

Plans Drafted For Pajamarino

Freshmen Will Collect Wooden Boxes For Stupendous Pre-Game Bonfire

The 1950 Caltech Pajamarino, annual pre-Oxy game extravaganza, will come off in its usual hilarious, hell-roaring style next Thursday night, October 19.

Parade and Entertainment

Following the precedent of previous years, the event will start with an outdoor hot dog dinner in Tournament Park.

This will be followed by a bigger than ever (get to work, frosh) bonfire, and a boisterous parade of pajama-clad Techmen through the streets of Pasadena to Legion Hall where appropriate entertainment will be presented by Occidental College. The entertainment includes Oxy musical presentations, well-led rip-roaring group singing, and mainly, a wild uninhibited melodrama presented by seven Oxy girls.

Frosh Will Collect Boxes

Frosh will be kept busy during the next week in collecting the thousands of wooden boxes necessary for the bonfire, and heaping them around a tripod of telephone poles set up for the occa-

sion in Tournament Park. Most of them will also keep some owl hours standing guard over the boxes to prevent any calamity such as premature lighting of the fire by Oxy men.



A striking view of one of the Pajamarino bonfires of years past—over 2000 boxes are burning in this Victory Fire.

Dr. Beadle Wins Public Health Assn. Scientist Award

Dr. George W. Beadle, biology division chairman, was today named one of three outstanding scientists to receive the 1950 Lasker Award, given annually by the American Public Health Association. Dr. Beadle, a renowned geneticist, is the first Tech scientist to receive this coveted award in recognition of outstanding work in the field of medical research.

Fifth Year of Award

This is the fifth year that these awards, established by the Albert and Mary Lasker Foundation, have been made and the first time that one of the individual awards has gone to a West Coast scientist.

The award includes a \$1,000 grant, a leather-bound citation which describes the winner's achievements, and a gold statuette of the Winged Victory of Samothrace. The group winner will receive a silver statuette.

Dr. Beadle is specifically cited "for outstanding and fundamental contributions to the understanding of genetic control of metabolic processes."

Revolutionary Discovery

It was a decade ago that Dr. Beadle, working with Dr. E. L. Tatum, made the revolutionary discovery that the synthesis of vitamins and amino acids in the living cell is under the control of genes. In making this discovery he used a very simple tool, red bread mold, scientifically known as "Neurospora Crassa." Thus a new research tool came into being, one which simplified and speeded up genetic research, and it is with this tool and this discovery that he has since been identified. His findings opened a new rich field of research, the exploration of which has led not only to new knowledge of genes, but in even greater measure, to new knowledge in biochemistry.

The effect of this discovery has also been felt in bacteriology, making possible for the first time the study of bacterial genes.

During World War II, practical application of genetic principles made possible by work done by Beadle led to a four-fold increase in production of penicillin.

God!

A dissatisfied politician recently was heard to say: "George Washington never told a lie; Franklin Roosevelt never told the truth; but Harry Truman—he just doesn't know the difference!"

DuBridges To Give Tea For Frosh this Weekend

This Saturday and Sunday the freshmen will trek to Dr. DuBridges' home for the annual frosh tea. One-half of the freshman class will attend Saturday and the other half Sunday. The two teas will be held from four to six in the afternoon.

The tea is being held so that the new students can meet Dr. and Mrs. DuBridges more informally than was possible at Frosh

camp. The event has been traditional here for years.

Besides the DuBridges, the freshmen will meet several members of the faculty and their wives, the resident associates of the four houses, and daughters of some of the faculty, who will pour. Among those present will be: Dr. and Mrs. J. F. Bonner, Mr. and Mrs. P. C. Eaton, Mr. and Mrs. Wesley Hershey, Mr. and Mrs. William Huse, Dr. and Mrs. R. H. Jahns, Dr. and Mrs. Linus Pauling, Dr. and Mrs. A. R. Sweezy, Dr. and Mrs. Franklin Thomas, and Dr. and Mrs. Morgan Ward on the 14th.

Attending on the 15th will be Dr. and Mrs. H. F. Bonnenblust, Prof. H. E. Eagleson, Mr. and Mrs. D. E. Elliot, Dean and Mrs. L. W. Jones, Dr. and Mrs. G. D. McCann, Dr. and Mrs. Carl N. Niemann, Mr. and Mrs. G. K. Tanham, and Dean E. C. Watson.

Dabney Library Gets "New Look"

Dabney Library is undergoing extensive reorganization this year, with Paul E. Monroe, a professional librarian, taking charge. He received his training in library science at USC, and took grad training at UCLA.

Floor Plan Changed

The changes will include moving the librarian's desk out of its present position, making the present counter into a wall, and turning that room into a reference room. The room will include not only humanities reference books, but reference books of a general nature from the central library, although there will be no books of a technical nature included. The librarian's desk, the counter, and the card catalogue will be moved out into the main room of the library, occupying a position in the southeast corner.

Symbolic Psychological Film Set for Assembly Tomorrow

First Representative Will Be Nominated To Fill Board of Directors Vacancy

Techmen will be offered something unusual in motion pictures in this week's assembly, beginning promptly at 11:00 tomorrow morning in Culbertson Hall. Three symbolical, animated films which present a message in an abstract manner will be shown.

These films are sponsored by the Anti-defamation League, and present arguments for tolerance by means of an unusual art form. These films explore the psychological basis for the various prejudices of man, and the reasoning which determines these prejudices.

3000 Sign Crusade Scroll

A grand total of nearly 3000 signatures of Caltech students, faculty, and employees has been gathered in the "Crusade for Freedom" campaign, and the many scrolls which have been posted throughout the campus were forwarded to the Crusade headquarters in New York City yesterday.

Heading the campus drive for both signatures and funds was Dr. Royal W. Sorensen, professor of electrical engineering emeritus, while Dean Thomas served as vice-chairman of the Crusade Executive Committee.

Caltech as a whole is to be commended for its enthusiastic response to this campaign of universal democratic expression, according to the executive committee. The cooperation of the staff and student committees on the campaign has also been an outstanding feature of the drive.

Part-Time Work

If you want part-time work this year, be sure you have signed up this term in the Placement Office, Room 120, Throop.

New Rec Room Finished Soon

The Student House game room is nearing completion. According to Mr. Hertenstein of Buildings and Grounds, his department has completed its share of the work. It was the job of Buildings and Grounds, to clear the room, paint it, and put in lights. Mr. Tanham stated that furnishing the room is the only remaining problem.

It was tentatively decided by the Interhouse Committee that the furnishings would consist of three pool tables, three ping-pong tables, and possibly a shuffleboard. Of course there will be soft chairs and sofas.

Since his return from Europe, Mr. Tanham has been working on the problem, and he indicated that the game room will be ready for use in the near future.

House Social News

Blacker

Blacker's fall swing at high society detonated last Friday with its first exchange dance. While upwards of 26 frosh debs "came out," and went out, the not too senescent upperclassmen circulated among some 55 women imported locally. Les Earnest, Chuck Davies, and Co. yodeled a little at half time, but then so did everyone else.

Next week end the chief social event is the Camp Ivy mountain party, where Blackerites are scheduled to climb, cook, and cavort next Saturday. Frank Simon, "the West Virginia mountain boy," will be on hand, as will be the best part of the Blackest (to whom only superlatives apply).

Ricketts

This weekend will be a busy one for Ricketts House. On Friday night, there will be a square dance for all those Rowdies who can get dates, while on Saturday evening, there is to be an Oxy exchange with Haines Hall.

All these social doings were planned and organized by Phil Halverson, the Rowdies social director. The square dance will be presided over by Junior A1

Dabney

Dabney's fall term fun began at the beach last Sunday; the troops made the 30-mile excursion to Sunset Beach and made themselves at home in the surf, on the sand, with the beer, and in the large house.

Tomorrow night Dabney will hold an exchange with some fifty Whittier misses, and Saturday features an intimate (but as yet unnamed) house party in the Pasadena area.

Much brainwork and multi-hours of labor will be put in on the always-successful Interhouse Dance. Somewhat of a surprise will astound the Darbs on Saturday, Nov. 11; the social committee has planned an "Occasionally We Do" party. This should be fun for everyone, even those who don't. The fall rounds out on Saturday, December 2, with a Dabney-Fleming-Throop Barn Dance at Sunland.

The spirited Darb frosh seem determined to aid the house in maintaining the friendly crew trophy on the mantle in its own comfy, dustless little sitzplatz. Marshall who has MC'd most of Ricketts' square dances during the past two years.

ASME Prexy Here Friday

James D. Cunningham, national president of the ASME, will be at Caltech Friday, Oct. 13, to visit the student branch of the organization.

He will deliver a talk on "The Engineer's Civic Responsibility." Mr. Cunningham's subject will be of vital interest to all those concerned with engineering. The meeting will be in 206 Dabney at 11 a.m. and all engineers are urged to attend.

The ASME's started the year's activities Monday with a general policy meeting in which the members determined what field trips and speakers will be most popular.

After a spirited discussion, the meeting concluded with a sound-color film on "Jet Propulsion."

Talks and Trips

Field trips this year will include Studebaker's assembly plant in Vernon, the remolded

(Continued on Page 4)

Whitney to Boston For TauBate Meet

Bill Whitney, president of the Caltech chapter of the national honorary engineering fraternity, Tau Beta Pi, journeys to Boston next Tuesday for the national convention to be held there.

Whitney will spend three days in Boston, where the delegates from Tau Beta Pi chapters from all over the country will form policies for the organization, and tell about some of the projects undertaken by the chapters.

Caltech's chapter last year undertook a survey of local industry to determine how well Caltech graduates had been trained for positions in industry, and what opportunities awaited Caltech graduates in industry. The project for this year is unannounced.

Remember?

'Fun', 'Frolic' for Frosh Initiates

by Duane Marshall

Do you remember your Frosh Initiation? Chances are that you do . . . and chances are that this year's Frosh will also. Hell week is here again.

By the time this appears in print, most of the initiation procedures will be over or winding up and the Frosh will be uttering their thanks to the heavens that there is only a day and a half left.

Initiation procedures are strictly a house affair. Each house makes up its own tasks, costumes and hardships for the Frosh.

The Masters

Most of the time the planning of torture for the freshmen is left to the sophomores, who, still fresh with the wounds of their Frosh year, are eager to do a good job. The one exception is Ricketts, whose sophs elected Dave "Bugsy" Hanna as Grand Exalted whatever. The other houses all have sophs in charge. Fleming has Bruce Wallace in like position, Dabney has Terry Thomas and Blacker's Bill Conner has the whip hand over the Frosh there.

Meal Time Torment

Most houses engage in general torment at the meal table. Frosh are supposed to be able to provide jokes or entertainment at any time. In fact dinner may wind up to be a form of Truth or Consequences type of affair.

The frosh may be asked to sing one of the school songs or to recite **Definition of a Freshman** (a paragraph or two designed to counteract the inflated ego freshmen usually bring back from the student camp.)

Many frosh are required to find out unusual statistics such as anatomical measurements of the secretarial staff or the distance

to the moon in beer cans. In any case the sophs seem to enjoy handing out tasks which are either difficult or impossible and at the same time embarrassing to the frosh.

The . . . Turns

Why do the frosh put up with all this? They don't always. Fleming Sophs were taken back a little when a freshman announced a meeting of frosh to plan strategy against the sophs . . . the sophs hadn't even met to discuss initiation procedures yet!

During the majority of the time, though, the frosh take a licking because they are unorganized while the sophs have already had a year of working together and have more co-operative spirit.

. . . Shall You Know Them

Which are whose frosh where? Fleming has them wearing red-purple dinks, T. S. cards and eggs. Chances are, if you've heard either the labored breathing of the frosh, or the sweet melody of UYF floating over the houses at six in the a.m., Fleming has them out doing cales-thenics or serenading the other houses.

If a frosh enters a building on campus wearing a red bow tie two feet across, he's a Blackerite. Blacker has them carrying beer-can openers and hair parted in the middle. Standard procedure for entering the lounge is to remove their shoes, use the ignoble wooden door and announce themselves loudly as they enter.

"Be Funny" or . . .

Ricketts caters to orange dinks and hell at the dinner table. "You be funny or else," is the order of the week as issued by "Bugsy" Hanna. Frosh were taught the art of war early by being

(Continued on Page 2)

So Long, 'Red Rocket'

Last Sunday Pasadena's picturesque Oak Knoll interurbans were replaced by a fleet of new gray and red GMC "stinkwagons," as a part of the Pacific Electric Railway's present "modernization" program. As far as we can see, the main benefits from this modernization will be slower, bumpier service and another noble contribution to Pasadena's smog content.

Let us examine the arguments which PE and influential Pasadena civic groups have shoved on us in trying to prove to us that we don't need decent transportation to Los Angeles:

Books Juggled

In the first place Pacific Electric claims that it is losing money by operating electric cars. However, it is a little known fact that the Pacific Electric Company does not technically own its own cars—it is paying a daily rental of \$20 per car to the Southern Pacific Company. But since Espee owns PE, no money is actually changing hands even though a terrific deficit is being shown on the books. Another interesting fact is that the president of Pacific Electric owns a controlling share of the stock of White Motor Coach Company—a fact which might have something to do with the original conversion of lines to buses.

Faulty Statements Made by PE

A widely-made statement appearing in Pasadena and L.A. papers was that the Pasadena Short Line was junking its big old inefficient interurban cars and substituting new, modern, one-man equipment. These one-man cars are just as old as the big red cars, the only difference being that the "5050's" were recently overhauled and rebuilt, while maintenance crews have let the better-built interurban cars go completely to the dogs.

The present buses on Lake Ave., which will now have to provide public transportation for many Techmen, can probably be expected to last a maximum of ten or twelve years with good maintenance. However, the "1100" interurbans, used mostly on the Oak Knoll, have withstood 24 years of constant usage with deplorable maintenance. They have all the most modern safety devices and operate mostly over private right-of-way, often exceeding speeds of 60 mph. The buses are routed over pavements which were not built to stand such heavy loads, and which are forbidden to be used by trucks. Also the streets are too narrow in many places for two buses to even pass each other, and with the Pasadena Short Line soon to be converted to buses (the application is in the PUC's hands right now) traffic on Huntington Drive will be greatly fouled up.

Private Interests Oppose Public Needs

A few years ago influential Pasadena civic organizations forced PE to take up most of its safety zones on Lake and Colorado streets. The result of this was that a woman who was getting off a car was hit by a moving automobile—just so a few businessmen could get more parking spaces for customers. These are the same "civic-minded" organizations which forced the abandonment of the "Red Rockets."

PE and Local Propaganda Still Prevalent

A fine example of effective propaganda of PE and the Colorado Lake Business Men's Assoc. was evident on last Monday, when the Oak Knoll Line had its official funeral. Instead of running one of the regular cars on the line, they used the oldest wrecks PE owns—over 60 years old—to show local yokels who had come out for the occasion what kind of public transportation they had never ridden.

Therefore let us look back on the days of the old Oak Knoll cars with a bit of nostalgia, and also let's take a grain of salt as we enter the asphyxiating smog-buggies next time we have to go to L. A.—in a hurry!

Chuck Benjamin

Editorial Note

In last week's Tech, an editorial rebuttal to Barney Engholm's editorial on the U.C. loyalty oath and communism was promised for this week's issue of the Tech. Unfortunately, due to limitations of space, the rebuttal will not be printed this week.

FROSH INITIATION

(Continued from Page 1)
roured to a water fight with Blacker as early as last Thursday. One night, according to plan



Blacker frosh hunt for shoes.

of Ricketts sophs, all the phones in Ricketts rang at once, whereupon a great hullaballo was set up by the UCCs in getting the Frosh to the phone (one of the Frosh duties is answering the phone). Each phone had a Dean Jones on the other end who proceeded to bawl out the quaking Frosh for all the noise coming from Ricketts. Novel, what?

Dabney Frosh are easily recognized by their black top hats, cigars and black bow ties. Pledgmaster Terry Thomas seems to be quite proud of Dabney Frosh for their initiative and growing house spirit. Dabney is thinking seriously of hanging Fleming's President's Bell from the antenna between the Bridges. They don't know what to do with Ricketts' chimers.*

"The Red Badge of Courage"

A Dabney freshman has voyaged out to Scripps with the task of getting the lip prints of the prettiest girl in Browning on his cheeks and bringing back the

ON THE RECORD

By Bill Whitney

Saturday night, hopping aboard a Hollywood-bound bus, we made our way to the El Capitan Theatre, there hoping to discover why Gian-Carl Menotti's "The Medium" and "The Telephone" are still attracting enthusiastic attention after seven hundred performances. After sitting through two hours of intense, expertly executed musical drama, we came away with some of the answers.

Musical Skit

"The Telephone," whose total playing time is something under twenty minutes, is hardly an opera—musical skit would be more precise. The story is of a young man's attempts to propose despite the impertinent interruptions of his loved one's telephone.

Menotti takes what in less competent hands could turn into blase, tiresome repetition and constructs a witty, well-integrated musical comedy. The interlude ends happily, the frustrated hero realizing he must utilize the strength of his enemy if he is to oppose it with success.

Maria D'Attili and Loren Welch as Lucy and Ben are ideally suited to their roles, endless performances seeming not to have dulled their interest in them.

"The Medium" Effective

"The Medium" contains most of the substance of the two productions. A great deal of its strength lies in the story itself, the complete telling of which would rob anyone who might see it (and he should see it!) of some of its effectiveness.

But in recreating the struggle in the mind of the fake spiritual medium who begins to doubt her own skepticism, Menotti has presented us with, at last, a convincing compromise between music

(Continued on Page 4)

CAMPUS BREWINS

Let us now make a fresh beginning and point out that of moral states to be avoided there are three kinds—vice, incontinence, brutishness.

—Nicomachean Ethics.

Scarcely having recovered from his effort of last week, the anguish of being re-initiated, and the dish of soapflakes provided by chef Aloha, the Beak dislodges a piece of horse-radish from his tie and once more proceeds to enthrall his audience with that sure-fire grip which only death or the Selective Service System can dent.

Pardee's Perdition

The event of the week was commonly adjudged to be Pardee's perdition. Mindful of this, shepherd Daily organized an all-male gathering to celebrate the impending event. That evening, the Beak accordingly pulled on a pair of his stoutest espadrilles, and set off towards Mulholland Drive, his cat frisking ahead of him with many a warning cry of "Here comes my master, the Marquis of Carabas!"

The premises were reached without incident, except for an elderly Amish woman hoeing cabbages in her garden. Obviously exhilarated at his impending loss, Pardee was soon seen spitting in the top drawer, and as the evening progressed, the Beak could not but choose to bet his bottom dollar, which is half an inch removed from his top one, that such excess of vice, incontinence, and brutishness would augur ill.

The peasant was married the next day amongst seething multitudes. In the vast array of presents, the Beak, with his customary acumen, espied a plain pine knife-basket, with two compartments and a handle, ideally suitable for mounting on four legs and thus resulting in a little table to sort letters and bills on, and to carry from bedside to garden. This was rumored to be an offering from Billy Drake,

and the Beak stands aghast at such savoir-vivre.

You Understand It?

Increasingly frustrated by the above, the Beak next donned his rough housecoat of hyper-tweed and woven wire, a primrose-yellow muffler tied with studious carelessness, and a silver signet-ring weighing just under four pounds; the Beak, we say, proceeded to sample the bevy of exchange dances which embellished the campus Friday night.

The general reaction produced should most appropriately be termed an emetic one, except for the L.A. YWCA group in Blacker which soon outdistanced all competition.

Hair-raising rumors have since escaped the Snake Pit, and the Beak is breathless at the story of Bates, who returned from a guided tour of the campus shaking like an aspen. As we are told, only his strong heart and swift legs saved him that eve, yet we offer this item for what it may be worth.

Beach, Beach, Beach

On Sunday morning, feeling the need of exercise, the Beak wrapped his woolly muffler snugly about himself and strolled leisurely out to Sunset Beach. With a friendly aloofness, he seated himself comfortably near a mound of wilted, shivering seaweed and, from a distance, surveyed in solitude the progress of the Dabney beach party.

He was dismayed beyond all

The California Tech

Published every Thursday during the college year except during examinations and holiday periods.

California Institute of Technology
1201 East California Street, Pasadena, Cal.
Subscription rates: \$1.50 per year.
Entered as second-class matter Nov. 22, 1947, at the Post Office in Pasadena, California, under the Act of March 3, 1879.
Offices: Lower Flamingo
Telephone: SYcamore 6-7121 Ext. 180

Bob Kurland, Editor

EDITORIAL STAFF

Managing Editor.....Barney Engholm
News Editors.....Duane Marshall
Sports Editors.....Budd LeTourneau
.....Jesse Weil
.....Thorne Butler
Feature Editor.....Bill Whitney
Copy Chief.....Chuck Benjamin
News Staff.....Tony Malanoski, Larry Starr, Ed Pyatt, Stan Groner, Jim La-Tourrette, Al Jackson, Jim Crosby
Sports Staff.....Perry Vartanian, Andy Boush, Ed Welch, Pete Mason
Copy Staff.....Bob Cobb, Don Tierney, Mike Mecherikoff, Ron Ratney, George Moore, Paul Heltrey, Tom Connelly
Special Writers.....Bill Whitney, Ed Matzner, Bob Madden, John Rogers, Duane Marshall, Chuck Benjamin
Photographers.....John Boppert, chief
.....George Stranahan

BUSINESS STAFF

Business Manager.....Charlie Steese
Circulation Manager.....Chuck Walker

conception at what he saw before him — Scrippsdate after Scrippsdate, wallowing in the sands, swimming, volleyballing, their usual air of academic solemnity blown seaward, he supposed. And all this in a vain attempt to make the infinite of miles out to the GWW* seem more worthwhile, somehow. Alas, we see the days of the Everlasting Milkrun returning once again to Dabney. Shades of Muehlberger, et al.

The beer was a little flat, but not too flat. The water was a

(Continued on Page 4)



881 E. Colorado at Lake

HOUSE JACKETS

— AT YOUR

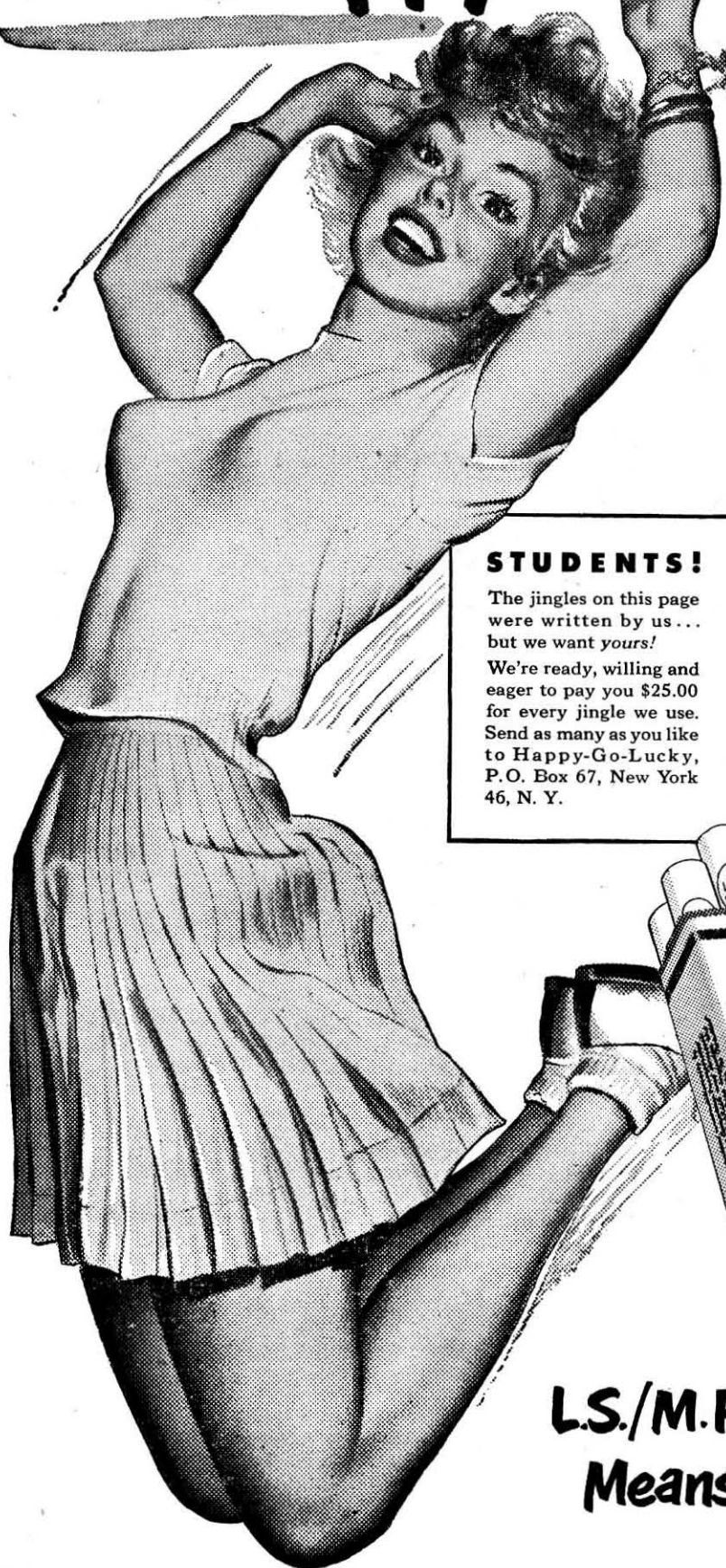
— COLLEGE SHOP



Open Fri. Nights

"Men's Distinctive Fashions"

Be Happy - Go Lucky!



The cheer that really makes our team Fight on to victory Is not "Rah, Rah" or "Sis-Boom-Bah" It's L.S./M.F.T.

Enjoy your cigarette! Enjoy truly fine tobacco that combines both perfect mildness and rich taste in one great cigarette — Lucky Strike!

Perfect mildness? You bet. Scientific tests, confirmed by three independent consulting laboratories, prove that Lucky Strike is milder than any other principal brand. Rich taste? Yes, the full, rich taste of truly fine tobacco.

Only fine tobacco gives you both real mildness and rich taste. And Lucky Strike means fine tobacco. So enjoy the happy blending that combines perfect mildness with a rich, true tobacco taste. Be Happy—Go Lucky!

STUDENTS!

The jingles on this page were written by us... but we want yours!

We're ready, willing and eager to pay you \$25.00 for every jingle we use. Send as many as you like to Happy-Go-Lucky, P.O. Box 67, New York 46, N. Y.

Now college profs are seldom dopes—I'm sure you will agree. And I'm one prof who knows the ropes: It's Lucky Strike for me!

Yes, Luckies get our loudest cheers On campus and on dates. With college gals and college guys A Lucky really rates!

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

BUTTIN' IN

—By BUTLER

After hearing upset after upset last Saturday afternoon, I had hopes for the Beaver eleven come evening. But the Poets lived up to expectations, trouncing the Engineers by a healthy margin.

Whittier Power

"Chief" Newman fielded a big, tough and highly experienced team which should go a long way this season. While not trying to take anything away from the Whittier powerhouse, they are certainly in need of reserves. From where I sat, the Poet bench looked a mile long, but only a few lads got even a chance to warm up. About 15 men performed the Whittier offensive and defensive duties. If the "Chief" plans to repeat as the Conference champ, he will have to find something in his 60-man squad.

New Beavers

The most surprising thing of the evening was the appearance of a fairly polished Engineer eleven. Bert deserves lots of credit for whipping his very inexperienced squad into such fine shape. Everyone, I think, enjoyed watching the Beavers use

Don Garman New Water Polo Coach; Next Game LA State

Practice continued for those long-winded individuals who call themselves water-polo players, under their new coach, Don Garman. There was continued emphasis on passing and shooting plus lots of laps to build up endurance. A few fast scrimmages helped improve team play.

Garman

Don Garman is a man with lots of experience to pass on to his Beaver charges. He played water-polo for four years at Whittier High, a school always noted for their strong swimmers, and put in another two years on the Fullerton J.C. team. Fullerton has long had one of the best teams in Southern California, holding its own against such schools as SC and UCLA.

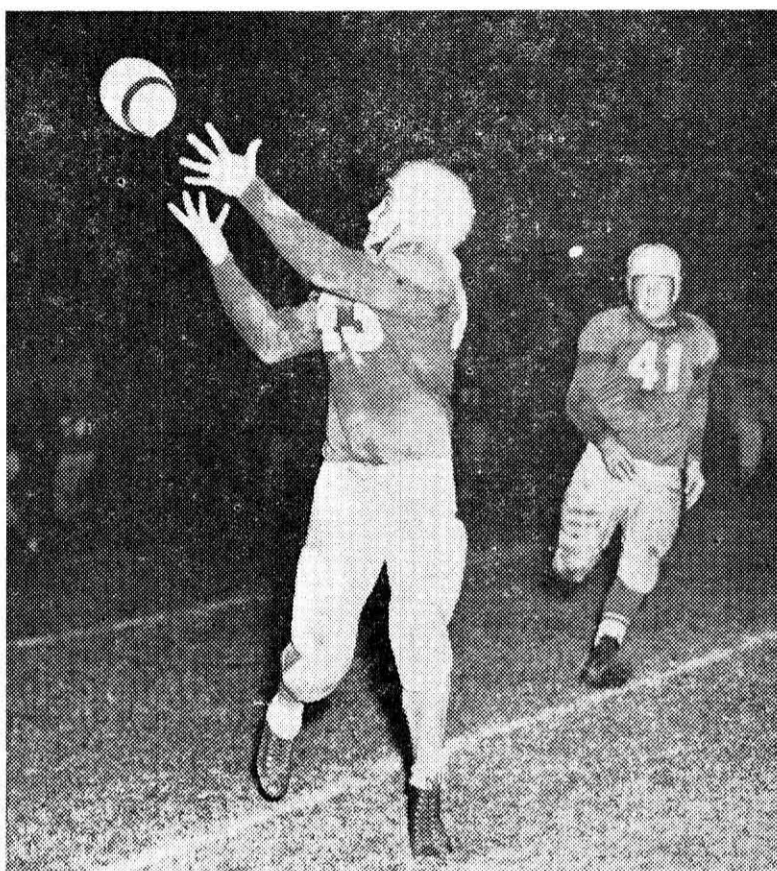
Game

Caltech's first game of the season will be with LA State next Tuesday afternoon at 4:30 in the PCC pool.

a wide variety of plays on both offense and defense. Victories will be few this year, but the Engineers can be counted on to give a good show no matter how
(Continued on Page 4)

Beaver Sports

IN THE CLEAR



Johnny Walker, Caltech's sensational sophomore halfback, snags Karasawa pass during second period touchdown march.

Whittier Runs Over Beavers by 35-7

Siciliano, Pickering Prove Too Much for Undermanned Engineers

Last Saturday, which marked the opening of the SCIC, also marked another defeat of Caltech at the hands of the Whittier Poets last year's champions.

Whittier took the lead early in the first quarter on a 21-yard pass from halfback Tony Siciliano to Jack Pickering, captain of Santa Ana's 1950 Junior Rose Bowl team. Siciliano then raised the score to 14-0 on a 46 yard run over tackle. In the second quarter the Poets again connected, this time on a 12-yard pass.

Tech Score

Caltech then entered into the scoring column. Led by fullback Hal Woody, the Beavers drove 87 yards in 12 plays. Jack Walker hit pay dirt on a 14-yard pass to Don Schmid.

Poets Again

Whittier's last two touchdowns resulted from drives of 26 and 63 yards.

The Beavers threatened again in the last quarter when they traveled 57 yards to the Whittier 17-yard line. However, the Poets recovered a fumble to erase the threat.

Whittier showed a strong aerial attack although they passed only 13 times. Of these 13 passes 7 connected, 3 for pay dirt. The Whittier offensive was led mainly by Jack Pickering and Tony Siciliano.

Drive

Caltech showed a great deal of drive in many spots and "Chief" Newman found it necessary to keep the majority of his first string on the field throughout the game to stop the Beaver attacks.

Aerial

Karasawa led the Caltech aerial offensive, bringing the Beavers out of the hole into playing territory several times and contributing greatly to their fourth quarter threat with two long passes.

Hal Woody led the Beavers' ground offensive, carrying the ball 13 times for an average of
(Continued on Page 4)

Frosh Sports Roundup
by Nick Nicholson

First off, we'll make mention here of the Homecoming Football Game against Oxy Oct. 21. Frosh will be especially interested in it because they are the ones who will do all the work of batting together a bonfire pile and guarding it against all "furriners." Work on this conflagration of epic proportions will start about Monday, so be on the watch for anything combustible. Please, no student house lounge chairs, though.

Gridiron Goods

Frosh football season leads off with a game this Saturday against the Whittier frosh here at Caltech. Game time will be 1 p.m., and you can expect a wide-open game. Whittier has had several weeks' start on us in practice, but 'tis said that their team is mighty weak, so expect anything to happen. There will be more dope on the team and its schedule next week.

Marathoners

Cross-country prospects have dimmed since last week, the team having lost several of its aspirants. The situation is so bad, in fact, that unless more Frosh turn out there may be no
(Continued on Page 4)

SCIC STANDINGS

	W.	L.	Pct.
Whittier	1	0	1.000
Oxy	0	0	.000
Pomona	0	0	.000
Redlands	0	0	.000
Caltech	0	0	.000

PIGSKIN PROGNOSTICATIONS

GAME	ATHLETIC DEPARTMENT		SPORTS STAFF	
	Coach	Hal	Jesse	Thorne
	LaBrucherie	Musselman	Weil	Butler
UCLA Illinois	UCLA 1	Illinois 7	Illinois 14	UCLA 7
Oklahoma AGM SMU	SMU 6	SMU 20	Tie	SMU 2
California SC	California 13	California 14	California 21	California 6
Navy Princeton	Navy 14	Princeton 6	Navy 7	Princeton 2
Iowa Wisconsin	Wisconsin 7	Wisconsin 13	Iowa 14	Wisconsin 12

Darbs, Blacker Win on IH Front

Last Thursday the Darbs humbled Blacker in baseball by the unofficial score of 11-0 and the official score of 2-0. (Game called because of darkness).

Fred Wood pitched a no-hit, no-run game for the Southwesterners, while Al Johnston gave up no hits to the Dabney sluggers.

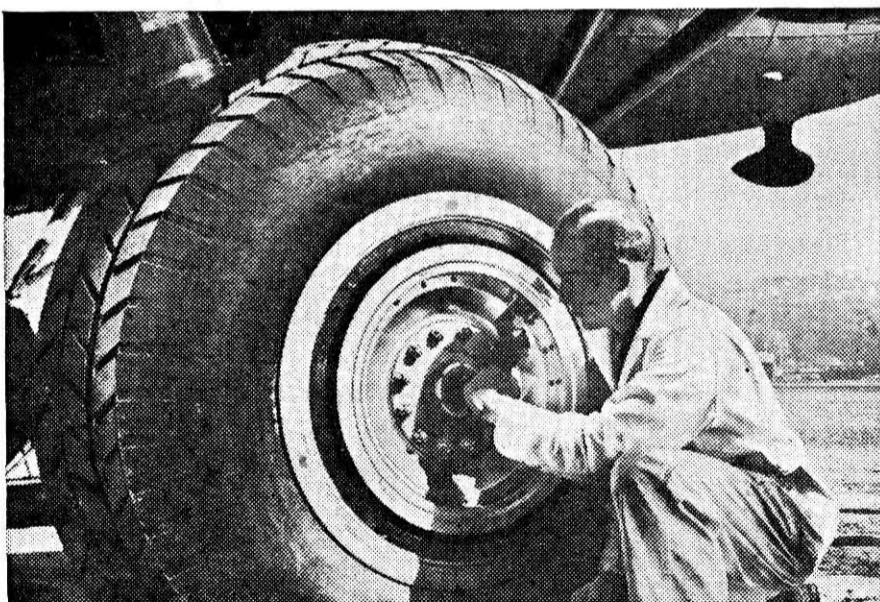
In the first Discobolus contest of the year, Blacker challenged and trounced Fleming 49 to 32 in basketball.

OFF CAMPUS ROOMS
Large Newly Decorated Room
Near Athenaeum
Shower and Tub Baths
Garage SY. 6-8447

Two Self Service Laundries
LAKE AVE. WASH OUT
563 So. Lake Avenue
WASH OUT No. 2
2387 East Washington

THE DU PONT DIGEST

Chemical Research helped produce *Better Tires For You*



The tires on your car right now may have cords of Cordura* High Tenacity Rayon yarn. If so, you benefit from one of the most important contributions that Du Pont scientists have made through the years to the automotive industry.

"Cordura" High Tenacity Rayon is comparable to structural steel in tensile strength. It makes possible tires that are at once lighter, stronger and safer than pre-war tires. Unlike natural fibers, the qualities of this product of chemical science are always uniform.

UNDIES TO TIRES

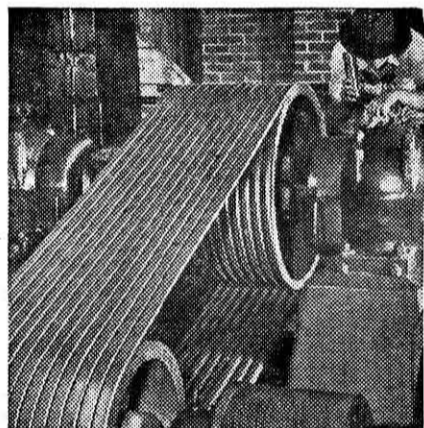
At first, rayon was used mainly in making articles of clothing. However, with an improved tire cord in mind, Du Pont scientists set out to produce a tougher rayon than any previously known. The problem was given to a

skilled team whose members included organic, physical and analytical chemists, physicists, and chemical and mechanical engineers.

One of their first discoveries was that strength could be increased by using cotton linters as the source of cellulose, in place of wood pulp. It was found, also, that the viscose solution had to be prepared and handled with extreme care. Perhaps the most important lesson was one which the silkworm had taught centuries before: *stretching increases strength*. The Du Pont experimenters stretched the new yarn and made rayon with a tensile strength of about 70,000 pounds to the square inch—more than twice the strength of textile rayon then being produced.

TRIED AND PROVED

With the cooperation of tire manu-



V-belts of "Cordura" and rubber keep even tension, far outlast others.

facturers, "Cordura" was tested in heavy-duty tires on baking-hot desert roads. During the war it proved itself on command cars, trucks and jeeps. Today, rayon-cord tires are widely used on trucks and buses, and leading manufacturers use Du Pont "Cordura" in tires they make for passenger cars.

The combination of lightness and strength offered by "Cordura" has also earned it a welcome from makers of conveyor belts, V-belts and hose for domestic, agricultural and industrial uses. It is used to reinforce laminated kraft paper, to tie wires to electrical switchboards and as a chain warp in carpets to bind the wool tufts firmly in place. One of the newest uses is in plastic clotheslines. The Du Pont Company makes none of these articles. But because Du Pont scientists had an idea and the facilities and funds to develop it, many businesses can now offer you better products to make life safer and more enjoyable.

*REG. U. S. PAT. OFF.

SEND FOR "The Story of Cellulose," a 43-page, illustrated booklet that describes the making of viscose and acetate rayon, lacquers, plastics, coated fabrics, etc. Many charts and equations. For free copy, write to the Du Pont Company, 2503 Nemours Building, Wilmington, Delaware.



BETTER THINGS FOR BETTER LIVING
... THROUGH CHEMISTRY

Great Dramatic Entertainment—Tune in "Cavalcade of America" Tuesday Nights, NBC Coast to Coast

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

PASADENA BOWLING COURTS
970 East Colorado
Headquarters of Caltech Bowlers
Open 11 a.m. to 1 a.m. SY. 3-1341
Special Student Rate before 6 P.M.
except Saturday, Sunday, and Holidays
20c Per Line

YOUR COLLEGE SPORTS SHOP
Headquarters for Tennis Sportswear
WYNN MACE
Tennis Shop
Phone SYcamore 6-5804
904 EAST CALIFORNIA ST.
Pasadena, Calif.

YOUR COLLEGE RECORD SHOP
Headquarters for the best selections in
RECORDS - RADIOS TELEVISION
L. C. TAYLOR CO.
145 N. Lake Sy. 2-5107
Open Evenings



"He simply goes to pieces when I forget the Angostura" in his Manhattans!"

ANGOSTURA.
AROMATIC BITTERS

MAKES BETTER DRINKS

*You know what zest and tang Angostura adds to Manhattans. But do you know the piquant difference Angostura makes in soups, salads?

Ice Skating

Daily 2:30 to 5, 7:45 to 10:45
Sat. & Sun. Morn. 10 to 12:30
Skates for Rent
Instructions
Beginners Welcome
Pasadena Winter Gardens
171 South Arroyo Pkwy.
SY. 2-3331 RY. 1-6066

On Laundry Day

LOOK FOR ONE OF THESE MEN

Ricketts—Rich Smyth • Dabney—Don Vogel
Fleming—John Marion, Al Pitton • Blacker—Ken Lunan

He Is Our Representative in Your House

Speedway Laundry

EXPERT LAUNDRY SERVICE

CAMPUS BREWINS

(Continued from Page 2)
 little cold, but not too cold. Stockebrand, his girl, and his inflated inner tube seemed to be having quite a party, T. S., his mind ever at work, having invented a new game. They all looked quite happy, bouncing around out there in the sea.
 Not without a slight touch of awe and respect, the Beak noted the presence of D. John Whittlesey, soldier of fortune and, of late, Dabney's gift to the world of dianeticists. It seems D. John this summer treated himself to the 28-weeks' course (at \$500) and is now occupying his time tracing prenatal Engrams.
 The Beak lay back, after his encounter with this man of the world, and tried to conjure up some subtle remembrances of his own bicellular past, but was brought back to the rude present by an inquisitive, cold something or other.
 It turned out to be a nose, belonging to a gangling, awkward retriever, obviously looking for somebody to throw something

for him to retrieve. Shocked by the Beak's disdainful look, Rover wandered over to Terry Thomas and date, discussing nose-to-nose some interesting political implications of the Korean situation, no doubt.
Water, Water, Everywhere
 Another thorn in the Beak's flank was afforded by the multitudinous veal-faced adolescents our Registrar has seen fit to plague us with, and whose main occupation (the adolescents') appears to be to transfer hods of water from place to place. All four houses are still ringing with martial screams and battle-clang, and the more vociferous elements are riding high.
 The hour is advanced, and since all but the most beef-witted readers must be plagued with migraine by now, the Beak desists, but, believe us, it takes no particular editorial flair to recognize in this, the hottest publication on campus, and any fault found lies strictly with the gentle reader.
 *Great White Wall—actually dirty gray. Ed.

WHITTIER RUNS OVER

(Continued from Page 3)
 4.87 yards.
 Statistics:

	Caltech	Whittier
Yards rushing	78	316
Yds. lost rushing	42	17
Net yds. rushing	36	299
Yds. passing	150	95
Total net yds.	186	394
Passes intercepted	3	1
Lost ball on fumbles	1	1
Punt average	32	27
Yards penalized	10	35

Scoring by quarters
 Caltech 0 7 0 0 Final 7
 Whittier 14 7 14 0 Final 35
 Lineups:

Caltech	Whittier	Caltech
Chandler	REL	Schmid
Stoll	RTL	Muehlburger
Craven	RGL	Reed
Gota	C	Hanna
Brandon	LGR	Peck
Rothrock	LTR	Tallman
Porter	LER	Moore
Pickering	Q	Marshall
Siciliano	LHR	Karasawa
Stoecklein	RHL	Walker
Reed	F	Woody

ASME PREXY

(Continued from Page 1)
 Eastside brewery, an aircraft plant, the Kaiser Steel plant at Fontana and Beckman Instruments Corp., in South Pasadena.
 Talks will be arranged to include one by a patent attorney, an industrial designer, a precision instrument manufacturer, and, towards the end of the year, a talk on the pros and cons of engineering registration.

ON THE RECORD

(Continued from Page 2)
 and drama. If one or the other of the two components were missing, the effectiveness of the whole would be seriously impaired, if not destroyed altogether.
 The dramatic situations are, in most instances, not overdrawn. Although sometimes thin and lacking real substance, the music is superbly tailored to fit the action emotionally.
 Often, we thought the fourteen piece orchestra was of inadequate size to convey the full intensity of the situations to the audience, but technically, under the direction of William McDermott, it was a well-coordinated and capable orchestra.

Principals Well Cast

Mary Davenport as Madame Flora, Evelyn Keller as Monica, and Ted Barnett as Toby are excellently cast. Mary Davenport has a powerful, well-modulated contralto which suited her role exactly. Miss Keller was often difficult to understand, but other aspects of her singing and her acting made up for any defects of enunciation. Ted Barnett's dancing depicted the tortured existence of the mute Toby as neither words nor music could.
 Menotti seems to be bringing to the American stage something

FROSH SPORTS ROUNDUP

(Continued from Page 3)
 team. Let's see all you long-winded Frosh (and there should be plenty, judging by the noise you make) trot out and see Coach Jack Marshall so we'll be able to put up some competition at the meets. Frosh cross-country runs will be held, by the way, following the varsity runs.
Watery Mayhem
 Though no games have yet been lined up for the Frosh water-polo team, it should provide plenty of action when it enters the water. Don Garman, formerly with the Fullerton J.C. team, is now coaching both varsity and frosh in the proper tactics to be used in putting their opponent out of action without drowning him. Watch for these water polo meets, they should be good.

which has been long in the process of developing—mature, substantial American opera. It can only be hoped that the lead he has taken will be followed by others.
San Francisco Opera
 Speaking of opera reminds us that the San Francisco opera season will begin late in October. Starting next Thursday, weekly schedules will be included in **The Tech** concerning these operas and other concert series in the Los Angeles-Pasadena area. If anyone has questions about specific details concerning these concerts, he should see Bill Whitney, Room 11, Dabney.

BUTTIN' IN

(Continued from Page 3)
 tough the sledding.
Rooters
 The large numbers of highly spirited Tech rooters that showed up at Whittier was most gratifying. It has been indeed a rare occasion when a Tech crowd has screamed their lungs out even when the cause was totally lost.
 After Oxy's victory over Santa Barbara last Friday, the Bengals look like the team to beat in the SCIC. A couple of snappy backs and a terrific defensive line have given Coach Dennis a powerful eleven.

Gym

The need of a gym becomes more and more apparent every year. With the basketball season almost around the corner, Mr. Musselman is again worried if the Armory will be available for Coach Shy's five. With all the other conference schools announcing the start of basketball practice next week, the disadvantage at which the Beavers are placed with practice still three weeks away is obvious. The gym question has been discussed thoroughly, but I know everyone interested in Tech sports can hardly wait for the day when it will be built.

Frosh Game

Remember the Frosh game with Whittier at 2 p.m. at Tournament Park this Saturday. The word is that a Tech victory is very likely. Drop around, you might be surprised.

Do We Have ARROWS?
AND HOW!!!



A Wide Selection of Arrow Sports Shirts... Comfortable... Rugged... Right for Campus Wear!

Brother... whatever your preference, it's here in an Arrow. Rugged Corduroys... rich Gabardines with smart saddle-stitching detail... and lively checks and plaids. All washable. All excellent buys. See them here today! **\$3.95 up**

HOTALING'S
 921 EAST COLORADO ST.
 Free Parking Rear of Store
 FOR ARROW UNIVERSITY STYLES



WASHABLE... COMFORTABLE... HANDSOME...

Arrow Sports Shirts

For all-round campus wear... best choice is an Arrow. They're made to fit comfortably and to give you long rugged wear. Corduroys, gabardines, colorful checks and plaids... all washable! See your Arrow dealer. **\$3.95 to \$10**

ARROW SHIRTS & TIES
 UNDERWEAR • HANDKERCHIEFS • SPORTS SHIRTS

WHEN YOU ARE HUNGRY WHEN YOU ARE THIRSTY or WHEN YOU JUST NEED RELAXATION IT'S THE SKIP INN
 Beer - Plate Lunches
 1352 E. WALNUT
 Open Till 2 A.M.

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

Clothes Need Cleaning?
 Have Your Clothes Ready Monday Evening When Our Representative Will Call

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

SAVETZ
 CLEANERS and TAILORS

Watches & Jewelry

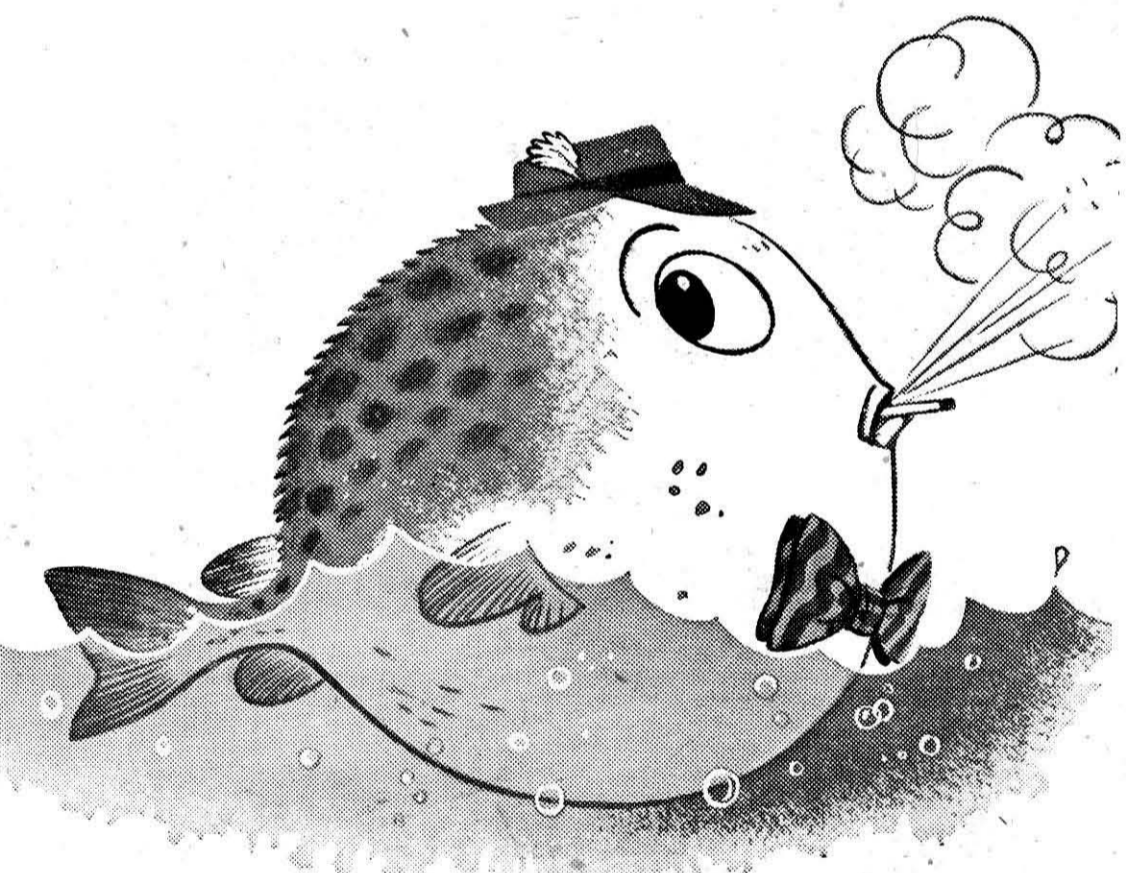
- Nationally Advertised Watches
- All Types of Watches Repaired
- Fine Diamonds
- Diamond Setting Done
- All Types Jewelry Repair

10% DISCOUNT on Merchandise to **CALTECH** Students and Personnel

WIN LYONS JEWELRY CO.
 742 East Colorado
 SYcamore 3-2667

CAMPUS BARBER SHOP
 In Old Dorm
 Also Agent for LAUNDRY & DRY CLEANING

Campus Interviews on Cigarette Tests
Number 2...THE BLOW FISH



"Shucks—I blew in when I should've blown out!"

Pity the poor Piscis! He's been making all those trick cigarette tests you've been reading about! He's taken one puff of this brand — one sniff of that. A quick inhale of cigarette "A" — a fast exhale of cigarette "B" — and he's still confused! Seriously, isn't the sensible way to test a cigarette to smoke pack after pack, day after day?

That's the test Camel asks you to make — the 30-Day Mildness Test. Smoke Camels — and only Camels — regularly for 30 days. Your "T-Zone" (T for Throat and T for Taste) — is the real proving ground for any cigarette. After you've tried Camels as your regular smoke, you'll know why...

More People Smoke Camels than any other cigarette!

