 67A, Mount Vernon, N. Y.

WHAT IS A WANDERING ESKIMO?

FRANCES HUNEKE, STANFORD Polar Stroller

WHAT DO DIPLOMATS NEED?

BOB GOLBERG, MANKATO STATE COLL. Pact Tact

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

We Highly Recommend
CAL'S CALTECH BARBERS
Friendly Personalized Service
California Near Lake

CALTECH PRESCRIPTION PHARMACY
Prompt Free Motor Delivery
CALTECH VITAMINS
Caltech Genuine Wheat Germ Cereal
CALOID COLD CAPS
NEW, EFFECTIVE REMEDY
Imported & Domestic Wines - Liquors - Champagne
Breakfast, Lunch, Dinner SERVED DAILY
Corner California & Lake

Miller Guides News Bureau, Directs Publicity

by Martin Carnoy

LAST October the Russians launched a satellite and the United States suddenly became science conscious. Since that time a great deal of public attention has been focused on Caltech, but the publicity that it has received in the past few months is nothing new to the News Bureau. Forming the link between the little world on California Street and the public, Jim Miller sits behind a desk covered with reminder notes and news magazines in a small office next to the campus book store.

Miller's chief occupation here on campus has been to let the world hear about Caltech. By promoting an "open door" policy, he has encouraged newsmen to come on campus and see for themselves. He and his secretary write their own news stories and distribute them to interested agencies. Miller quite happily admits that the publicity of JPL is handled by another office, for he has recently been snowed by the demand for stories and press conferences concerning the Institute.

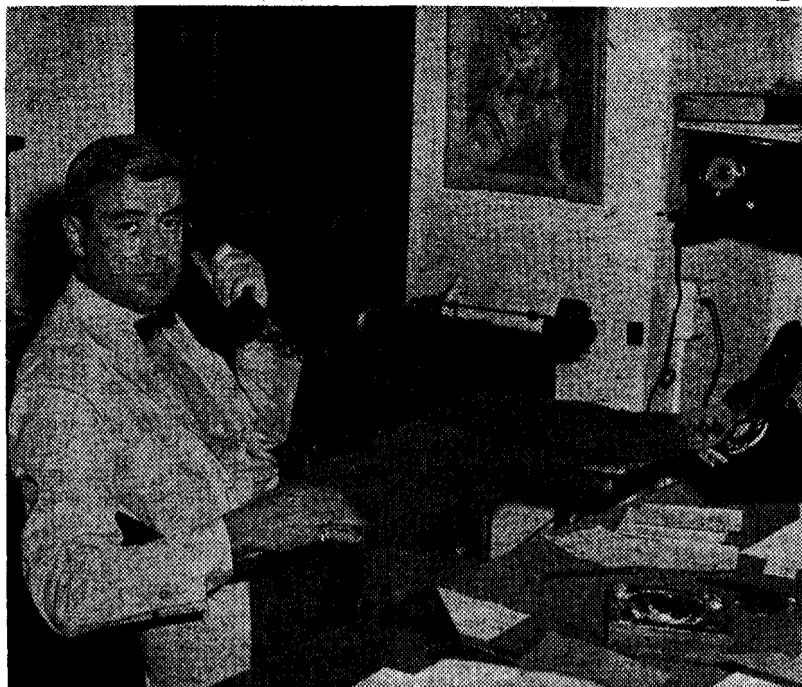
The News Bureau also handles the guides on campus and a good deal of the propaganda for the fund raising drive now in motion. The Bureau prints pamphlets concerning the drive and distributes them to all possible sources of revenue, beside han-

dling the direct newspaper and magazine publicity.

A START IN JOURNALISM: James Miller was born in South Dakota in 1914. As a boy of ten Miller was introduced to the East when his family moved to New York, but even in the journalistic surroundings of the Broadway beat he did not aspire to the trade until towards the end of his Trinity College days, when he became editor of the newspaper. Upon graduation, with his background in English and philosophy, he became a staff writer for the *Literary Digest*, which folded a short year later in those troubled days of 1937.

Next stop, *Scribner's* magazine, and by 1939 an assistant editorship, but also by 1939, another folding and another blank pay check. So, only three years off the campus, Miller was already looking for his third job; and he found it with young *Look* magazine. *Look* and Miller were good to each other, and the rising young news writer soon found himself an assistant editor of a rising magazine.

CHANGE OF OCCUPATION: But the Japanese gave Miller a new job and the opportunity to gather an endless amount of colorful material for his writing. His three years as a deck officer were so spent, when he wasn't on submarine watch. After his discharge, he began again just



Jim Miller

where he had left off, but now for *This Week* magazine. Yet, Miller really wanted to free-lance so he quit *This Week* and went on his own, writing science news articles and Navy fiction for various outlets.

In the summer of 1954 Miller, the free-lance writer and now public relations man working on private accounts, flew to Seattle to do a story for *Ladies' Home Journal*. Miller liked public relations, and he had heard about an opening at Caltech, so he

grabbed a plane to Los Angeles and applied for head of the Caltech News Bureau, Ltd.

Two months later, Jim Miller was sitting behind the big desk in Throop, and his two children were safely enclosed in the playground of the Polytechnic elementary school.

Yes, Jim Miller is a busy man, but someday he may have the time to fulfill that dream of every writer — a book. About what? He'll know that when he gets the time.

DOUBLED AND REDOUBLED

By Dave Singmaster

First, I will present part of a communication which I received concerning the hand of two weeks ago.

"Has someone pointed out that your calculations are incorrect? Roughly speaking the reason is that you do not account for the restraint that each player gets only 13 cards.

"The formula you should use is: Probability of East having k trump of n out is $(26-n \ R \ 13-k) / (n \ R \ k) / (26 \ R \ 13)$ where (a R b) means $a! / b! (a-b)!$. The probabilities are (rounded off) 4.8%: 24.9%:40.7%:24.9%:4.8% respectively (true ratio: 55:286:468:286: 55)."

The letter continues: "I realize I may run the risk of sounding silly, but there is no reason for a Caltech bridge player to go through life with first approximations."

Next I will consider the following bidding situations presented by Roger Eldridge of the Y. Examine the hand one hand at a time. North dealt. How would you bid?

North	East	South	West
S-AKJ6	74	109852	Q3
H-J7	K1096	542	AQ83
D-AQ10869		75432	KJ
C-74	Q106532		AKJ98
1D			
2S	3C		2C

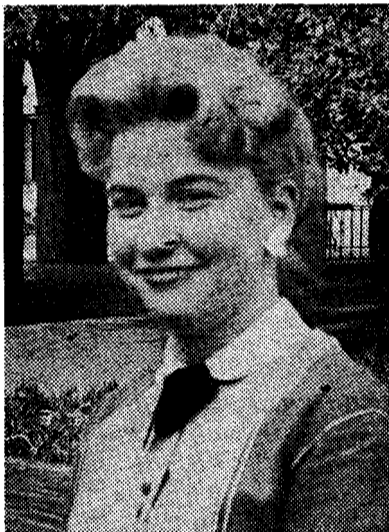
Up to this point I favor this bidding sequence as the best possible. West has too many points, no sure diamond stopper, and no long suit, so, he can neither overcall one nor jump overcall. East has ten dummy points and a six card trump suit. He could bid 4 Clubs but, as far as he knows, partner might have only 11 points.

South now evaluates his hand; he has five of each of his partner's bid suits and a void in clubs. I personally would bid 3 Diamonds although a bid of three Spade or a pass is nearly as good. At this point the question of vulnerability comes in. If either side is non-vulnerable and the other is, the non-vulnerable side will try to save the rubber by bidding higher. With both sides vulnerable each side will try to capture the bid and/or get to game or pass the bid out before game is reached. South can figure perhaps three heart losers and one other loser and would be justified in bidding to game if sacrificing; i.e. 4 Spades.

Assuming a 3 Diamond bid by South, West might jump to 4 Hearts to indicate his 20 high card points. However, this could be disastrous with two losers in both spades and diamonds. He might figure partner for at least one honor in hearts and hence no losers in that suit. Again the question of vulnerability enters. He may bid 5 Clubs, hoping for game or to shut out the opponents.

North can either double 5 Clubs with three fairly sure tricks or else bid 5 Diamonds over either bid, again either hoping for game or sacrificing. The bidding becomes a function of the personalities involved. An aggressive East bidder will change the entire situation as will an aggressive South.

In general, when one is attempting to shut the opponents out of game when they are vulnerable, one should plan to lose no more than 500 points; i.e. down doubled, non vulnerable, or down 2, doubled, vulnerable. It turns out in this hand that N-S can make 5 Diamonds or Spades and E-W can make 4 Clubs or Hearts.



Sharon McVey

Sec's at Tech

By Howard Weisberg

Nature has taken its course and there is a whole new crop of secretaries and other interesting personalities for the paper to interview, as I noticed the other day while hiding under a rock near the Greasy.

So it's high time for the California Tech to revive an old feature series, "Sec's At Tech."

And what better way to start than with the shapely, five foot one, blue-eyed, young, blonde secretary (girl) who works up on the third floor of Throop in the general accounting office.

Likes MG's, Dancing

Her name is Sharon McVey and she has been working at Tech ever since last summer when she graduated from high school in Glendale. She was born in Lincoln, Kansas.

An avid sports car enthusiast, Sharon is the owner of the metallic brown '53 MG which can be seen at various strategic spots around T.P.

Another of her interests is dancing, she said.

As for her opinion of Caltech men, "They're different," she admitted. "And the majority of them are young gentlemen. By the way, why don't the houses ever invite secretaries to exchanges? At the grad student dance a while back, six or seven of us attended."

Well . . . ?

Pit and Paddock

European Entry Planned for Scarab

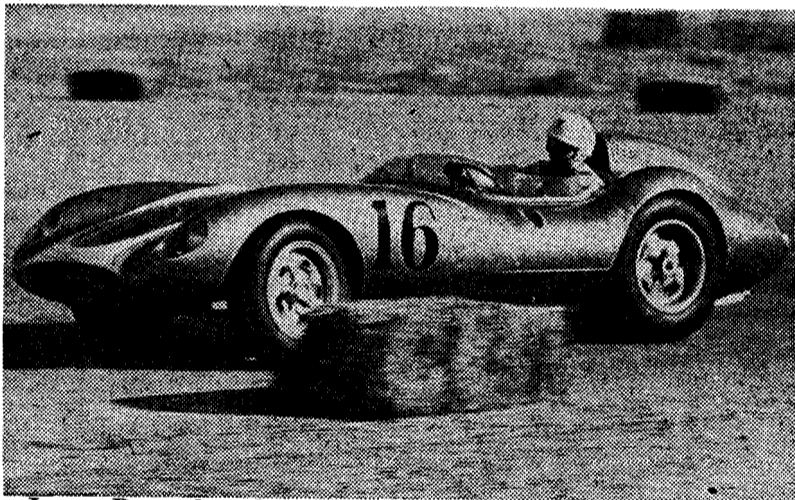
This week's column concerns Lance Reventlow's Corvette-powered special, the Scarab Mk. 1. This car has a Corvette engine enlarged to 5½ litres and modified with Hillborn fuel injection and a hotter cam. The car itself has wishbone front suspension and deDion rear suspension, connected by a very nice space frame. Transmission is the excellent Corvette four-speed box.

The car was constructed by Dick Troutman and Tom Barnes, famous for the Troutman-Barnes special, with the body built by Emil Diedt of Indianapolis car building fame. Total weight is about 1700 pounds, 240 pounds less than the 4.5 Maserati, while overall length is fourteen feet, ten inches less than the 4.5 Maserati.

Initial Disadvantages

At Palm Springs on Saturday, Lance overdid things at the start and went off the first turn. He then had to take off after all of the cars had gone past and in a mere five laps proceeded to come up to third place, only five seconds behind Carroll Shelby in the potent 4.5 Maserati.

Lance was planning to run the Scarab in Europe this year, but the imposition of a three litre limit for sports-car racing cancelled those plans and instituted a search for a three litre engine. Lance reportedly approached Meyer-Drake, makers of the Offenhauser engine, to see if they would design and build a new three litre engine, but he was told that Meyer-Drake did not have the engineers to design a new engine which would be competitive in Europe. Lance thereupon bought Meyer-Drake; he will import an engineer from Europe to design the engine for him. With luck we should see an American car winning in Europe within five years!



Lance Reventlow drives his optent special, the Scarab Mk. 1

Jazz Beat

by Lloyd Kamins



James Moody and his band Prestige 7072

This one is down, way down—and groovy! James Moody plays tenor and alto, and his mood is blue.

This set is representative of a particular brand of jazz, dear to my heart, that isn't getting its share of commercial attention. Oh, that R&R would . . . The tracks on this LP are not filled with miraculous little phrases of sheer beauty. Digging this set is not like digging Miles and catching the pearls.

This isn't way out, either. The harmonies are simple and basic. Riding along with this is not like trying to decipher Monk. Above all, this is not background music, like the bulk of West Coast Jazz. It's impossible to sit calmly around and talk (or, for that matter, to write a column) with Moody blowing. He drags you with him. You can't keep from swinging.

King Moody

As Ira Gitler's enthusiastic

liner notes point out, James Moody is quite like King Midas —everything he touches turns to blues. He wails when the tempo is up, and when it's down and funky. He wails on the ballads, too. Moody's style is quite the opposite of the delicate, Emily Post-manual-in-hand approach. He stomps and almost screams, at times, always blowing with his big fat tone.

Vehicles for blowing

The tunes and the arrangements are simply mere vehicles for blowing. My favorite is a riff called *I'm Gone*, made famous, once upon a time, by a vocal by King Pleasure. *Over the Rainbow* gets a thorough working over by Moody and his alto, and it all comes out as if it were entitled "Over the Rainbow and Right Back Down to Earth."

As I've said, there is nothing spectacular to be found in this set. The jazz is bluesy and good all the way. This is the first I've heard of the Moody one, but, by Bird, it's not the last.

THE Y'S CORNER

Monday, April 28 at 12 noon, Dr. Richard Jones will speak about "Chemistry and Mental Diseases" before the Undergraduate Lunch Club in the Training Table Dining Room. The Y Cabinet will meet at 6:00 p.m. at the Training Table.

Wednesday, April 30 Mr. Mohammad T. Mehdi, Director of the Arab Information Center in San Francisco, will discuss "U.S.-U.S.S.R. and the Middle East" with the Athenaeum Luncheon Forum at 12 noon.

Thursday, May 1 Mr. William Pilkington of JPL will describe "Satellite Tracking" before the Graduate Sack Lunch Club at 12 noon in the Y Lounge. Mr. Pilkington, inventor of the Microlock System, will illustrate his talk with recordings of Sputnik. The Philosophy of Life discussion group will meet in Roger's apartment at 7:30 p.m.

SEELY CONFERENCE

Five Caltech students and their advisors attended the annual Seely-Wakonda Conference last week-end. The conference, centered about the topic, "345,445 College Diplomas and for What?" proved most stimulating and interesting to the group. Tom Morton, National Representative of the Caltech Y, was one of the two men elected to serve on the Regional Council for the next year. Students Tom Morton and Dave Cassel and Professor of History Dr. Peter Fay participated in a panel discussion entitled, "Should Colleges Produce More Specialists?"

AFSC SPRING CONFERENCE

Registration closes April 30 for the American Friends Service Committee's Spring College Conference to be held May 2, 3, and 4. The conference will discuss the implications, social problems, and solutions to these social problems, involved in the use of conscience as a basis for making decisions. Registration blanks and further information can be obtained in the Y Office.

ASCE Rated First In West

Caltech's chapter of the American Society of Civil Engineers was given national recognition last term.

On the basis of the annual report prepared by the chapter's two recording secretaries, Steve Emmanuel and Allan Porush, the National ASCE rated the

Tech chapter in first place out of twenty-three schools in the Western United States. The chapters were judged on the basis of membership, quality of activities, participation and attendance at programs and activities, and on the make-up of the report itself.

Graham Elected TB Pi President

Bill Graham was elected to the presidency of Caltech's chapter of the Tau Beta Pi at last Friday's election.

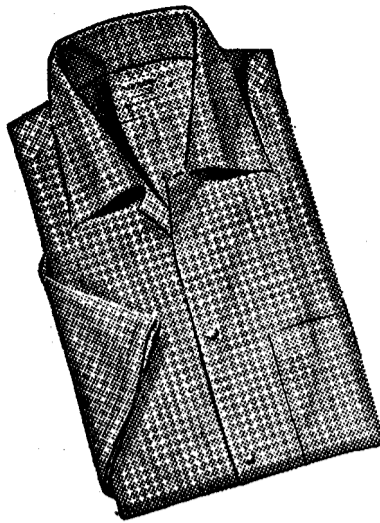
The other chapter officers elected included Mike Milder as Vice President, Dick Baugh as Recording Secretary, Vladimir Baicher as Corresponding Secretary, Bob Lange as Treasurer, and Bob Harmon as Cataloguer.

Name C.E. Prof

Appointment of Dr. Paul D. V. Manning as professor of chemical engineering at the Institute was announced this week by Professor E. C. Watson, Dean of the Faculty.

Dr. Manning, whose appointment becomes effective on July 1, was the first man in Caltech's history to earn a degree higher than the Bachelor of Science. He was awarded a Master of Science degree in 1917 after receiving his A.B. degree from Stanford University in 1916.

Dr. Manning will retire on June 30 from his position as senior technical vice president, International Minerals & Chemical Corporation, Chicago.



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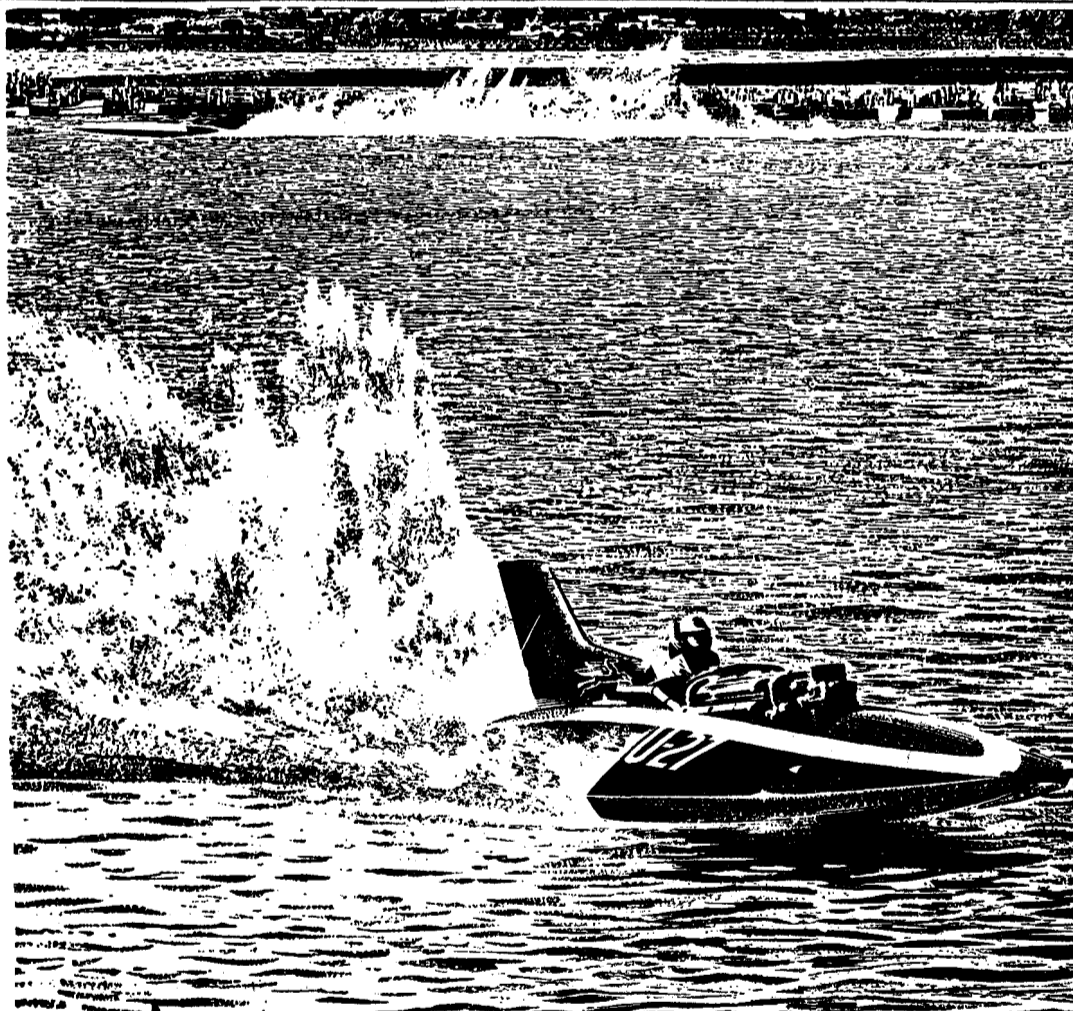


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Frosh Chatter: Swimmers Win 220, Relay From Chicks

by Gary Ihler

Pomona-Claremont exploded for six runs in the third inning, and continued on to overwhelm the frosh nine last week. Tech pitcher Buzz Merrill, who went all eight innings yielding only six walks, absorbed the 17 to 0 loss. Caltech's usually poor batting power was held scoreless by an extremely good Pomona pitcher, Wallerstein.

TRACK: Lack of men is still cramping the style of Tech's frosh track team who lost Saturday 98 to 33. Pomona men copped first place in every event. Best performances for Techmen were Weaver's seconds in the 100, low hurdles, and pole vault; Ruecker's second in the 880 and tie for second in the high jump; Lippman's second in the mile; and Richardson's second in the two mile. In the field events, Stewart and Leibovich took second and third respectively in the discus, while in the javelin, Leibovich took second and Kieffer third, both with their best efforts this year.

Throop Attack Surprise of Football Race

Ricketts and a surprisingly strong Throop share the lead at the halfway point of the Interhouse football race. They have each dropped one while winning two.

Dabney also has 2-1 mark following Tuesday's victory. Fleming has 1-1, and Blacker is out of the race with 0-3 at this point.

Dabney First Winner

Dabney handily defeated Throop in the season's first contest with Bass passing for three scores and passing to Christman who then heaved a touchdown pass to Munson. Throop's scoring was done by the Stene to Owen passing combination.

Blacker gave Ricketts little concern, for after Hechtel scored on an intercepted pass, it was Ricketts all the way. Evans pitched to Montoya for two and Huse for the other.

Fleming Weakened

An improved Throop team downed Fleming playing without Converse 12 to 0, last Wednesday. The Stene to Owen duo scored one, with the other score coming on a thirty yard run by Stene.

Ricketts stopped Dabney on Thursday 25 to 12, and Friday a Converse-led Fleming easily got by Blacker, 21 to 6.

Walker Injured

Monday Throop won a hard-fought, bruising 25 to 12 victory over Ricketts. It was the first defeat for the Rowdies, whose last quarter effort proved inadequate. Unfortunately, the game was marred by the injury of Throop's Don Walker, who suffered a broken shoulder.

Interhouse football has been made especially interesting this year due to the dark horse Throop team, making the best showing by the off-campus men in several years. Their attack is paced by a crushing ability to move the ball on the ground. The big, heavy blockers have managed to open holes against all opposition, and the ever present threat of a run has helped the receivers get clear.

SWIMMING: The frosh twinning team dropped their meet with Pomona 57 to 28, but showed surprising strength in some of the events. Gary Tibbetts, who has turned in some fast times in the 220 and 440 free style, won the 220 and took second in the 440. Lindner took second in the 220, while Pete Mayer took second in both the butterfly and breaststroke. In the free relay, supposedly Pomona's strongest event, the team of Tisch, Lindner, Tibbetts, and Erskine took first. The swimming team's strength lies mainly in the backstroke and distance. The complete lack of divers on the team, however, automatically costs us nine points every meet.

As I See It

Yanks, Braves Will Repeat

by Dick Van Kirk

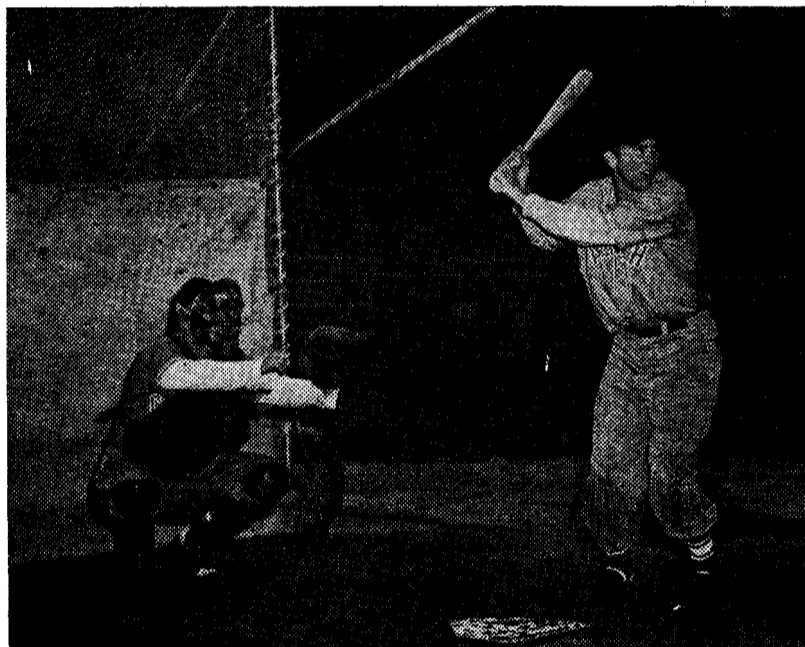
Let's leave the local sports scene for a while and take a look at athletics on the national level. It might be an asset to the well-roundedness of an individual to be able to converse about athletics at a level somewhat higher than interhouse or even the conference level. Biggest items in the sports world these days are baseball, track, and horse racing.

SOME EARLY SURPRISES: The major league teams in baseball are not adhering as rigidly to the preseason forecasts as was expected. Two clubs which seemed destined for second division ranking, the Chicago Cubs and the San Francisco Giants, are among the early leaders in the National League, with the St. Louis Cardinals dropping their first four games of the season in spite of the magnificent batting of Stan Musial. Robin Roberts, the pitcher regarded by the experts as all washed up, started his season nicely, winning his first decision on a five-hitter for the Philadelphia Phillies, in addition to getting three hits and scoring the winning run.

In the American League the Yankees began the work of extending their monopoly on the pennant by jumping into an immediate lead in the flag race, losing only one game in the first game of the season. As I see it, in spite of the comparatively slow start of the Milwaukee Braves, they will be the ones to face the Yankees in the World Series, the outcome is likely to be different this year. It's not likely that Lew Burdette will pull another hat trick in the 1958 series, but wait and watch; it'll be the Yanks and the Braves again in '58.

DERBY TIME NEARS: A final note for those who like the more financial side of athletics. The Kentucky Derby, big race of the year for three-year-olds (horses) is coming up soon, and a nag by the name of Silky Sullivan has captured the hearts of millions of Americans with his come-from-behind finishes. If you're thinking of rushing to place a "sure" bet on the horse, stop a minute and consider Gone Fishin', a horse who stood off Silky's last stretch run by turning in a final quarter mile that was almost as fast as the Frank Meriwell of the equine world. My money's with the fisherman.

Sports



Key Tech offensive and defensive leader, Fred Newman, awaits pitch in batting practice. ASCIT photo

Tankers Edged By Pomona; Point For Conference Meet

By Dave Tucker

Caltech's powerful swim squad, after sweeping through the Conference Relays and six dual meets, finally met defeat at the hands of Pomona-Claremont. Many reasons could be given for the loss, but the rude fact is that our team did not swim far enough. The excellent times turned in at the Arizona meet were the climax of a week of hard workouts, whereas the seven days preceding the Pomona meet included only two stiff drills, leaving the Techmen in unsatisfactory shape for the meet.

The mistake of improper conditioning should not recur this season, as the team has adopted weekend practices and abandoned letups before the remaining duals. The rest of the contests this season should be duck soup

for the tankers, as no team other than Pomona can match the Tech power.

Key Races Close

Clarke Rees, swimming harder than anyone has seen him go in quite a while, lost two heart-breaking races at Pomona and turned in a disappointing performance in a third, due to his resulting exhaustion. Fighting with Pomona's Booth for a win in the 220, he brushed the lane lines on the last lap, slowing him down just enough to lose in a touchdown. The same story was repeated in the 100 freestyle when the team star missed the all important last turn by a hair and was touched out again.

Keith Brown, swimming the 200 back instead of absent Bob Smoak, was ineffectual against stronger men and finished third.

Conference Hopes High

The Conference Meet, on which the championship rests, is now the focal point of all the efforts of team and coach, since the possibility of avenging the defeat at Pomona exists. With help from lesser team members to back up the expected wins of such durable men as Owings, Blandford, and Rees, perhaps the Webmen can wear the conference crown.

SCOREBOARD

Golf:

Riverside 31, Caltech 23
Occidental 33, Caltech 31

Interhouse Football:

Dabney 13, Blacker 0

Schedule

Thur.: Blacker vs. Throop
Fri.: Fleming vs. Dabney
Mon.: Ricketts vs. Fleming

Walsh Bats Tech To Double Win

Diamondmen Roll Past Sagehens As Howell, Kaplan Go Full Route

By Lance Wallace

A double victory over Pomona-Claremont last Saturday has given Caltech's baseball team a 2-3 record in SCC play, as well as renewed confidence arising from beating the team that has won games from both Whittier and Oxy.

A tremendous hitting streak by John Walsh plus two well-pitched complete games from Tony Howell and Marty Kaplan led to the Sagehens' downfall, 13-9 and 6-3. Walsh has picked up the amazing total of 11 hits in his last 11 official appearances at the plate, giving him an average of .684, probably the top average for regular players in the SCIAAC.

Build Early Leads

Howell started the first game, finding it easy sailing most of the way as his mates built up a 13-3 lead. A late-game fielding let-down allowed the Hens to parlay four hits into a pair of three-run rallies that brought the final score up to 13-9, but at no point was Tony in serious trouble.

The second game was a virtual repeat of the first, with most of the scoring compressed into the first few innings, but this time no last-ditch rallies by Pomona.

Hits Timely

For the first time this season, the Beavers were hitting the ball with men on bases.

The most spectacular play of the day was supplied by Walsh's big bat, as he smashed a tremendous blow far over the heads of

the right and center fielders, the ball rolling nearly to the swimming pool wall. However, the Pomona outfielders relayed the ball through four men in time to catch Walsh lumbering in to the plate.

Yesterday the Beavers tried to even up their record against Redlands here. Howell was due for the starting assignment with Walsh or John Price the likely reliever. This Saturday the team plays its first league games away, a doubleheader at Whittier. Next Wednesday marks the first meeting of the year between the Beavers and arch-rival Oxy, now the favorites for the conference crown since Pomona tripped Whittier. It's another away game, due to start at 2:15 on the Occidental diamond.

The box score:

P-C	010 200 330	— 9 8 3
Caltech	210 152 200	— 13 12 3
P-C	030 000 000	— 3 7 4
Caltech	123 000 000	— 6 9 0

Pomona Falls Tracksters By Big Margin

Pomona-Claremont's tracksters had little difficulty in defeating Caltech 91-5/6 to 39-1/6 last Saturday on the rival's field.

Tech failed to take a single first in the track events and only managed three firsts in field events.

Van Kirk Leads

Van Kirk again led the Beavers, personally accounting for 12½ points. The javelin proved Caltech's strongest event, with the spear tossers Purnell and Lewyn copping first and second places. Barienbrock again won the high jump, and seconds were scored by Forbes in the 440, Leonard in the 880, and Ahrens in the mile.

All-Conference Coming

Both the varsity and frosh teams hosted Whittier for a meet yesterday and Saturday the Caltech track will see a triple meet with Cal Poly and Westmont.

Only two other events remain on the Trackmen's schedule, the All-Conference meet which will decide this year's championship on May 2 and an invitational meet at Redlands two weeks later.



Poised for action is Bob Emmerling, who shares top batting honors with red-hot John Walsh.