

The California Tech

California Institute of Technology

Volume LIX

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Number 7



Carol ASCIT Photo



Diana ASCIT Photo

Six lovely Candidates Vie For Homecoming Titles

by Jim Wilkinskon

Techmen go to the polls today to choose this year's homecoming queen from a field of six candidates. To give them something to base their decision on, the candidates rotated through dinners and lounge visits in the student houses on Tuesday and Wednesday evenings.

The candidates were chosen by ASCIT President Dick Kirk and Publicity Manager Bill McClure, who went to dinner and-or visited the campuses at all local hunting grounds (with the exception of Oxy).

Blaisdell Hall at Pomona contributed Diana Jackman, with soft blonde hair and one of the prettiest faces we've seen. She happens to be nineteen years old, a sophomore, and has blue eyes. When quizzed about non-scholastic interests, she listed such outdoor sports as swimming, skiing, horseback riding and ice-skating. She also likes people as evinced by her psy-



Mary Anne ASCIT Photo

chology major, with a view towards teaching, Indians maybe. She taught on a Navajo reservation last summer and mentioned a hope of going to Hawaii in the future.

From right across the hall in Pomona's Mudd Dormitory came Carol McCoy, a tall (about 5' 8"), twenty-one year old senior with brown hair and gray-blue eyes. Our first impression of this state-ly girl was one of "respect", which was soon melted down



Joanne ASCIT Photo

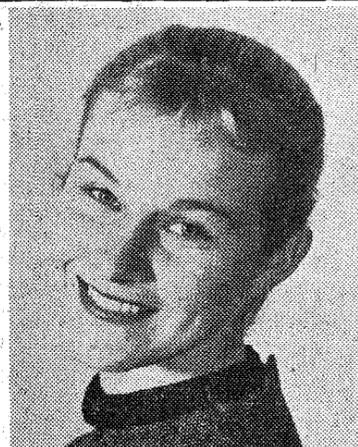
When the "boys" trolled into Browning Hall at Scripps while on their quest for beauty, they were pleasantly surprised by exceptionally well-dressed girls. Word of their coming had seeped through in advance and the girls had all turned out in their Sunday best. Out of this came two candidates, Suzanne Robinson and Mary Anne Seltzer.

Mary Anne is a cute, pert freshman with a real bubbling personality, a born conversationalist of the best type. She has brown hair, brown eyes, likes the outdoors, to read, dance, collect records, and is undecided about her major. So many things are interesting, she says,

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Suzanne ASCIT Photo



Linda ASCIT Photo

Tech Favored Over Oxy In Homecoming Tomorrow

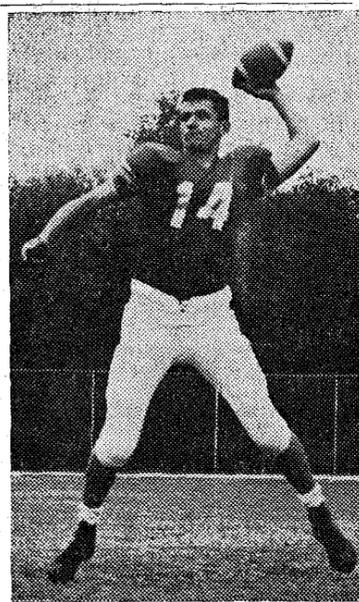
Dinner, Caravan, Dance Slated

The Oxy football game will be the occasion for Tech's annual Homecoming Friday evening. Festivities will include a country banquet in T.P., a parade caravan to the Rose Bowl, crowning of the Homecoming Queen and an after-game dance.

According to Don Owings, ASCIT Rally Commissioner, no meals will be served Friday evening in the Student Houses. Instead, arrangements have been made to serve meals in Tournament Park (behind the gym) to anyone with a Student House meal card. For those who haven't a meal card or who want to bring a guest, arrangements have been made to sell extra meal tickets.

Following the meal there will be a short pep rally and a parade to the Rose Bowl in the decorated cars of Caltech men.

Halftime ceremonies at the game will include the marching of the Caltech band in formation and their playing of selected appropriate numbers. The Homecoming Queen will be crowned by Miss Barbara Coleman, last year's Homecoming Queen. Two Princesses will be crowned by



Tech's Homecoming hopes rest heavily on the passing and running of Dick Van Kirk, who leads SCC in total offense.

Mr. Willis R. Donahue, Jr., the President of the alumni association.

After the game there will be a dance in the lounges of two of the Student Houses. The music will be provided by Dick Jaffe's orchestra and Lloyd Kamin's Quartet.

Beavers Aim for First SCC Win

Tomorrow night Tech meets traditional rival Occidental, with the Beavers slightly favored to pick up their first conference win since 1951.

Inconsistent teams

The record shows a lot of inconsistency in the play of both teams. Two weeks ago, the Beavers threw a scare into Whittier and finally dropped the game 20-12. The game they played that night would have taken the Occidental team Whittier defeated 30-6. Another comparison stands out in Tech's favor. While Redlands walked all over Barstow and held them scoreless, Barstow polished off Oxy 19-0. Last week however, Occidental came back strong and lost to Redlands, by only one touchdown, 26-20. This leaves Redlands, Barstow and Occidental triangle somewhat confused and sets up Oxy as a strong threat to the Beavers since we lost to Redlands, 39-13, earlier in the season. Oxy also has the advantage in the comparison of scores with Cal Poly.

Tech up, Oxy tired

After turning in one of their best games of the season last week, Occidental may still be a little worn while the Beavers, after an easy game with Cal Western, should be aiming for Oxy.

Tech's quarterback, Dick Van Kirk, conference leader in total offense, will be the man to watch

(Continued on page 6)

Juniors Win Mudeo

by Wally Yerborsky

Freshmen met sophomores in the annual Mudeo Tuesday, and the juniors came out victorious, as usual.

The day proved a total loss for the freshmen, as they came out on the short end of a 5-2 score and zero junior judges were thrown into the pit.

Frosh brawn piled up a 2-1 lead in preliminary contests, but failed to win the all-important Horse-and-Rider or the Tire Spree, worth two points each. The freshmen at one point held a decisive lead in the Horse-and-Rider event, but the youngsters failed to cooperate with the judges, and after careful consideration the event was awarded to the sophomores.

Hordes outsprinted

In the Tire Spree each team acquired five of the eleven tires, and forty underclassmen were struggling for the last tire when the judges called time. The sophomores were awarded the final event and the Mudeo championship on the basis of sportsmanship, and the judges outsprinted hordes of irate freshmen.

SCOREBOARD

FOOTBALL

Caltech 46, Cal Western 19

WATER POLO

Fullerton 8, Caltech 4

Caltech 14, L. A. State 5

SOCCER

UCLA 2, Caltech 0

CROSS COUNTRY

Oxy 15, Caltech 49

Oxy 17, Caltech 38 (Frosh)

Karate Club Offers Training in Sport

"Even some beginners split a 2 x 4 board with their fists," promised Joe Stupak in discussing the newest sport available at Caltech: Karate. To learn the ancient Oriental fighting technique, Joe has organized a Karate club on campus. Fifty-two Techmen expressed an interest in the first three days, about five times the anticipated membership.

Mr. Sen Oshima, a leading instructor and a student from the Japanese State Department studying foreign relations at USC, has been hired to teach weekly classes. In addition, Tech members will have available the instruction of the Los Angeles Karate association.

The "sport" originated purely as a survival measure among the natives of Okinawa after the Japanese had taken away all of their weapons. Left with no armaments except their fists, the natives proceeded to develop methods of utilizing every available muscle in the delivery of each blow. They learned that a fast twist of the wrist just before striking the opponent added greatly to the power as did equally co-ordinated actions of the torso, leg, and ankle muscles.

Devastate armies

Karate fighters have been known to devastate armies of fully armored warriors. Advanced specialists can put a side-kick, the roughest blow in the Karate fighter's arsenal according to Joe, through five one-inch boards.

Rough as the sport sounds, Stupak points out that there will be no body contact in either the instruction or meets. (One doesn't even need a partner for the workouts.) Part of the training is the development of precision judgment of the distance to your opponent. With this sense, all blows, although fiercely directed, will stop a fraction of an inch short of the target.

Stupak estimates that Karate takes three times as long to learn as Judo, but figures that the ability gained per time spent is much higher in Karate.

All applicants for the course will be carefully screened by the medical department so that no student with pertinent physical disabilities will participate.

Editorial

The BIG Game

Tomorrow night the Caltech football team enters a game that it wants to win perhaps more than any team has ever wanted to win.

DON'T MISS IT.

There are six seniors on this starting team—Gene Beisman, Gene Stanley, Don Stocking, Larry Berry, Lance Hayes and Dick Van Kirk, for whom this game is the climax of their football careers.

For these men Occidental is more than a traditional rival; Occidental is the symbol of a great personal challenge. And probably never again will the challenge be as great as it is now.

Not since 1951 has Caltech won an SCC football game. Not since 1946 have the Beavers defeated the hated Occidental. And never has Bert LaBrucherie seen victory in the Rose Bowl.

Although Tech enters tomorrow's game a slight favorite, the Beavers dare not expect the bumbling Occidental that has not seen a win in six games, but rather the mighty Occidental that handed Santa Barbara her only defeat. For this is the game that the Tiger will not consent to lose, even should she lose all others.

But this year Tech is strong, spirit is high, and for the Beavers this is the only game that matters. Tomorrow night the team competes for a package of that kind of glory that a college experiences only once in a lifetime.

Editorial

The Renaissance Of Throop Club

In past years Throop Club has been a weak sister among the student houses. Without the constant contact between members that is found in the houses, the off-campus club has found it difficult to maintain high participation in group activities.

Many outstanding men have been frustrated by the problems of leadership in Throop Club. Social events have been poorly attended, athletic teams have been weak or nonexistent, and worst of all, there has been little feeling of "belonging" to the group.

But in the last few years there has been a marked change in Throop. It is evidenced this year by stronger athletic teams, excellent Interhouse Dance decorations, and a greater participation by off-campus men in all Caltech activities. Most significant of all has been the advent of freshman initiation, which has had a significant effect on club unity.

In a few years two new houses will be ready for occupancy. If at that time a strong Throop Club spirit is available for conversion into a strong Throop House spirit, the student body will be saved a difficult period of "helping along" the new houses.

There is something worthwhile to all of Caltech in what has been accomplished by a few unheralded Throop Club leaders. It is now up to the present members of the club, in particular the underclassmen, to maintain and extend these achievements.

The News

FOREIGN

France finally acquired a cabinet under new Premier Felix Gaillard after 37 days without an active government. Socialists, Independents and others agreed to a truce of interests to let France regain her political and economic balance. The Socialists voted to postpone expensive social welfare projects. Gaillard's views on Algerian and constitutional reforms are about the same as those which brought the fall of the previous government. His cabinet, which includes representatives from seven parties, has already asked for rigid controls on prices and spending, new taxes, and more exports.

Mid-East Politics

Jordan's King Hussein has been violently attacked by Nasser's press and radio. There have been several demonstrations against Hussein, who has been accused of seeking peace with Israel. Despite his countercharge that Egypt is trying to cover failures at home, he is reported to be losing popularity.

Disarmament

Russian U.N. delegates have been fighting a losing battle against Western demands for a five-nation disarmament conference while Krushchev called for a leaders-of-the-world meeting to ease tensions. This proposal was viewed with disinterest by the State Department, and Secretary of State Dulles maintained existing agreements were satisfactory.

NATO

NATO's smaller members have reported a dislike for the present stress on nuclear strategy at the expense of ground troops. Britain has cut her army and France has most of her troops in Algeria.

Portugal

Antonio Salazar, Premier and dictator of Portugal, received a unanimous backing in the National Assembly elections. His National Union movement has successfully backed him for thirty-one years. Although Salazar keeps the police and other controls relatively hidden and allows some dissent, he squelches any rebellious action and had suppressed almost all of the opposition to his election.

DOMESTIC

Dr. James R. Killian, president of M.I.T., was named by President Eisenhower as a special assistant to coordinate science and technology for defense. In the same address Eisenhower reported changes in the Defense Department to give missiles top priority by eliminating service rivalries. Secretary of Defense McElroy then asked the Army to supplement the Navy's Vanguard satellite program with the Jupiter-C IRBM. Previously, only the Navy had been working on satellites and IGY. Despite the pressure for missile development and increased basic research, the Pentagon still intends to stay within the defense budget of 38 billion dollars.

Foreign Policy

Eisenhower and Dulles will now seek bipartisan support before any major foreign policy decisions. The United States is to give five million dollars to keep the U.N. Emergency Force in Egypt. And finally, Dulles announced that the IRBM will go to U.S. overseas bases as well as to France and England.

THACHER

The Outside World

Russian Success: A Case Study

Syria is important not because of what it contains, but rather because of where it is. No oil has been discovered within its borders, but no Western company has been willing to risk the capital necessary for geophysical explorations as long as her domestic affairs remain in their present chaotic condition. Because of its strategic geographic position, however, four oil pipelines pass through the country on their way to the Mediterranean.

America is only beginning to realize the significance of this strategic position, now that Russian tanks rumble through Syrian streets under pro-Soviet commanders. Syria is the first Russian satellite isolated from other Communist lands, and unfortunately it may not be the last. The conditions which led to Syria's new role are similar to those in many other "underdeveloped" countries. Perhaps a consideration of how the Russian coup took place in Syria will help us to understand what may happen in these other countries, if not suggest ways that we can prevent it happening there.

Syrian hodge podge

Syria is made up of a hodge-podge of religions and peoples, who before 1946 seemed united only by their hatred of the French. In the last 11 years of independence, however, Syria has had a half-dozen military coups, many Cabinets and four constitutions. Only a series of military dictatorships beginning in 1949 has been able to give Syria a semblance of stable government in the face of regional rivalries and political intrigue.

Although the Syrian army never won a battle in the Arab-Israeli war, it was strong enough to overturn the government in favor of military dictatorship. The army, however, was hard to control. It managed to calm the country by blaming Syria's troubles on Israel and the Western Allies, but the army could not control the Communists, who established a small, although well organized, clique within the army of ambitious officers who sought arms, regardless of their source. When the Western Allies, anxious to preserve the uneasy armistice with Israel, refused to supply arms, these officers turned to Soviet agents who were only too glad to oblige.

January coup

The Cabinet started a noticeable drift toward neutralism and beyond after a military coup in January, 1954. The development of Egypt's Nasserism into an Arab nationalist rallying cry in 1954-5 pushed Syria further into the Soviet camp, as did Nasser's Soviet arms deal, concluded

in September, 1955. Syria concluded her own agreement with Russia in the spring of 1956.

Although conservative elements still ruled Syria, the Soviet Union gradually convinced them that it would be militarily, economically and politically advantageous to have further dealings with Russia. Lt. Col. Abdul Hamid Serraj, chief of Army intelligence, was one of those who were able to exploit this view; as he succeeded, his influence grew. The conservatives attempted to get rid of the Colonel and his friends in the fall of 1956 and again last spring. However, the first attempt collapsed upon the outbreak of the Suez invasion; the Colonel was able to block the second try himself.

"Plotting to overthrow"

Colonel Serraj and his supporters are believed to have feared that they might be overthrown by a new coup. The Soviet Union may also have decided that the situation was too unstable. In any case, on Aug. 13, 1957, Syria charged that the United States Embassy was plotting the overthrow of the Government. Two days later, amidst much anti-American and anti-Western agitation, a pro-Soviet Col. Afif Bizry replaced a conservative as Chief of Staff. Thereafter, Damascus radio redoubled denunciations of the West and praises of the Soviet Union and the latter assured Syria of massive military and economic aid.

Six Soviet technical missions are now surveying Syria. It is too late for Western missions now; August 15 was also too late for a Western show of force. Yet this was exactly the Western reply, another error which may also be instructive in showing what we should not do in the future. For immediately after the coup, the United States began an airlift of jeep-mounted anti-tank weapons to Jordan and speeded up arms shipments to Lebanon, Iraq, and Saudi Arabia through more normal channels. At the same time, the Turkish Army made some unusual demonstrations during its regular autumn maneuvers in Southern Turkey and, at their conclusion, retained a large portion of their forces on the Syrian border.

Commiseration

The result was that pro-Western King Saud and Premier Ali Jawdat of Iraq, the Arab anchor of the Baghdad Pact, met in Damascus to commiserate with President Kuwatly of Syria and to assure the Syrian Government of their support in case of aggression. The Soviet Union, meanwhile picked up the cry that Turkey was menacing Syria, drowning out the Syrians' own charges.

Thus once again the United (Continued on page 5)

California Tech

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Opinion

The Bullpen

by Ford Holtzman

Every now and again it behooves one to stop and consider why we do some of the weird things that we do. And so, acting in accordance with this profound and subtle truth, I sat down and tried to figure out, or at least rationalize why I write these Bullpens. After a while I leaped to my typewriter with an expression of fiendish and ecstatic joy on my face as I contemplated the heresy that I had concocted and was about to impose on the innocent and tender-minded Techman.

And if it is a real and legitimate heresy, it ought to be written to the Techmen. We like to think of ourselves as open-minded and unbound by the petty mores of society, but we are not. Oh yes, many of us do indeed have a certain religious or political cynicism which has been kicked about for several centuries now. But this ill-defined cynicism is nothing more than the remnants of what were once legitimate doubts and heresies which have become vulgarized, vaguely felt and poorly understood.

When somebody reads an essay, he either likes it because it fits his present ideas, or he dislikes it because it does not do so, that is, if he is interested enough to comprehend even the words. Rarely is anybody's mind changed by an essay, and even more seldom when it concerns funda-



mental matters, unless the subject matter has been abstracted past any applicability, and then the essay becomes an opportunity for the reader and the author to get together and reinforce each other's cynicism or complacency.

Several Bullpens of past weeks illustrate this point nicely. When I write about the ASCIT Board of Directors, which practically nobody cares about except the directors themselves, I dare say most people think a pious thought about the twitchiness of politicians or newspaper columnists, and let it go at that, at any rate no non-Board member has ever talked to me about it. But when I talked about going to football games, which is something everybody does or is coerced by social pressure to do, and when I tried to bring down to earth the pretty much accepted thought that "we in our society place too much emphasis on athletics" by daring to suggest that "we" really does mean "we," "us," "ourselves," and not "they," and by suggesting that the way to cure this over-emphasis of athletics is to deemphasize athletics by paring it down to its more fundamental purposes and functions, then a hue and cry is raised from all quarters, and I am accused of being "anti-athletic." By the same logic I must be anti-salt because I don't cake my food with the stuff. Indeed, all I said was that athletics is something

(Continued on page 5)

Opinion

Human Review

by Bob Blandford

"I saw the best minds of my generation destroyed by madness starving hysterical naked, dragging themselves through the negro streets at dawn looking for an angry fix,—"

"Crazy to be alive in such a strange world with the band playing schmaltz in the classic bandshell—"

"The avant garde has not only ceased to exist, it's jumping all over the place—something's happening man."

"San Francisco is getting too much like L. A. It's where neon goes when it dies."

"San Francisco is the only damn place in the world to live."

This is the noise of the West Coast, of San Francisco and L. A. Something's going on here in California and its biggest symbol is the San Francisco "Renaissance." The first quote, from the poem *Howl* by Ginsberg of the San Francisco group, is the symbol within the symbol.

The "beat generation"

Essentially, with the decline of Greenwich Village into part respectability and part depravity, all the cats have moved West. San Francisco is a town fired with energy and vitality. You can feel it on the Berkeley campus, at the City Lights book store, at the Co-existence Bagel shop, in the writings of Ferlinghetti and Rexroth, and in the

frantic interest of the mass magazines in what the "hipsters" of the "beat generation" are doing.

What is going on? Is anything substantially good going to come out? Are there men of the calibre of London's 1917 group which produced Eliot, Pound, and Halme?

Well, I'm not certain about anything except the honesty and quality of Ferlinghetti's poetry. He reminds one of Whitman. Most of his work is clear and vigorous. *Life* magazine wrote a lot about him in its article on the "renaissance," but it appears that *Life* does not have the last word in its implied characterizations of the entire West Coast renaissance.

In an article in the October *Frontier* magazine, we read, "To identify the West coast renaissance with a minority of jazz-happy poets is to distort the image beyond recognition and this is being done,—by the mass publications."

They seek publicity

But it is clear that the poets themselves are seeking national publicity and one is tempted to ask why they are going against the tradition of a poetic elite. Why do they cater to a mass culture which is their avowed enemy? Rexroth attempted to answer the question in an article in *Nation*, but he has not really succeeded. This question demands a separate article because there are many answers given by both the writers and their critics.

In the meantime, any interested local cats might try looking up Shelley Manne or Jimmy Giffre here in L. A. who are working with Rexroth's spectacular idea of reading poetry to jazz, which got its start and is

(Continued on page 5)

Sticklers!

WHAT'S THE RESULT OF A GLEE CLUB REHEARSAL WITHOUT A LUCKY BREAK?
(SEE PARAGRAPH AT RIGHT)



MUSIC MAJORS! Know how to change a glee club from a loud crowd to a lyrical miracle? Simple: just promise 'em a Lucky break! A Lucky's a light smoke—the right smoke—for anyone. It's all cigarette—all fine tobacco! And that naturally light, wonderfully good-tasting tobacco is toasted to taste even better. Hold your rehearsal without a Lucky break, and you'll get nothing but *Choir Ire!* Chorus: Light up a light smoke . . . a Lucky Strike!



WHAT IS D. D. T.?
Bug Drug
JOHN BREVELLE, OKLAHOMA A. & M.

WHAT DOES A GEOLOGIST COLLECT?
Strata Data
MEREDITH SCHELLPFEFFER, U. OF WISCONSIN

WHAT IS A BURGLAR ALARM?
Crime Chime
RAYMOND COMEAU, JR., HOLY CROSS

WHAT IS VERY SMALL TYPE?
Squint Print
KARL MANTYLA, U. OF DETROIT

WHAT IS BOVINE SMALL TALK?
Cattle Prattle
DWIGHT SCOTT HARVARD

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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, N. Y.

WHAT IS A SLIM IRISHMAN?
Svelte Celt
ROBERT MCCOY, PENN. STATE

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

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Bring this ad with you for repair discount — save 10%

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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

Bill Sopher

The customer is always right – and frequently pampered

“DRIVE INTO ANY Union Oil station in the West and you’ll get a sample of what we call Minute Man Service.

“In 4½ minutes your oil, water, battery and tires are checked, your windshield and rear window cleaned, your gasoline tank filled, and your receipt handed you.



“But that’s routine. It’s the Minute Man’s service beyond the call of duty that we keep getting fan mail about.

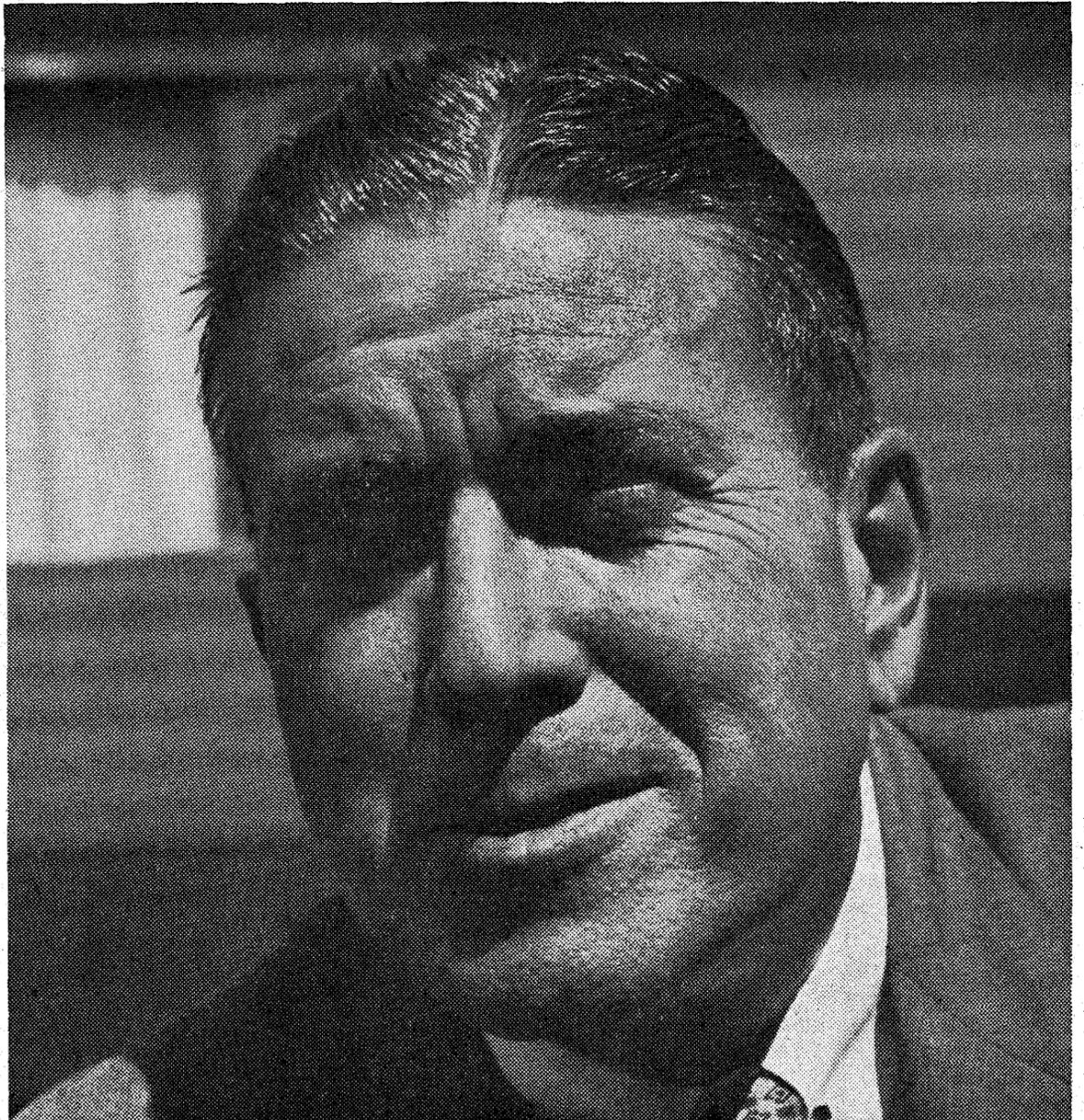
“For instance, the dealer in the small town who located a tenant for his customer’s vacant house.

“Or the dealer in the suburb who baby-sat so his customer could go to an important dinner meeting.

“Or the dealer who fixed his customer’s washing machine when she couldn’t get help on a Sunday.

“Or the dealer who shopped for his customer’s groceries and delivered them to her house.

“Exceptions to the rule? Not at all. Our files



“YOU’RE IN BUSINESS NOT FOR YOURSELF, BUT FOR YOUR CUSTOMERS.”

are full of letters recounting incidents like these.

“I take special pride in them because I’m one of the men at Union Oil whose job it is to train

these dealers. We help them in every way we can to get the Union Oil idea: The only way to stay in business for yourself is to be in business for your customers.”

* * * *

No small part of our reputation for having America’s finest service station system is the quality of the men who operate them.

They are all individual business men. Like us, they compete for a living. That’s why it’s very likely that their service will continue to be as good as their gasoline.

YOUR COMMENTS ARE INVITED: Write: The Chairman of the Board, Union Oil Company, Union Oil Building, 617 West 7th Street, Los Angeles 17, California.

THIS CLASSROOM ON WHEELS KEEPS MINUTE MEN UP TO THE MINUTE



Union Oil Company OF CALIFORNIA

MANUFACTURERS OF ROYAL TRITON, THE AMAZING PURPLE MOTOR OIL

New Feature Column

Pit and Paddock

This column is designed to indoctrinate its readers into the world of sports cars and sports car driving. Each week we will do a write-up on a particular car. This week's choice is the descendant of the car which introduced sports cars to America, the MG-TC. Its progeny (MG-A's) now fill the streets and roadways of the country.

This car embodies all that is good about sports cars. First of all it has a small wheelbase, 94", and a small engine, 1500cc, or 90.8 cubic inches. This engine quickly revs up to 6000 rpm when needed. It corners fast and flat, and has quick steering. You can identify it as a sports car by its sound. There is something very beautiful about the sound of a small engine rapping out. If this sound doesn't fill you with esthetic longings, then you are not an aficionado.

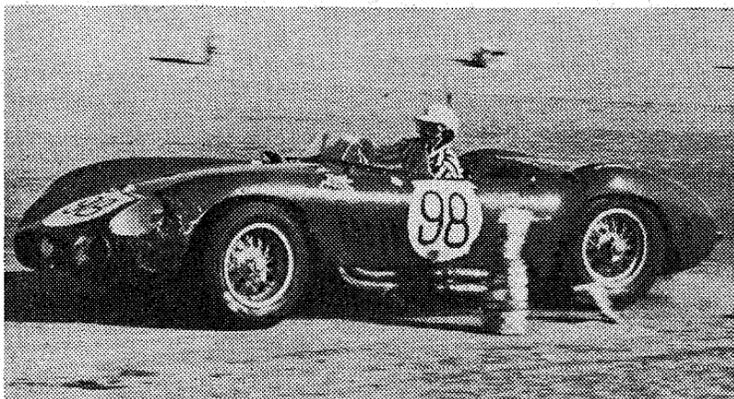
To return to the MG-A, it has a top speed in the range of 95 to 100 mph. and goes from 0 to 60 mph in 14.5 sec. Its dash is filled with all the essentials, including a tachometer which is arranged to be read at sight.

Like any sports car the MG-A is likely to be a bit cumbersome on dates. It has bucket seats, and the gear shift lever protrudes quite awkwardly.

Race Results

A National event, the Palm Springs National Road Races, were held on November 3. Carroll Shelby won the main event in his 4.5 Maserati. He was pressed by Max Balchowsky in a Buick-powered special. In the under 1500cc event Jack McAfee coasted to an easy victory driving a Porsche RS Spyder.

Winner of the new Pebble Beach Races, held at Fort Ord last weekend, was Pete Lovely in a 2 liter Testa Rosa Ferrari. John von Neuman, a local driver in a 2.5 liter Testa Rosa, came in second. Von Neuman was leading until he lost third gear late in the race. First in the under 1500cc event was Sammy Weis, followed by Jack McAfee, both in Porsche RS Spyderys.



Racing at Riverside this weekend will be Carroll Shelby, shown here in a 3 liter Maserati.

For those of you who feel ready to be introduced to sports car racing, there will probably never be a better chance than the Riverside races which will be held this weekend. There you will see about the best collection of drivers and equipment the U.S. can produce. Leading the field are Carroll Shelby, present national champion, and Masten Gregory, both driving big, hairy 4.5 Maseratis. Walt Hanson is here from the East coast in a Lot 3.8 liter "D" type Jaguar. Still only a possibility is Phil Hill, who may there with a Ferrari. All the boys are hot pilots, and they will be racing on one of the fastest and most difficult courses in the country. It should be a tremendous race, and we want to see all of you out there. The race will be held about one-half mile east of the intersection of highways 60 and 395 at Riverside, California.

CRISSMAN, EGLINTON and NORTON

Campus Brewins

Pailthorp Polluted

Young Robbie Pailthorp had great designs on his women last Saturday night. The method in his madness was to fill her up with iced tea. Alas, the whole thing backfired, for friend B. Alessina (official pourer) instilled the spirits in Robbie. There lay Robbie on the floor dead to the rest of the party with one sober friend (female) patting him on the head.

Krabull Goes Fishing

The Rowdies went to great expense to import one mermaid to grace their underwater scene. Dateless Ugly Ed Krehbiel felt bad about his state of affairs and thought the troops wouldn't miss one small fish. As a result the Ricketts Inter-house was missing selfsame sea creature. Ed's alley mates complain the place smells like fish.

Carnoye Challenged

The Pawdy Doll of Drabney has been thwarted. Some fine young female at Scripps has been hinting in a not too subtle way to hit the road. Beak-checked on this personally and finds that God's gift to women is taking it with a grain of salt. Quoth he, "That girl doesn't know what a real deal she is missing."

"Gone With the Wind"

Characters: She, her date, and extra male with MG A.

Act 1, Scene 1

Her date: Gee, your hair is messed, was the MG windy?

She: No.

Extra Male: Heh, heh, heh.

Exunt all.

Interhouse Wipeouts

Don Owens offered his date a glass of bubbling water and was refused with "I hope you know I'm a nice girl." Yep she was a nice girl and not only refused the water but all else.

Phlem Dick Dietz had a date with what he described as a soccer ball. He adds that not once during the evening was he called for "hands." (Ask a soccer player what it means.)

HUMAN REVIEW

(Continued from page 3)

still carried on in San Francisco's "Hungry Eye." By the way, this club is named after one of Ferlinghetti's better poems. And of course, also in San Francisco is the Co-Existence Bagel Shop (which we mentioned before) at the corner of Grant and Green—only a dime for a cup of coffee.

EPICURE

Records and Music

Columbia has just released the Bach D minor and Beethoven B flat major piano concertos in a performance by Glen Gould with Leonard Bernstein and the Columbia orchestra. This is easily Mr. Gould's finest effort to date. The Bach is played quite competently, without a hint of the pedantic style a la Landowska, and Mr. Bernstein's accompaniment is one of the most perfectly conceived this writer has ever heard. The tempos and phrasing of the orchestra are nothing short of marvelous.

Unfortunately, Mr. Gould and Mr. Bernstein do not quite agree on style. The pianist is too even and flat dynamically, compared to the inspired performance of the orchestra. In the Beethoven, Mr. Gould's playing is almost impeccable. Except for a tendency to blurr here and there, noticeably in the cadenza of the first movement, the performance is very well done. Bernstein's accompaniment, however, falls short of the mark. He carries over his forceful Bach and applies it to the Beethoven with an annoying lack of delicacy. All and all, Mr. Gould does very well, and we hope to hear more of him in the future.

Shelley Mann

One brief mention for the modern jazz enthusiasts of Shelley Mann's very, very good improvisations on "My Fair Lady." With Andre Previn on the piano and doing a tremendous job. You've probably heard of it if you're an MJ fan, but those who haven't are really missing a good sound.

Worthwhile

It is a pleasure to bring the readers' attention to some particular record of modern music, not necessarily new, which is well worth having. The first of these is the Gyorgy Sandor recording of Bela Bartok's Mikrococosmos, "little world," which, in six books gives a complete scan of piano technique. Mr. Sandor, a former Bartok pupil, is known as the foremost interpreter of this music, and we are lucky to have available a Columbia recording of all six volumes.

YELLIN

Cinema

The Sun Also Rises. Ava Gardner, as the widow of an English peer, has an affair with almost every man in the picture. Her true love is an omnipotent newspaperman in post World War I Paris. Miss Gardner, accompanied by a prospective husband and a married admirer, arrives in Spain to see the fiesta, and meets her true love and his friend. She still finds something lacking, however, and runs off with a young bullfighter. Eventually, of course, true love conquers all.

Based of course on Hemingway's book, the picture was well written, and equally well produced with excellent acting. There is more than enough comedy and novelty to provide entertainment for those who do not enjoy an ordinary love story, as well as some excellent bullfight footage. All in all the picture is a rare entertainment bargain.

The Devil's Hairpin. Cornell Wilde is the ex-champion sports car driver who retires in good health and wealth to run a fancy bar with ex-drivers as bartenders. His egomania makes him extremely unpopular with others in the race game, and they goad him into trying to make a come-

BULLPEN

(Continued from page 3)

you should get out and do, not watch. To me this seems to be though perhaps not pro-athlete. pro-athletics if anything, al-

It might be argued that the failure of people to really understand essays lies more in the essayist himself. This is probably true. One of the reasons for writing a column is to learn how to communicate. But if this were the only reason, I might just as well write love letters to myself. A reason to write essays is that in doing so you can clarify your own thoughts. But that is no reason to have them published. It is improbable that the Bullpens clarify very much for anybody else, except what they already believe in some vague way.

There is a time and a place to learn, and this is it. Don't flatter yourself so much as to think that you are accomplishing some great task for everybody else by being ASCIT something or other, or by writing newspaper articles, or by making a touchdown, any more than by snaking like a fiend. Everybody else can get along very well without your present efforts. Yes, we do have a few powers to accomplish, but not very many. The real power is in the hands of the faculty, and it will stay there, and it is a good thing for us too. We need not be so much afraid of jumping in with our eyes closed and spasing the works.

It is certainly true that at Caltech we can get an extensive education in our options. But there is a social education to be had by those who want it. To be more specific, by writing articles one can gain a knowledge of how people will react to ideas, and to some that knowledge may be as valuable as the knowledge of a science.

CHERNOW

Theatre

Janus, Pasadena Playhouse nightly except Monday, 8:30, Sat. matinee 2:30.

The Man of Destiny, Stage Society Theatre, Friday thru Sunday 8:30.

Ballet: Shrine Auditorium 8:30. Thursday, Solitaire Friday-Saturday.

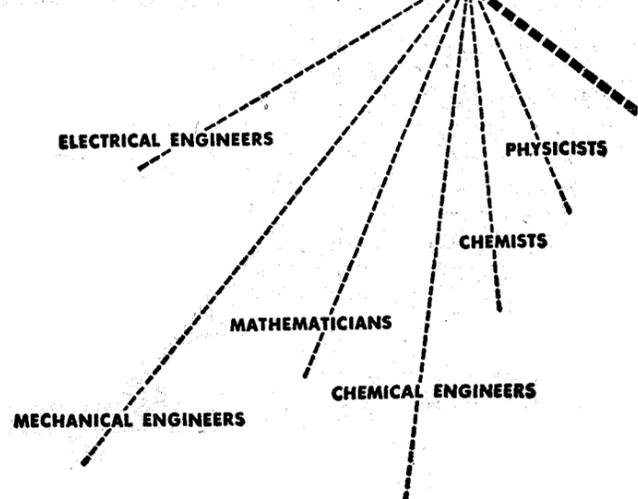
The Sleeping Beauty Philharmonic Orchestra concerts, Thursday 8:30, Friday, 2:00

RUSSIAN SUCCESS

(Continued from page 2)

States has learned that the backward nations are looking to the Soviet Union for help which they have not received from the United States. And the Russians, while avoiding strings on their offers of aid, have shown themselves quite skillful at using it as a loophole through which to infiltrate these countries which accept it. Again the West has found that force will not influence people who want economic advancement. Let us hope that the West will take the lesson to heart.

Get full details on the technical activities at UCRL



ON Wednesday, November 20

a UCRL staff member will be on campus to answer your questions about the scientific and engineering activities at the Livermore laboratory.

Work at UCRL covers a broad range of projects at the frontier of nuclear research. Managed and directed by some of America's outstanding scientists and engineers, the Laboratory offers unmatched facilities and encouragement for young men who have ability and imagination.

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Footballers Roll Western, 46-19

Caltech's Beavers, led by the running of Dick Van Kirk and Don Stocking, scored twice in all but the second period Saturday to whip Cal Western of San Diego. The score was 49-16.

Living up to pregame expectations, the Beavers got off to a fast start by marching to the first score in seven plays, the touchdown coming on a 34-yard end sweep by quarterback Dick Van Kirk.

Gus Scores

Taking over on the Westerner's 43, the Beavers moved again to tally, with Don Stocking and Hal Gustafson carrying the ball. Fullback Gustafson powered into the end-zone from the 7-yard line for the second Caltech score.

Late in the first period the Westerners recovered a Beaver fumble on the Caltech 14-yard line, and moved quickly to put six points on the scoreboard.

The Beavers scored again in the second period on an 8-yard carry by left half Stocking, and pushed over two more touchdowns in the third period. The first came on a 21-yard reverse by Stocking, and the second on

a 40-yard end sweep by right half Art Takido.

Hood sprints for 53

Still pushing in the fourth quarter, the Beavers scored twice again as Van Kirk repeated his jaunt around left end, this time for 5 yards, and left half Lee Hood ended the game's scoring with a 53-yard touchdown sprint.

The Westerners scored twice on 23- and 55-yard pass plays from quarterback Ricketts to their lanky end Briggs.

Score by Quarters

Cal Western	6	0	7	6	—	19
Caltech	13	6	14	13	—	46

A Look at the Record

Caltech

41	Riverside	7
13	Redlands	39
7	Cal Poly	24
12	Whittier	20
12	Whittier	20
46	Cal Western	19
	Occidental	
	La Verne	2-3-0

Oxy

21	Santa Barbara	6
14	Cal Poly	20
6	AF Academy	40
0	La Verne	0
6	Whittier	30
0	Barstow	19
20	Redlands	26
	Caltech	
	Pomona	1-5-1

Tech Harriers Bow to Oxy

Perennially strong Occidental overwhelmed the Caltech cross-country squad in a meet at Occidental last week.

In a mixed up race, during which only the first seven men failed to get lost and every runner had to climb an eight-foot fence in the middle of the course,

Oxy harriers took the first six places. The seven Tech entries and a lone Tiger scrambled for the remaining places. Caltech's Mike Rusch finished seventh for the first Beaver point, with Reed Saunders behind him in ninth place.

Loss of Time

The final score was 15-49 in favor of Oxy, as Beaver runners Wes Shanks, John Uncapher, Mauritz Kallerud, Tom Keil, and Jerry Hansen located the course only after considerable loss of time and finished in order in the remaining places.

The freshmen also fared poorly, losing 17-38. High men for the Beavers were Ben Burke and Pete Lippman, finishing fourth and fifth respectively.

Tomorrow the Beavers meet Pasadena Nazarene here at 4:15.

OXY GAME

(Continued from page 1)

as well as Oxy's Wayne Sink and Pete Tunney. But the erratic Caltech defense may be the key to the game. The Beaver line has frequently shown itself capable of presenting an impenetrable wall, but momentary lapses have proven disastrous.

If the Caltech line can bottle Tunney and rush Sink right from the opening whistle, we will have a Homecoming well worth celebrating.

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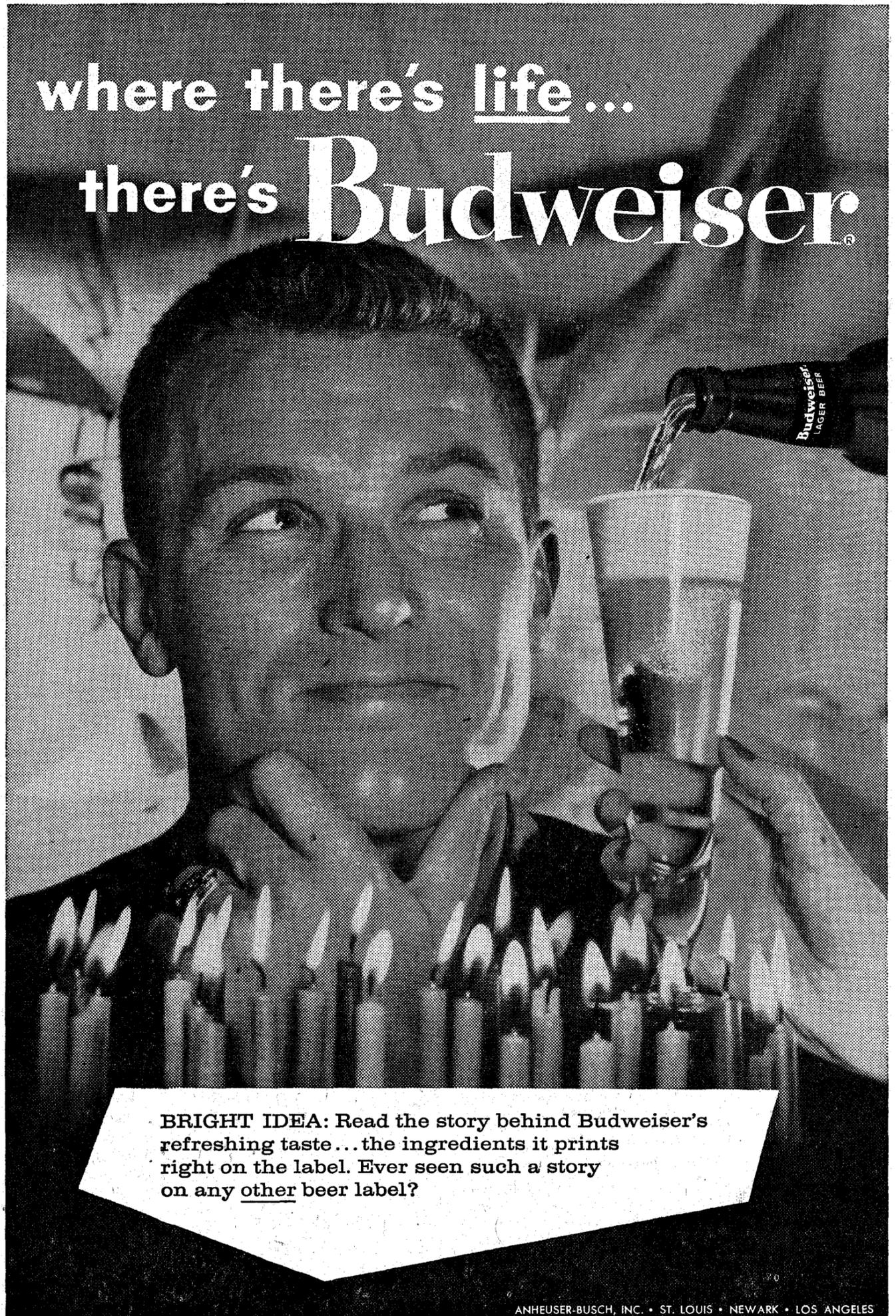
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Soccermen Lose to UCLA, 2-0

In a return match the UCLA Bruins defeated the Beaver varsity 2-0 at Westwood last Saturday.

The game, one of the strangest of this season, had no official referee, and substitutes were hurriedly drafted. The first half was overseen by a UCLA man who had formerly been a team member, while John Lavigino, the Caltech J. V. coach, refereed the second period.

Beavers Stronger

Although losing, the Beavers appeared stronger in this game than they did while winning in the first match of this year's Bruin-Beaver series. Both scores came in the second half.

Tech controlled the ball throughout the game, although

they were unable to score. The ball was continually in Bruin territory. UCLA had the ball only seldom, but they tallied twice to make the game.

Hopes for a conference championship have dimmed, but a real chance still exists. The Beavers must beat powerful Pomona to gain a tie for first in the league standings. In their first match, the Sagehens tied the Beavers. UCLA has lost both to Caltech and Pomona.

Riverside Saturday

This Saturday the Beavers, still sporting a winning record, play the University of California at Riverside here. In their first meeting Tech downed the Highlanders 2-0.

Opinion AS I SEE IT

by Dick Van Kirk

Meet your senior class president. His name is Lawrence Herbert Nelson, but we call him Sonny. He's six feet tall and he packs 150 pounds of bones and skin on his emaciated frame. If you want to give a two word description of him try the words "skinny" and "gutty." I went to high school with him, roomed with him for a year, and played basketball with him for three years. I put the words about basketball in past tense because I think his collegiate basketball career is finished. But I wouldn't put money on that. Like I said, he's gutty.

Sonny was not born with his abilities as a basketball player. He acquired them through hours and hours of persistent practicing, until he could "make all the moves" smoothly and efficiently. He played on our high school team in Phoenix for two years. Most of his junior year he sat on the bench, but his senior year he was a first string guard on a state championship team. He spent his senior year on the first string, but out of the limelight. His freshman year at Caltech he decided that he could score points as well as play defense, and averaged 14 points a game that year.

Just before the start of his sophomore year he got together with his high school teammates and started a little scrimmage. In the middle of the game he came down the wrong way on his right leg and severely damaged the knee joint. One of the best preventatives for knee injuries is a strong set of muscles around the knee. Sonny almost doesn't have enough room under the skin on his legs for his bones,

so his leg muscles aren't too prominent. Anyway, he went to doctors and had the excess fluid drained from his knee, and even underwent surgery to remove some excess cartilage.

He missed the first half of basketball season that year while waiting for the knee to heal, then his desire overcame the fear of re-injury and he taped his leg together, played seven games, and scored 13 points a game until the inevitable happened. In his usual hustling manner he drove in for a layup, came down and stayed down. The knee was gone again and he was out for the season.

The next attempt was the rest cure, and by the middle of basketball season last year he figured he was ready to come back. But all that was ready was the desire, and maybe the shooting eye. He moved slowly, favoring the knee, possibly because he wasn't sure it would hold up, or possibly because it had been so long in disuse that the leg and its muscles couldn't respond to the nerve impulses. So he decided to wait until this year, and rebuild the leg slowly. Sonny reported for practice this year eager to go full speed, and for a while he did.

One morning a few days ago, Sonny got out of bed and his brain told his knee to bend, but it couldn't. It was locked, a piece of cartilage wedged in the joint. Last week he was on crutches, but this week he has discarded the crutches and limps unaided to class. He says he may be ready to play after Christmas, but I think it's too late for his knee to heal in time for any more collegiate basketball.

For over two years Sonny has been trying to shake his knee troubles, and he's limping yet. But I won't bet that he's made his last appearance on a basketball floor this year. If I know Sonny, he'll be out there after

Polo Squad Breaks Even

Caltech's varsity water polo team broke even in two games last week, losing to Fullerton, 8-4, on Tuesday, then coming back on Friday to trounce Los Angeles State, 14-5, for their first win of the season. Both games were played away from home.

Fullerton led throughout the game, building up a 5-2 halftime lead, and holding it through the second half. Clarke Rees paced the Caltech scoring with three goals. Norm Velinty tallied the first goal for the Beavers.

Fast final quarter

The outcome of the game with L. A. St. was in doubt for three quarters; at the start of the final period, the Beavers led by only 6-4. Then Tech fired in eight goals in the final seven-minute quarter to turn the game into a rout. Seven players shared in the scoring; Rees led with six goals. Velinty and Bob Pailthorp scored two apiece, and Bob Blandford, Mike Milder, Pete Rony, and Vince Taylor each tallied once.

Pomona here

The win was Tech's first after four losses, most of the latter coming in close games. The next game is an important conference test against Pomona tomorrow in Alumni pool.

Christmas with his knee in a brace, saying he's ready to go. And he'll play until the knee goes out again. Only this time there's no "next year" to wait for. It would be great to have a healthy Sonny Nelson out for basketball, but it would be nicer for him to go through life without a limp. Who knows, maybe Sonny can accomplish both feats. Anybody feel like betting against it?



Caltech's Luis Baez Duarte duels with an unidentified Bruin.

Test your personality power

(A Freud in the hand is worth two in the bush!)



	YES	NO
1. Do you chase butterflies in preference to other creatures of Nature?	<input type="checkbox"/>	<input type="checkbox"/>
2. Do you believe that making money is evil?	<input type="checkbox"/>	<input type="checkbox"/>
3. Do you think Italian movie actresses are over-rated? (Women not expected to answer this question.)	<input type="checkbox"/>	<input type="checkbox"/>
4. Do you buy only the things you can afford?	<input type="checkbox"/>	<input type="checkbox"/>
5. Do you think there's anything as important as taste in a cigarette?	<input type="checkbox"/>	<input type="checkbox"/>
6. Do you feel that security is more desirable than challenge?	<input type="checkbox"/>	<input type="checkbox"/>
7. Do you refer to a half-full glass as "half-empty"?	<input type="checkbox"/>	<input type="checkbox"/>
8. Do you think fads and fancy stuff can ever take the place of mildness and flavor in a cigarette?	<input type="checkbox"/>	<input type="checkbox"/>

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

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Have a real cigarette - have a Camel

Y Finance Drive Sets \$1800 As Annual Campaign Goal

The annual Finance Drive of the Caltech Y will take place during the week of November 18, aiming for a goal of \$1800, or roughly 8 percent of the total budget. One-hundred fifty solicitors, under the guidance of 18 solicitation chairmen, will approach each individual graduate and undergraduate student and ask him for a small contribution towards this goal.

The contributions by the students will help partially to finance the Y's extensive program of student recreation. Most of the money will be spent on the Leaders of America Program which has brought such famous men as Oppenheimer and Bunche to Caltech in the past.

Speakers

Lunch clubs, forums and discussion groups, introducing about 200 new speakers during the year, take up another large part of the Y's budget. Services, such as the free telephone, the Lost and Found Service and the Used Books Service also take a large share of the funds.

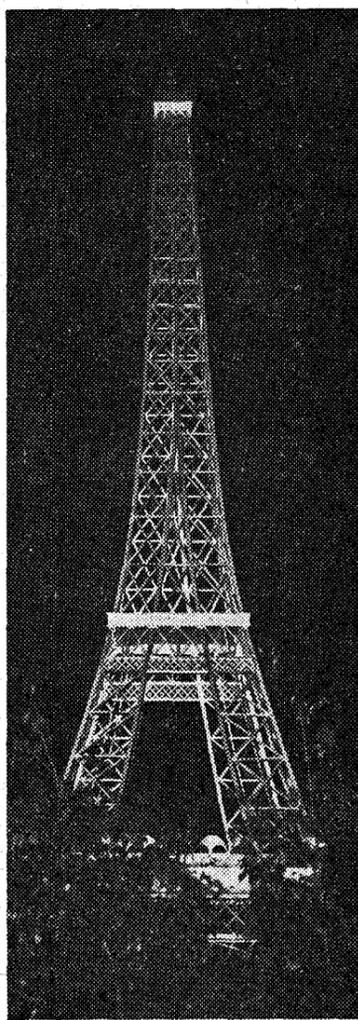
THROOP'S MIGHTY EIFFEL TOWER stood as a beacon to this year's fabulous Interhouse Dance as couples from all over the southland converged on the campus to witness the dazzling display and dance to the music of five swinging bands.

The Eiffel Tower dominated Throop's Parisian theme. Amazed couples thronged through Fleming's Pleasure Dome and Dabney's plush nightclub into Blacker, and were greeted with the sight of a three-masted pirate ship filling the courtyard. Their journey to Ricketts was rewarded with a courtyard magically transformed into a striking underwater scene (animated by a live mermaid.)

The Y feels that it is important for each student to realize the benefits he receives through the Y and the necessity for him to give at least a small, entirely voluntarily, contribution.

Other Sources

Beside the student body, the CIT Board of Trustees, alumni, friends, parents, endowments and other institutions and churches contribute toward the \$21,500 total budget.



Leading Hydraulics Professor Dies After 35 Years at Tech

Caltech's Dr. Robert Knapp died of a heart attack last Friday. He was one of the nation's leading hydraulics experts, and was known widely for his design of experimental facilities and new techniques in the hydraulics, applied-mechanics, and thermodynamics fields. The hydrodynamics laboratory he built at Caltech attracted the country's top

engineers.

Teaching here since 1922, after obtaining his B.S. from M.I.T., he had been a professor for the last seven years and adviser to the campus ASME chapter. He will be remembered for frequently inviting students to dinner at his home.

He had published approximately 40 papers, not including secret war-time research. One of these won him the Melville Medal for best original paper in Mechanical Engineering. During World War II Knapp was an Official Investigator for the Office of Scientific Research and Development for whom he studied air and water trajectories of rockets, bombs, and torpedoes.

Announcements

Y FILM SERIES

The "Y" Film Series will inaugurate its 1957-58 series with "Arsenic and Old Lace" this Sunday, 7:30 p.m., in Culberrson hall. Admission is 45 cents at the door. The film is a thoroughly delightful comedy of homicide and paranoia; two old ladies with a penchant for poison lull tired old men to sleep with their gayly administered potion slipped into elderberry wine. This is one of the funniest pictures the "Y" has yet presented. Don't miss it.

ASCIT OFFICE

The Board of Directors has established an office in the Board room in the basement of the Student Houses. This office will coordinate all ASCIT affairs.

All phone calls concerning ASCIT business should be directed to the Caltech switchboard, Ext. 570. If no answer, call Dick Kirk at SY. 6-5159; Mike Godfrey, SY. 3-7890, or Bill McClure, SY. 2-3386.

NO POMONA GAME

Coach Bert LaBrucherie announced this week that no date could be found for the replaying of the flu-postponed Pomona football game, and that the game had therefore been cancelled.

Barn Dance Tops Sked

The Barn Dance for Ricketts, Blacker, and Throop on Saturday, November 16, in Sunland, will be the highlight of this week's social events.

Crew races and flamers are to be the main attractions of the evening with the "Ger-the-Bear," of whom Blacker is so proud, among the performers.

Fleming will have a "Roman Orgy" Saturday night with mattresses covering the floor, and oliveleaves and grapes as refreshments. The Fleming men will be dressed in Roman togas, and their dates will appear in stolas, worn by fashionable women in Nero's days.

Dabney will have one of its famous party-parties, "unique but not describable," according to Dabney's social chairman. It will be held at the home of one of the house's friends.

Bleed ASCIT Holds Blood Drive

ASCIT's annual Red Cross Blood Drive is being held today in Dabney Hall Lounge. Facilities for the drive are provided by the Red Cross Bloodmobile and will be open until 4 p.m.

Any student over 18 years old is eligible to give blood. He automatically becomes a member of the Caltech blood bank upon his donation, and he, as well as members of his family, can then receive blood from the bank.

LOVELIES

(Continued from page 1)

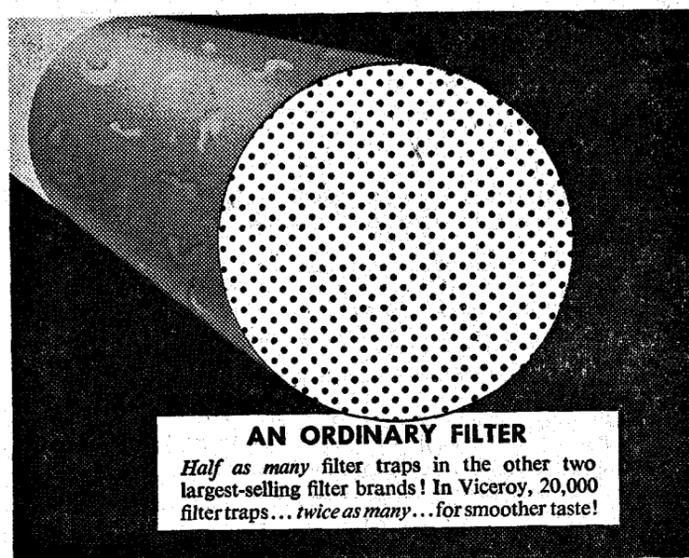
such as psychology, philosophy, and religion.

Suzanne, also a freshman, is having far less trouble with her major. Having spent two summers in Mexico, and studied Spanish she has plans to go into the diplomatic service to that country. An eighteen year old from Los Alamos, N. M., she is 5'8" tall, and likes swimming, riding, and "well, just about everything."

Rounding out the collegian candidates, is Linda Duval, an eighteen year old freshman from Grace Scripps Hall, majoring in foreign languages. To complete the "essential" information, she is 5'6", lives in Burbank, likes swimming, hi-fi, and knitting, has blonde hair, and, as those who have seen her can readily ascertain is prettier than the pictures.

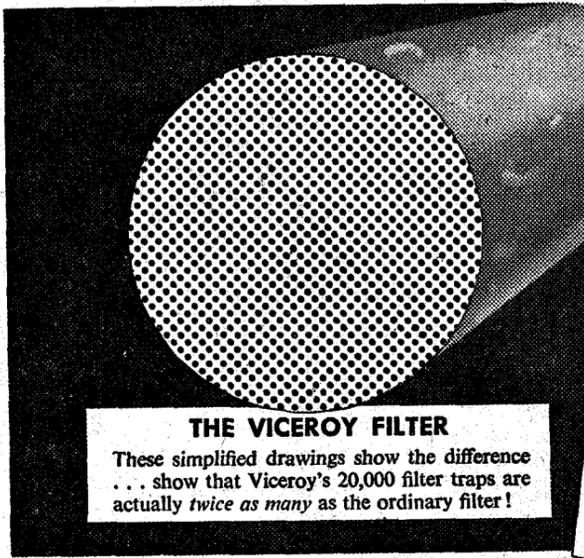
A nursing student at the Queen of Angels Hospital, is our sixth candidate, Joanne Wanek. At the tender (?) age of seventeen she has completed a year at Immaculate Heart. She has brown hair, brown eyes, is 5'4" tall, likes progressive jazz, music in general, dancing, and psychiatry.

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