

TOMORROW IS
FRIDAY THE
THIRTEENTH

CALIFORNIA TECH

BE KIND
TO ALUMNI
SATURDAY

Volume LII

No 23

Athletic Awards At Fri. Assembly

Varsity and Frosh Basketball Awards Top List All-Conference Water Polo Stars Recognized

Athletic awards will be the feature of tomorrow's assembly. Since the end of the term is too late for rewarding men who took part in the winter sports, recognition is being accorded them at this time.

Varsity and frosh basketball awards, including the Vesper Trophy, and the all-conference water polo recognition are going to be presented.

Rams Movie

Following the presentations there will be a movie made by the Los Angeles Rams depicting the highlights of their 1950 season.

Mees Last Week

Last Friday's assembly featured a talk by Dr. C. E. K. Mees of Eastman Kodak on opportunities in research. He outlined the researches carried on by Kodak and spoke about the positions for college graduates in industrial laboratories.

Dr. Mees deliberately made his talk short so that he could answer specific questions put to him by the audience.

Mexican CE's Visit Caltech

Last Friday, 34 Mexican students who finished their training in civil engineering at the National University of Mexico in February, visited the campus as part of a tour including El Paso, Phoenix, Hoover Dam, Los Angeles, San Francisco and Shasta Dam. Caltech was the only college or university on their itinerary.

Athenaeum Lunch

After Dr. Lindvall's formal greeting to the group, in which he gave them an outline of the educational objectives and the curricula of the Institute, members of the Civil Engineering staff conducted the group on a tour of the engineering facilities of the Institute and provided luncheon for them at the Atheneum.

Ricketts-Dabney Barn Dance Sat.

Mountain Oaks will be the scene of the annual third-term Ricketts-Dabney barn dance Saturday night, with prospects for the hottest crew race of the year coming up.

With the two top crews on campus competing for the trophy, there is considerable doubt as to the final outcome, but Ricketts has high hopes pinned on the flammers, with about 10 Class-A men ready for competition at the dance.

Exchange With Oxy

Members of all four student houses and one grad student can testify to the success of the Rowdies' first exchange dance for the term which was held last Friday night.

The colorful decorations were the after-effects of letting Kim Hamberger's artistic abilities go wild in the Ricketts Lounge the week before, and the presence of Occidental queens was the happy resultant of some eager machinations of the House's new social chairman.

Interview Schedule

APRIL, 1951

THURS., 12—NAVAL ORDNANCE TEST STATION. Group meeting with sound film—4:00 p.m., 152 Arms. For summer employment at five laboratories.

FRI., 13—NOTES. Mr. D. A. Interviews for summer employment at five laboratories.

MON., 16—NOTES. Group meeting with sound film—4:00 p.m., 119 Kerckhoff for those interested in permanent employment in any of five laboratories.

TUES., 17—Interviews for above—Mr. Dale.

WED., 18—EE, ME, Ph. Ma. RCA VICTOR DIVISION, Camden, N. J.—D. Ulrey and R. C. Coleman. (Design, development and research).

FRI., 20—SOUTHERN CALIFORNIA GAS CO., Los Angeles—Austin Strong. This is an opportunity for engineers interested in working toward supervisory and administrative duties in a stable industry, with permanent employment in California. The steady growth of this company creates advancement opportunities.

FRI., 20—BS & up/ME, EE, KAISER STEEL CORP., Fontana, Calif.—F. Giroux and Casey Howell. For positions leading to supervision of production (ME); maintenance (EE); and also interviews for Juniors/ME, EE for summer employment.

The HYDRO LAB. is interested in BE,

MS, PhD/ME, EE (particularly in need of MS/ME). Apply at once to Mr. Mc-

Graw at Hydro Lab.

California Institute of Technology
Pasadena, California, Thursday, April 12, 1951

May 4 Set as Deadline for Conger Papers

Deadline for submitting manuscripts for Caltech's annual Conger Peace Prize oratorical contest has been set for Friday, May 4. The contest will be held at the May 11 assembly in Culbertson. First prize for the best oration on the topic of world peace or industrial peace will be \$50, and second prize will be \$25.

Eligibility Rules

Any regularly enrolled undergraduate student who has not won first prize in a previous Conger Contest is eligible. The essays will be judged and the five finalists will present their subject orally before the student assembly May 11.

In last year's contest, Ralph Stone won first prize and Swaroop Bhajan Deo won second. Both spoke on world peace.

May 4 Deadline

Students wishing to compete should submit their manuscripts to Dr. McCrory in 309 Dabney not later than Friday, May 4. The rules governing the contest are:

1. Contestants must be regularly enrolled undergraduates of the Institute who have not won first prize in previous Conger contests.

2. Each entrant to qualify for participation must prepare and submit in advance a written copy of his oration which will require not more than seven minutes for delivery, and which will treat either world peace or industrial peace.

Speeches Memorized

3. All contestants appearing in the contest before the student body will have their orations completely memorized and must deliver them in form of an address or oration.

4. Judging will be on the basis of the student's ability to express himself clearly and effectively on an original, thought-provoking theme.

Limited Assistance

5. Each contestant may have limited assistance and advice

Alumni Invade Campus to Attend Annual Look-See

Five School Play Held Next Friday

On Friday, April 20, all roads will lead to Whittier for the annual Five School Play. The evening begins at 8:15 with the stage show, which will be held in the Whittier High School Auditorium.

TV Shows

This year's show is labeled "ICC-TV," and will be presented as a series of 15-minute television shows by the various schools of the conference. A variety of entertainment is promised.

Chapman and Whittier are each offering musical extravaganzas, as will Pomona, Scripps, and CMC combined. Redlands will present a variety show, while Oxy adds several modern dance numbers. Tech's own offering, concocted by Maestro Art Cuse and others, will be a heart-rending saga of American life dealing with athletic scholarships, dead dogs, and bribery in the mumbley-peg championships.

Music by Keith Williams

After the show there will be dancing to the music of Keith Williams, remembered from last term's ASCIT dance, from 10 o'clock to midnight. The show and dance are sponsored by the ICC, and proceeds will be donated to WSSF. Admission for the entire evening is 75 cents per ticket and tickets are available from House and Throop social chairmen.

from one faculty member. Not more than one hour of such help may be given. Originality of theme is more important than perfection of form.

6. The general procedure in organizing the oration will be the analysis of the problem of world or industrial peace, and a proposed solution.

Kodak Vice President Mees Completes Haynes Lectures

Dr. C. E. K. Mees, vice-president in charge of research at Eastman Kodak Company, has completed a series of talks at Caltech on the topic "Science, Technology and Civilization."

In these talks, sponsored by the Haynes Foundation, a Los Angeles organization founded for the purpose of bringing distinguished speakers and researchers to Los Angeles, Dr. Mees discussed the impact of science and technology on civilization since the beginning of civilization.

Speaks Over Radio

Dr. Mees also spoke with Dr. DuBridge on KFI Monday night on "The American Way," a forum sponsored by the Haynes Foundation and Town Hall. The topic was the relation of science and the advancement of civilization.

"If we turn to the very beginning of human history," said Dr. Mees, "we see man emerging from the animal state not by any political or social change but by the development in his daily life, by the use of tools."

Compares Science's Growth

This development of science technology "has already revolutionized our industrial organizations and promises to revolutionize our entire civilization." He

Public Speaking

Class Meets Today

A public speaking class, English 12-c, will meet for the first time this quarter today at 4:00 in 308 Dabney.

English 12-c is ordinarily a course in debating, but since there is very little debate team work during the spring quarter, Prof. McCrory teaches public speaking, emphasizing self-expression and self-confidence. Registration for English 12-c is not necessary in order to participate.

ACS to Hear UCLA's Garner

Dr. Garner of UCLA will give a talk on nuclear chemistry at the next meeting of the student chapter of the ACS Monday at 11:00 a.m. in 22 Gates.

The meeting will start with the election of the new officers for the coming year. The nominating committee will post their nominations on the chapter bulletin board in Gates today.

Lunch to be Served In Student Houses; Talks and Exhibits Highlights of Day

The 14th annual Seminar of the Alumni Association will be held here Saturday, April 14. The program this year, covering the humanities, engineering, physics, chemistry, and biology, promises a full day for the alumni, their wives, and their guests.

Registration at 8

The morning half of the program begins at 8 a.m., when registration takes place. At 8:50 the alumni will have a choice of two

lectures, one given by Dr. Charles Bures, on the topic "The Philosophy of Science," and the other by Mr. G. C. Dacey entitled "Uses for Radioactive Tracers." At 9:45 they will hear Dr. R. F. Bacher, Chairman of the Physics, Math and Astronomy division, speak on "High Energy Physics."

They will again have a choice at 10:50—this time between Dr. L. Zechmeister's "Organic Chemistry and Its Place in Science" and "Automobile Design Trends" by Dr. Peter Kyropoulos, who was a technical supervisor in the recent Grand Canyon Economy Run.

Distinguished Alumnus

At 11:45 Dr. James Boyd will deliver a talk on "Our Strategic Mineral Resources" to all the alumni. Dr. Boyd, who was graduated from Caltech in 1927, is one of Tech's most distinguished alumni. Holding the post of Director of the U.S. Bureau of Mines since 1947, he was recently appointed head of the Defense Minerals Administration.

Lunch in Houses

Lunch will be served in the Student Houses at 1 p.m. Following this the Musicals will play recorded music in the Dabney Lounge until 4 p.m. for the enjoyment of the weary. While in Dabney Hall, the alumni may see the Public Affairs room—a new feature to most of them. From 2:30 to 3 o'clock half the group will see and hear about the billion-volt synchrotron, and the other half will visit the new Engineering building.

At 3 o'clock the E building group will go to the synchrotron, and those who saw the synchrotron will visit the E building.

Dr. George Beadle, Chairman of the Biology division, will lecture on "Genes and the Chemistry of the Organism" at 4 p.m., while 5 p.m. to 6 p.m. will be a social hour in Dabney Lounge.

DuBridge Speaks at Dinner

A dinner meeting at the Pasadena Masonic Temple, featuring Dr. DuBridge and Horace N. Gilbert, Professor of Business Economics, as after-dinner speakers, will conclude the day's program. Prof. Gilbert, who has been serving on the staff of the U.S. High Commissioner for Germany since the fall of 1949 during a leave of absence from Caltech, will discuss "Germany—History in the Making." The speakers will be introduced by Alumni President G. K. Whitworth, deputy city attorney for the L. A. Dept. of Water and Power.

Arrangements for the seminar were made by a committee headed by Gerald P. Foster of the U.S. Naval Ordnance Test Station, Pasadena, who was assisted by Kenneth F. Russell, general manager of the Vortex Company, Claremont.

Campus Calendar

FRIDAY, APRIL 13
11:00 a.m. Athletic Awards assembly
Culbertson hall

1:30 p.m. Varsity polo, Caltech vs. Pomona at Pomona

7:30 p.m. Demonstration Lecture, "Biochemical Power Plants," 201 Bridge

SATURDAY, APRIL 14
1:30 p.m. Varsity tennis at Oxy
1:30 p.m. Varsity and frosh track vs. Whittier Tech

2:15 p.m. Varsity baseball vs. Chapman

2:30 p.m. Varsity and frosh swimming at Redlands

SUNDAY, APRIL 15
3:30 p.m. Musical concert, Dabney lounge

3:30 p.m. Film classics, "Well-Digger's Daughter," Culbertson hall

MONDAY, APRIL 16
11:00 a.m. ACS student chapter meeting, 22 Gates

7:30 p.m. Film classics, "Well-Digger's Daughter," Culbertson hall

TUESDAY, APRIL 17
7:30 p.m. Band practice, Culbertson hall

Pedestrian Tag

The traffic problem at the entrance to Tournament park, which has long been a subject for much discussion and no action, is becoming more critical year by year. It seems obvious that some system of traffic control here is indispensable to the safety of hundreds of Tech students who must daily use this crosswalk.

1000 Crossings Daily

It has been estimated that well over a thousand crossings of California street by pedestrians are made daily, almost all of these by Tech students and personnel, to and from their cars parked in Tournament park and to and from P. E. classes and athletics. The crosswalk is thus much more used than many in Pasadena now provided with some form of traffic control.

Dangerous Situation

During the rush hours (actually when the crosswalk is most used) California street is choked with traffic, heavy at all times and worst during the racing season, and one is taking his life in his hands to cross the street. The cars are supposed to stop for pedestrians, but cannot because the closely-spaced traffic would pile up behind. Driving out of the Tournament park exit is even more dangerous, for the cars parked on the south side of the street obscure the driver's vision.

Traffic Signal Demanded

Several possibilities present themselves for traffic control at this point. The simplest and most effective would be a traffic signal, synchronized with the ones on California at Wilson and Hill streets, so that pedestrians using the crosswalk and cars using the park gate need not battle opposing traffic.

Pushbutton Control

If it was found that the crossing was not used a sufficiently large part of the time to warrant a full-time signal, a pushbutton control might be established so that pedestrians and drivers could activate the signal from either side of the street. This arrangement is used in many cities at little-used but dangerous crossings. An alternative solution to a signal might be an underpass, but this is expensive to build, difficult to maintain, and does not provide for safe automobile use of the park gate.

Gym Will Double Use

Long-range institute plans call for the construction of the long-awaited Gymnasium and Student Union building in Tournament park sometime in the future. The use of this crosswalk would then be more than doubled.

This request is not new. Back in 1941, a delegation of students visited the Pasadena authorities and requested a signal at this crosswalk, but red tape was wrapped around the petition and no action was taken.

Must We Be Killed First?

It is high time that Tech students get together, get the support of school officials, and send a committee to demand of the city manager's office that action be taken, and a traffic signal installed immediately at the entrance to Tournament Park. Let us not wait for some unfortunate student to die for the cause and thus prove its necessity.

B. L.

Egad!

The bather's clothes were strewn
By the winds that left her nude.
When a man came along,
And unless I am wrong,
You expected this line to be lewd.

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or

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Fri. Nights

Fowler's

"Men's Distinctive Fashions"

Who Dealt This Mess

by Tom Hamilton

This week's hand is taken from the 1951 Intercollegiate Bridge tournament. Two points are illustrated: the meaning of a jump to three no trump after an opening bid and the mechanics of the double squeeze.

NORTH

S Q,6,3,2
H K,7,2

D A,6

C Q,J,10,7

WEST

S J,10,9,8

H J,8,6,4

D 8,4,3

C 9,6

EAST

S 7,5

H Q,9,5

D Q,J,10,9

C 8,5,4,2

SOUTH

S A,K,4

H A,10,3

D K,7,5,2

C A,K,3

In spite of his five and one-half honor count South's hand is too weak to open for two since it has less honor count than losers. A one no-trump opener is too weak to bid, since it limits South to less than four and one half honor count as far as his partner is concerned. The compromise bid is to bid his three card club suit in order to make it as easy as possible for his partner to reply. The jump to three no trump after his partner's response is ideal, since it describes perfectly his hand to his partner, a minimum of five honor count and no five card suit. North's suggested response is 4NT, the Blackwood convention to determine the number of aces his partner holds. North immediately jumps to 6NT since knowing the number of kings his partner holds will do him no good.

East opens the queen of diamonds and South surveys the situation. He has 11 tricks in high cards and the 12th trick can be got in spades if they split three-three. South then considers

(Continued on Page 4)



Noble Flop

After last week's noble start with an extensive declaration of the high and mighty ideals of the Beak (Amen!) Campus Brewins gets back to the old routine of slinging it as per usual, since last week's Beak drifted out to the Blacker-Throop stag in Azusa Monday night and forgot to turn in any copy.

So this week a temporary Beak is shedding his mouldy house coat of woven wire twill (shades of Kurland!) and barfing the latest dose of Sue's fried tygon tubing while attempting to regurgitate 15 inches of unchaste chatter.

Saintly Surroundings

Miss Saint—does the name mean anything?—after experiencing Blacker hospitality last weekend finally saw the light and partook in the Rowdies exchange Friday. Ernie Weber, with his "let me teach you some Spanish" line, endeavoured, but it was Chuck Benjamin who showed her some interesting things about the campus. Norm Peck and Dick Brown offered their services but C.B. was her chosen escort back to Opeachy-keen Lane.

An attractive blond, although rather quiet during the evening, proved to be quite alluring as she enchanted Bill McCormick on the way back to Oxy in his convertible sexwagon.

Eager Sure Is

Walt Eager, the new social chairman, was not around to enjoy the fun but was seen head-

ing south to a beach near Palos Verdes with Hamberger's sister.

Raunchy-looking cigars were passed around as Eileenberg (the fiancee is Miss Sidney White) became another member in the "it won't be long to we're getting it now" club or rather the "what makes you think we haven't gotten it already" club.

"Tex" Knapp has been on another pilgrimage to Santa Monica; a veritable Amazon seems to be the interest.

Inglis Sewer Pipe

The inter-alley cup, Stockbrand's motor scooter drive belt, and now the much-coveted sewer pipe, thanks to Doug Inglis, adorn Cherry Lane's trophy case.

Al Burton's unicycle was just too much for Enslow; after damn near — — ing himself, he quit. What some people won't do for a buck.

Now that Polk is leaving the 33 acres of ice plant and wind tunnels between California and San Pasqual boulevards, one Sleazy Jim Wilson takes the honor as No. 1 Out-of-It, with a new record of resigning from the Tech staff 69 times last Monday night.

No news from Blacker or Fleming this week—Blacker was changing its usual diet for a

CAMPUS BARBER SHOP

In Old Dorm

Also Agent for

LAUNDRY & DRY CLEANING

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stag out in Azusa (I never knew they looked like that!), and Fleming followed the Ottermen whole-hog trying to crash the party.

Dabney Gets In

After three straight nights of exchanging with various damsels from near and far, all Dabneyites who might have been

(Continued on Page 4)



Be Happy-Go Lucky!

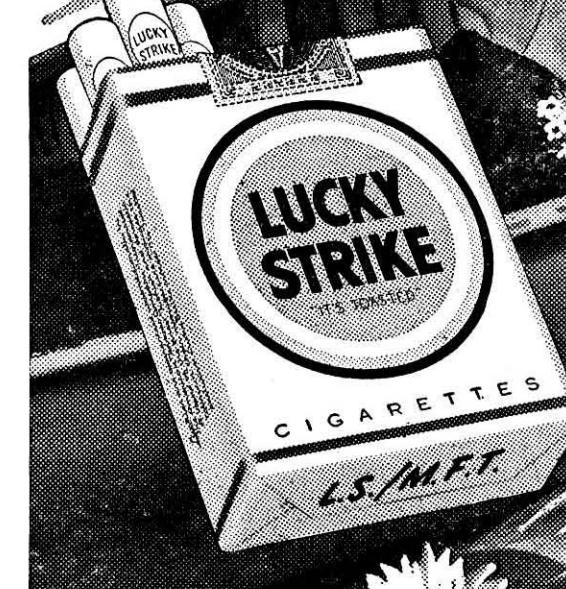
Fraternities, sororities
All ask for Lucky Strike.
Minorities, majorities
Say, "That's the one we like!"
George E. St. Laurent
Boston College

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When things don't seem so funny
Is just to say, "The world's okay,
For here's a Lucky, honey!"
M. J. Sutton
Stanford University



I study singing—Do, Re, Mi—
The scales I sing by rote.
But I sure sing my very best,
When Lucky Strike's the note!

Edwin L. Van Sickle
Kans. State Teachers College



L.S./M.F.T.—Lucky Strike Means Fine Tobacco

Oxy Trackmen Win; Poet Meet Coming

This week Caltech hopes to take one in track. Whittier's team visits Tournament Park Saturday afternoon. Whittier has shown no impressive amount of strength, and a Caltech team that is finally in shape might send them home without the bacon.

Stars Missing

Oxy's John Barnes didn't make the meet Saturday, and Bob McMillan didn't run his specialty, the distance, but Oxy didn't seem to notice the difference as they rolled over Caltech 116-15 in a track meet held here last Saturday afternoon. Oxy captured all the first places in the meet, and all but three seconds.

Tautz Goes High

Best Caltech performance was turned in by Don Tautz, who grabbed second with a nice 12 ft. 6 in. pole vault, six inches over his previous best. Other than this the Caltech team still showed the results of the lay-off over vacation. Bob Parnes led in the half until the final stretch, but just couldn't keep up the pace, winding up with a third. Pete Mason and Bob Waid got the other Beaver seconds.

Record Set

One meet record was tied and one broken. A mile relay team of Cotrel, Butler, Ruprecht and (Continued on Page 4)

Buttin' In

—by Butler

The troops really turned out in flocks last Saturday to watch Jordan's famous spike team. The Oxy lads certainly didn't surprise anyone by trouncing the poor Beavers 116-15. But the fans were visibly disappointed at the absence of John Barnes and the weak showin of distance star McMillan.

Coach Bert LaBrucherie found little to cheer about as he prayed for the meet to draw to a rapid end. But news of Tautz's 12 ft. 6 in. effort in the pole vault soon had Bert grinning from ear to ear. Nice going Don.

Better Than Yanks

The Star News sports staffers were to enraptured by the news of a 6-5 baseball win over Redlands that they proved by a very circuitous route that Tech is better than the well known Yankees. Even without the Star News allusion, the victory was well earned.

The win was mainly due to the pretty twirling of Norm Gray. The only incident that marked a good game was the ugly remarks made by the Redlands coach to the umpire over a decision concerning the num-

IH Footballers Take Spotlight

Interhouse football got into full swing this week, with Throop grabbing off an 8-6 win over Dabney Monday to increase their chances of winning the coveted trophy.

A winning football team would insure Throop's winning the trophy, as even second-place Blacker could not overhaul them in the one remaining sport, volleyball.

Standings:
Throop—103
Blacker—94½
Dabney—84½
Fleming—77½
Ricketts—57½

ber of bases given for an overthrow.

AAU Swimming

This weeks AAU swimming meet at Ohio State brought forth one of the most powerful aqua squads ever seen. The Yale club went wild as it ran upon unbelievable 118 points. Well known stars such as Marshall and MacLane performed as expected.

But the Yale 400 yard relay team was more amazing, as four (Continued on Page 4)

BEAVER SPORTS



Tennismen Meet Oxy Saturday

The first round of conference tennis matches ends this Saturday, with Tech journeying to Oxy, match time 1:30 p.m. To date Redlands and Pomona appear to be the strong teams of the conference.

No Winners

The Beaver racket swingers were not given much encouragement in the match with Redlands played last Saturday. Redlands made a clean sweep, ending the match 9-0. The greatest resistance came from Burke Welch, playing fifth singles and the first and third doubles.

Practice Match

The Loyola match, which was to be played last Wednesday, has been canceled twice now on account of rain. It is not certain to what date it will be postponed. The racketmen are scheduled to meet L.A. State in a practice match next Wednesday on the local courts.

Golfers Lose to Oxy; Pomona Up

Tech's golfers meet Pomona this Friday out on the Montebello golf course. Match time is 1:30 p.m.

Oxy pounded out a win over the golfers last Friday, 11½-6½. Smith and Argue of Oxy carded low scores for the day, each getting a 77 round. Low for Tech was Steve Pardee, with a 79.

Beavers Chalk Up Conference Win

Batmen Beat Redlands 6-5 In Ten Innings; Karasawa Big Stick

Fresh from a conference win over Redlands the Beaver baseball team faces a busy schedule next week. Saturday finds Chapman visiting (gametime 2:15), while Monday and Tuesday the baseballers swing their bats against Glendale J. C. and Pasadena Nazarene College in practice matches.

Last Saturday saw Caltech's baseballers down Redlands in a 10-inning ball game. Gray did all of the pitching for Caltech, holding Redlands to eight hits and five runs. Stal Kamp came through when it counted, in the last of the 10th, with a hit which scored the winning run.

Beavers Show Teeth

The Beavers were looking like a real baseball throughout most of the game. However, they did errors when they hurt most. An error started off the first of the ninth, in which Redlands scored two runs to take the lead. The Tech team got out of some trouble in that same inning by making a double play, Johnson to Koons.

Three-Run Inning

Caltech scored one run in the third inning on one hit. In the big fourth inning Neverman hit, Johnson forced Neverman at second, and Snider was hit by a pitched ball. Karasawa then hit, scoring Johnson and Snider, and Wise batted in Karasawa.

In the last of the ninth Wise hit, Pfeiffer hit and Wise was forced at third. Pfeiffer scored the tying run on a bad throw. Stal Kamp then batted in the winning run in the 10th.

Caltech	Runs	001 300 001 1—6
	Hits	101 311 112 2—13
Redlands	Runs	000 012 002 0—5
	Hits	000 022 003 1—6
Karasawa, 3b	AB	3 4 1 1 3
Wise, cf	R	4 0 2 2 0
Pfeiffer, c	H	5 1 1 4 0
Stal Kamp, ss	PO	6 0 2 2 5
Koons, 1b	A	4 0 1 12 0
Neverman, rf	E	3 0 2 2 0
R. Johnson, 2b		5 1 0 4 0
Snider, lf		3 1 0 3 0
Gray, p		5 0 1 0 1
Strike outs—By Gray, 4; by Feldman, 3.		Bases on balls—Off Gray, 3; off Feldman, 6.

Campus Interviews on Cigarette Tests

Number 16...THE HARLEQUIN DUCK



"I may be a clown—but I'm no fool!"

He might be the merry-andrew of the marshlands, but lately he's been downright glum about these trick cigarette mildness tests. Never one to duck facts, he holds nothing much can be proved by a sniff of one brand or a quick puff from another. Snap judgments can't take the place of regular, day-to-day smoking. That's why so many smokers are turning to ...

The sensible test . . . the 30-Day Camel Mildness Test, which simply asks you to try Camels as a steady smoke — on a pack after pack, day after day basis. No snap judgments needed. After you've enjoyed Camels — and only Camels — for 30 days in your "T-Zone" (T for Throat, T for Taste), we believe you'll know why ...

More People Smoke Camels than any other cigarette!



Meet your perfect classmate!

New Parker "21"
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Precision-built by the makers of the famous New Parker "51". Smart style, better-writing features seldom offered at even twice the price.

WRITING'S fun with the New "21"! You glide through schoolwork on a super-smooth point of Octanium, the wonderful new 8-metal alloy. A special regulator measures ink flow to your writing pace . . . prevents skips, blurs, and degrading blots.

The new-type "21" ink chamber is Pli-glass for enduring, trouble-free service. (No rubber to rot!)

It stores more ink . . . lets you see the ink level for easy checking. Filling the "21" is easier, faster!

New style, latest precision features, real economy are yours in New Parker "21". See it at your nearby pen dealer's in blue, green, red, black. Lustraloy slip-on cap. Choice of points. For double pleasure, get the New "21" Pen with matching pencil—\$8.75.

At gift-hunting time, hint for the finest of all—New Parker "51"! New Parker "51" and "21" Pens "write dry" with Superchrome Ink. No blotters needed! (They also use other inks.)

WHO DEALT THIS MESS?

(Continued from Page 2)

ers that he may be able to pull a squeeze play for the 12th trick if things are right.

The first condition necessary for the success of a simple squeeze play is that declarer must be able to take all of the remaining tricks but one. Thus declarer must lose a trick right away. In which suit should he lose it? To answer this it is necessary to understand how the squeeze is supposed to work.

East High in Diamonds

Provided that the spades don't hold the high spade and that East will hold the high diamond. Then South would lead out all of his high cards and neither opponent would be able to hold more than two hearts and declarer makes three heart tricks. It is apparent then, that diamonds are the only suit in which to lose one trick necessary to set up the squeeze. Declarer therefore lets the queen of diamonds win the first trick and endeavors to take all of the rest.

With nothing better to lead, East continues diamonds, won by dummy's ace. Declarer returns to hand with a king club and plays the diamond king, dropping a heart from dummy. Then he plays the club ace and the ace-king of spades and returns to dummy with a spade.

The spades fail to split and the two good clubs are led. After one of dummy's clubs have been cashed the situation is

NORTH

S 2

H K, 7

C Q

WEST **EAST**

S J H Q, 9, 5

H J, 8, 6 D J

SOUTH

H A, 10, 3

D 2

on the QC. East must save his diamond or declarer's two is good, so he sluffs a heart. South now discards his useless diamond and West is squeezed since he must drop a heart or make the spade two good. Ace, king, 10 of hearts takes the last three tricks, accomplishing the double-squeeze, and making his contract.



"We have to cater to him a little — but he never forgets the Angostura* in a Manhattan."

ANGOSTURA.
AROMATIC BITTERS
MAKES BETTER DRINKS

*P.S. It's not just Manhattans that get their subtle smoothness from Angostura, but Old Fashioneds and whiskey-on-the-rocks taste incomplete without its tang.

**Clothes
Need
Cleaning?**

Have Your Clothes Ready
Monday Evening When Our
Representative Will Call

Ricketts—Rich Smyth
Fleming—John Marion
Al Pitton
Dabney—Gutierrez
Blacker—Ken Lunan

SAVETZ
CLEANERS and TAILORS

CAMPUS BREWINS

(Continued from Page 2)

out of it are back in again.

A black eye is something to be thankful for at times, as Stanaway found out at Huntington Hospital last Thursday. It served as a perfect introduction to a girl similarly afflicted; said girl was seen with said Bob both Saturday and Sunday. According to reports "a perfect date was enjoyed by all."

If there is any record for being tea-bagged, Sig Chamer now holds it. He was the lucky recipient of not two, not four, but 10 of the clammy things in his left pocket, while engaged in what must have been a very charming and engrossing conversation with the girl on his right. Chamer says if his roommate had paid less attention to his food and more to his girl, it never would have happened.

We Highly Recommend
Carl's Caltech Barbers
On California St.
Near Lake

Quaker Oats

Next week's barn dance will feature a mob of Whittier dates as a result of a successful exchange. It is not known whether R. A. Norris's early departure and late return contributed to the success or not. A measure of retaliation was shown when the Quakerettes brought a skit of their own and forced the Darbs to witness it.

Proof that Whittier does not mean Quaker! When Dutch turned on the 10-KW searchlight that adorns his monster to turn around in front of the Whittier residence halls, the sweet young thing beside him was quick to

reprimand, "Oh, we never turn on any lights out here."

From the amount of griping he was doing, Shreve must have been considerably embarrassed by said light. Of course, time was when he never would have had occasion to gripe.

Phillips, et al

Out of the corner of his ever-watchful eye, the Beak saw J. T. Billings stealing out of the court followed by an obedient wench from Oxy carrying a load of his books—among them an MRW. Training is a wonderful thing.

On Sunday, for the second time in his term, Ludwig

BUTTIN' IN

(Continued from Page 3)

unknowns churned off 100 yard laps at an average of better than 52 seconds. Brother, that is really moving. The Olympic meet should be terrific with the American and Japanese stars battling for top honors.

brought good weather to an outdoor social function in a sweeping break with past tradition. Michaelson and Snyder had reason to lament the fact that no football, volleyball, baseball, or other equipment for playing was brought—but a good time was had by all.

**Caltech
Pharmacy**
COURTESY . . . SERVICE
SATISFACTION
Dependable Registered Pharmacists
Prompt Free Motor Delivery
882 East California Street
SYcamore 2-2101
Pasadena, California

**Voget &
Cathey**
MEN'S WEAR
459 East Colorado, Pasadena

But before we all rush madly over to Europe for the Olympics let's take time out and watch the Tech swimming team when the Oxy meet rolls around on April 20.

OXY TRACKMEN WIN

(Continued from Page 3)
McKibben took the event for Oxy in the nice time of 3:18.9, a meet record, while Oxy's Walt McKibben tied the record of 21.4 in the 220-yard dash.

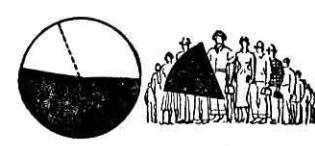
Dino's
NEAREST THING TO
SAN FRANCISCAN
ITALIAN FOOD AT ITS BEST!
open daily 4:30 p. m. to 1 a. m.
Fri.-Sat. 3 a.m. Sun. 1 p.m. to 1 a.m.
2055 East Colorado
SYcamore 2-0657
PIZZA - ANTIPASTO - RAVIOLI
Take Some Homell

Union Oil 1950 profits 8% of total sales



32% for Raw Materials

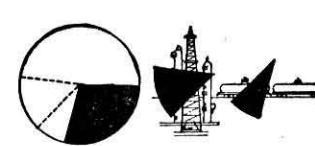
1. In 1950 Union Oil Company took in \$217 $\frac{1}{4}$ million from the sale of its products. \$68 $\frac{1}{4}$ million went right back out in payment for raw materials.



16% for Wages and Salaries

2. \$35 $\frac{1}{2}$ million went to our 7,826 employees in wages, salaries and benefits.

(Salaries of company officers constituted about 1 $\frac{1}{2}$ % of this.)



17% for Supplies; 8% for Transportation

3. \$37 million went for supplies, rent, tools, utility bills and other costs of doing business. \$17 million went for transportation.



12% for Depletion and Depreciation

4. \$27 million went for depletion and depreciation—to find new oil to replace the crude used during the year and to replace worn-out and obsolete equipment.



6% for Taxes; 1% for Interest

5. Federal, state and municipal taxes took \$12 $\frac{1}{2}$ million.* (This does not include gasoline taxes.) Interest on borrowed money amounted to \$2 $\frac{1}{4}$ million.

*These taxes amount to 11% more than all dividends paid to our stockholders and equal more than $\frac{1}{3}$ of our total payroll.



5 $\frac{1}{4}$ % for Dividends

6. This left a net profit of \$17 $\frac{1}{4}$ million (8%). \$11 $\frac{1}{2}$ million of this profit was paid out in dividends to our 38,095 preferred and common stockholders. Payments averaged \$292 per common stockholder.

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On Sunday, for the second time in his term, Ludwig

brought good weather to an outdoor social function in a sweeping break with past tradition. Michaelson and Snyder had reason to lament the fact that no football, volleyball, baseball, or other equipment for playing was brought—but a good time was had by all.

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