

Five Girls Compete For Queen Title



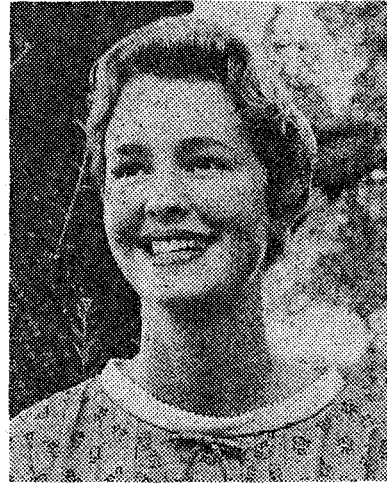
Sue Tangen



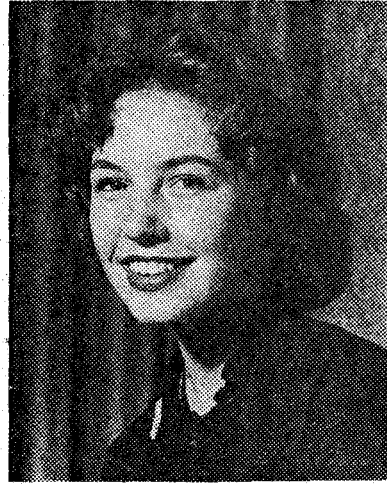
Natalie Johnson



Judy Rockley



Heather Goss



Georgia Jones

Homecoming Queen will be chosen next Thursday in a special student body election. The five candidates, Natalie Johnson, Heather Goss, Judy Rockley, Georgia Jones and Sue Tangen, will visit and eat at the Student Houses until then. The winner will be presented during halftime at the homecoming game a week from Saturday.

Natalie Johnson

Brown-haired Natalie Johnson lists her entertainment favorites as skiing, surfing and dancing the Charleston. A sophomore art (interior design) major at

PCC and a member of Alphameta sorority, she was picked by the Chi Tau Lambda fraternity as their queen for this school year. Natalie, though a first-time queen candidate, is not a stranger to Tech, having served refreshments for the Glee Club and attended a party or two and the Frosh Tea Dance.

Heather Goss

Tennis and horseback riding are favorite activities with Heather Goss. In her spare time she studies elementary education at PCC. Next year she hopes to attend the University

of California at Berkeley. She also likes foreign languages. Two summers ago she traveled in Mexico, ostensibly practicing her Spanish. Last summer she spent on the beach at St. Malo. Does she like boys? "Yeh." And Tech? "You bet," she said. "When can I join?"

Judy Rockley

First seen around Tech last spring, Judy Rockley has since become an almost permanent fixture. She is presently one of the valiant school cheerleaders, rooting for our teams to score some points. Judy is in her last year at PCC, where she is an

illustration art major. She also works here on campus in 136 Bridge. Next year she hopes to attend Syracuse University, "where there's a good football team."

Sue Tangen

Sue Tangen, a senior at Pasadena High School, is currently modeling at the auto show. A natural blond, she stands five-five in her stocking feet.

Sue's interests include surfing and chess-playing, each of which she sums up with "it's a ball." Originally an Alhambra, she intends to go on

to Sawyer's Business College, there to study business.

Georgia Jones

Miss Georgia Jones, six weeks removed from Okieland, describes herself as the "spur of the moment type." (Modern girls are so frank.) Frenetically vivacious, she pursues a dazzling variety of Scripps' activities: Anthropology, archaeology, the ballet and shocking people (mostly with her Tulsa accent, which she'll turn on full blast for those who think there's only oil and Indians in Oklahoma).

The California Tech

Associated Students of the California Institute of Technology

Volume LXI

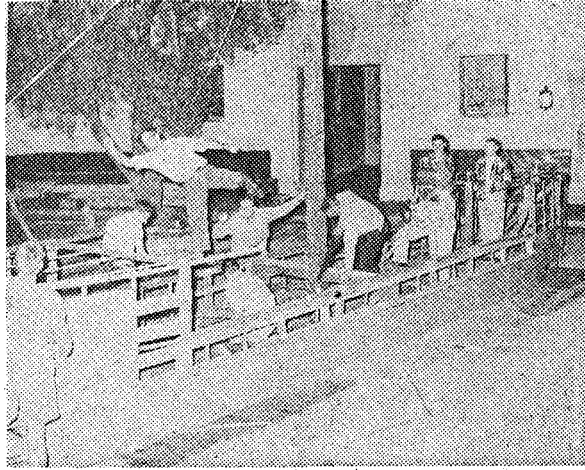
Pasadena, California, Thursday, November 12, 1959

Number 8

With 57 Hours To Go . . .



Carl Rovainen, left, sketches out a mural for Ricketts and a group of Blacker boys led by handsome Hugh Keiffer, left of right hand picture, work on boat as the Houses hustle decorations for Saturday's Interhouse Dance. The dance is sched-



uled to begin at 9 p.m. Blacker's theme is Ulysses and the Cyclops; Ricketts, Modern Art; Fleming, Teahouse of the August Moon; Dabney, ski scene; and Throop, Edgar Allen Poe.

YMCA Drive Sets \$2050 Goal; Solicitors to March Next Week

Nearly 150 solicitors will go into action on campus next week for the 1959 YMCA Finance Drive. They will contact every Tech student, graduate and undergraduate in an effort to surpass the \$2050 goal which has been set.

"Each dollar that is contributed by students is matched by ten dollars from the Y's other sources of income and comes back to the student in the Y program," said Y treasurer Robert Nason.

"This year we would like feedback from the students on the program — what is liked, program suggestions and general comments. The space on the back of the cards is for this purpose."

Some of the major programs planned for the Y this year are:

Continuation of the famous Leaders of America Program,

with half week visits by James Reston, star correspondent of the New York Times; Carl Rodgers, outstanding psychiatrist, and Norman Cousins, editor, Saturday Review.

Film series and cultural evening programs.

Work projects, debates and evening programs in the field of public affairs.

Visiting theologian Otwell of PSR; and another Scripps-Caltech student faculty conference.

The regular programs of the Y include the Freshman, Undergraduate, Graduate and Athenaeum Lunch Forums, with average weekly attendance over 200; several discussions groups, and participation in Asilomar and other intercollegiate conferences.

Contributions may be made by cash or pledge.

Debaters Score At LACC

Two Caltech debate teams were awarded superior ratings by the judges at a practice tournament held last week end at Los Angeles City College. Receiving the awards were the teams of Gary Lorden and Bill Cohen, junior men's division, and Dave Jefferson and Kip Thorne, senior men. Cohen and Lorden also received medals for going undefeated in four rounds.

Also attending the tournament were the teams of Barry McCoy-Dick Robertson and Rog Noll-Lance Taylor.

Announcements

FILM SERIES

The YMCA Film Series will feature experimental movies Sunday at 7:30 p.m. in Culbertson.

Rotation Confab Finds Little New

BY JOHN TODOROFF

No new rotation plans and few new criticisms of the four existing suggestions arose from the student body meeting Monday. A second meeting, to give more attention to the questions of upperclass population of the new houses next fall, will be held next Monday, 7:30 p.m., in Dabney Hall lounge.

Almost one-fourth of the undergraduates attended the first meeting, conducted by the New Student House Committee.

A questionnaire prepared by the committee will be distributed this week end, seeking to determine the student body preference among the proposals of long rotation (six weeks), short rotation (one day in each house), partial rotation (visiting only three houses), and an elimination of rotation.

Decision by Christmas

The committee hopes to submit a recommendation of one of the plans, with a minority report if necessary, to the IHC before the end of first term. If the IHC approves the report, it will be forwarded as the student body preference to the Faculty Student House Committee, which will then decide the form of rotation early in second term.

The poll will also seek data on the number of present house residents desiring to move into a new house.

Questions of upperclass population to be considered include whether next year's seniors and present non-resident and social members should be included in any forced drawing that might

become necessary to equalize membership in the new houses as to class and present house affiliation, whether Throop Club should be moved intact into one new house, and whether present house members should be permitted to move permanently into another old house.

Monday's discussion centered principally on the pros and cons of eliminating rotation with most speakers appearing to have reached decisions based on a consideration of only small facets of the question.

Only minor comparisons of the no-rotation plan to the three forms of rotation proposed by the committee were raised. There arose no attempt to compare the three proposed forms of rotation with each other.

Where Dorms Good?

Points raised against rotation were widely varied, but a suggestion by Brad Efron that the proponents of a dorm system discuss a school where the dorm system has proved better than the Caltech house system remained unanswered. Tom Jovin felt that the new houses should be given a chance to start free from a pressure to form a house "line" and "character" to conform and compete with the four established houses.

Tom also noted that it would always be possible to return to a rotation system a few years later. He asked whether forcing a frosh to choose among seven different houses in one week wouldn't be more detrimental to the start of his college life than

(Continued on page 6)

Two Sides

Monday night's new Student Houses discussion saw the arguments centered around two of the proposed rotation plans—no rotation for at least a year and perpetuation of basically the present system. We present here the general arguments favoring each of the plans.

NO ROTATION

The new houses need flexibility. The mechanics of establishing three new houses will be complicated. Forcing them to adopt a rotation scheme and/or "line" would inhibit a natural process of development.

No-rotation has worked in the past. Past experiments with no-rotation indicated that houses did not lose their individual characteristics or demoralize. The question is one of maintaining constructive houses' differences while eliminating unnecessary barriers. No-rotation does not necessarily imply a dormitory system.

A void is created. In the interests of enhanced contact between members of the various houses (essentially the whole student body), new programs could be instituted: whole school mixers, interhouse organization of and participation in social events, dinner exchanges, term residence exchanges. The new student center will also serve as a focal point for student activity.

What is arbitrary? Forcing frosh to decide between seven groups of one hundred fellows on the basis of one or a few days with each is hardly less arbitrary than carefully distributing them as to effect a good cross-section among the houses.

Much time is saved. Both the upperclassmen and frosh could start off the academic year without two strikes against them.

Frosh are given genuine introduction to Tech. Instead of meeting the frosh with superficial, rotation attitudes, the student body would receive them as welcome additions to the Tech community.

Experiment is good. After twelve years of uninterrupted rotation, dropping it for one year would offer a good opportunity to review many aspects of student life past and present and allow the new houses to integrate into the Caltech system with the least amount of pressure. After a year, rotation schemes could be considered on a far more rational basis. TOM JOVIN

"SHORT" ROTATION

Rotation allows freedom of choice for both frosh and upperclassmen. A man is given the opportunity to live, to eat, and to study with his friends—both in his own class and in other classes. In making an intelligent choice it is not necessary that a freshman know a large number of the men in the House he chooses; it is not necessary that he be aware of the House's "true character." A reasonable choice is made on the basis of individuals met in high school, before camp or during rotation.

Rotation builds House spirit. Acquiring a scientific education is not the only reason a man comes to Caltech. The process that makes an adult out of a high school kid is a complex one. The contributions made to this process by the Student Houses are, for the most part, valuable. House spirit, House pride, interhouse competition are the factors that make Houses out of dormitories. Rotation is an integral part of these things.

The three new Houses will contribute to the lessening of tensions created by rotation. Everybody realizes and admits that these tensions exist. The fact that the new Houses will not have time to organize a "line" will mean that less emphasis will be placed on the House "characters" and more on the individual members. The simple recognition of the undesirability of these tensions will tend to eliminate them.

No-rotation has not worked in the past. In fact, it has not even been tried for significant lengths of time in the form being proposed. The freshmen were not distributed evenly among the Houses. All the athletes were assigned to Fleming, and so on, thereby retaining the Houses' character.

CLEVE MOLER

The California Tech

Second Class postage paid at Pasadena, California
Printed by Bickley Printing Co.

Represented nationally by National Advertising Service, Inc.
Subscriptions: \$1.00 per term, \$2.50 per year. Write: Circulation Manager,
The California Tech, 1201 East California Blvd., Pasadena, California.

audrey p. franklin presents

The phenomenal satire of Harvard's

Tom LEHRER

"Chas. Addams of Music"

Thursday, Nov. 12, 8:30 p.m.

The beautiful Santa Monica Civic Auditorium
2nd and Pico

Tickets on sale at Bowling Music, 712 E. Colo. or
any Mutual Ticket Agency

Mudeo Contestants Seek Sorenson

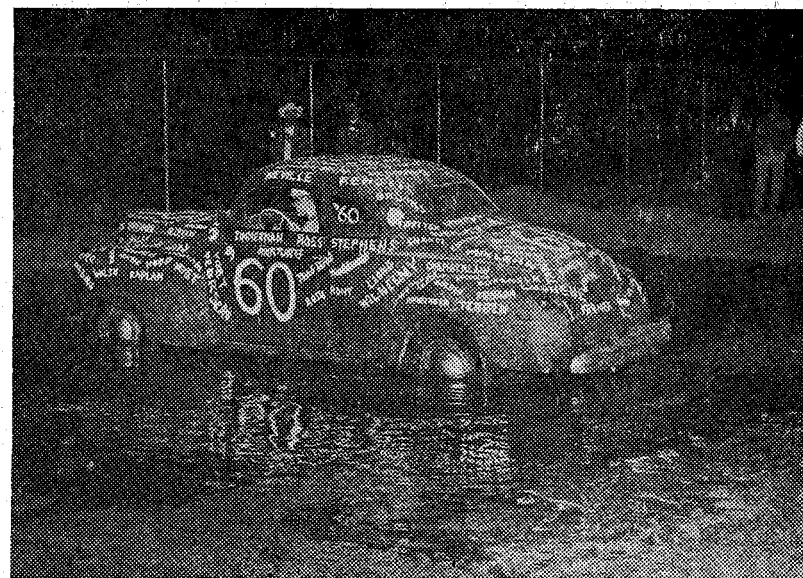
Frosh, Sophs Tied After Four Events

BY WALLACE YERBOVSKY

The 1959 Mudeo was still in progress as the Tech went to press Wednesday noon. The score stood at two points for the sophomores and two points for the freshmen, with the fifth event, throwing senior class president Jim Sorenson into the mud pit, still in process.

The frosh won the tug-of-war and tire spree events, with the sophomores evening the count in the sack race and horse-and-rider contest. Chief judges Stan Sajdera, junior class president, and Chuck Ray, junior class athletic manager, created the fifth event to eliminate the tie. Sorenson has not been seen on campus by any freshmen or sophomores since.

A group of seniors are claiming a fourth consecutive victory for the class of '60, since they threw frosh president Ron Drwinga and sophomore prexy Carl Hamilton into the mud pit Tuesday night. Hamilton and Drwinga were lured to fake class meetings, arranged by the seniors, and then hustled into



Jim Sorenson grinds his way into depths of mud pit in attempt to win Mudeo for fourth straight year.

cars and driven to Tournament Park.

The seniors also claim to have found Sorenson and gotten him at least a little bit muddy. Reputed photographic evidence of this fete was lacking, however, as we went to press.

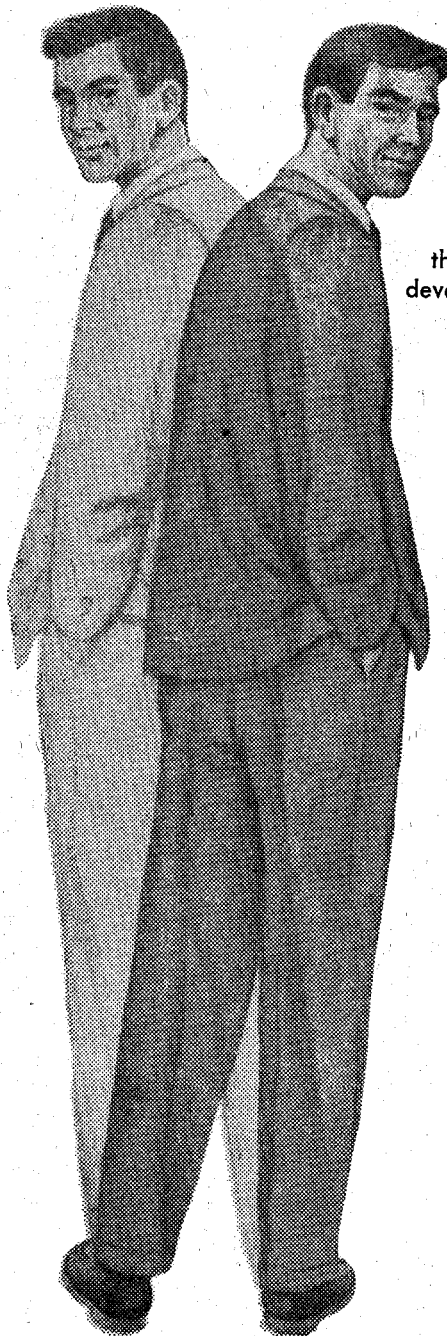
Monday night another group of seniors, apparently led by Sorenson, purchased an old car, painted it with the names of all members of the senior class, and drove it into the mudeo pit. The

seniors, however, removed it and the first four events were held as scheduled.

The present senior class won the mudeo its frosh and soph years and then was credited with at least a moral victory last year as they called the Mudeo off.

When either the freshmen or sophomores are finally judged the winners, the other class will foot the bill for the third-term frosh-soph dance. BFD.

MEN ...who are Engineers, look twice at the many advantages CONVAIR-POMONA offers



NEW PROGRAMS at Convair-Pomona, offer excellent opportunities today for Engineers. Convair-Pomona, created the Army's newest weapon, REDEYE, Shoulder Fired MISSILE and developed the Navy's ADVANCED TERRIER and TARTAR MISSILES.

Many other, still highly classified programs, stimulating the imagination of the most progressive thinking scientist and engineer are presently at various stages of development.

Positions are open for experienced and inexperienced Bachelors, Masters and Doctorates in the fields of Electronics, Aeronautics, Mechanics and Physics.

ADVANCEMENT opportunities are provided for the competent engineer as rapidly as his capabilities will permit in currently expanding programs.

PROFESSIONAL ENVIRONMENT—CONVAIR-POMONA'S facility is of modern design and completely air-conditioned. You will work with men who have pioneered the missile industry and are now engaged in some of the most advanced programs in existence.

ADVANCED EDUCATION—Tuition refund is provided for graduate work in the field of your specialty. Company sponsored in-plant training courses offer the Engineer the finest of educational opportunities.

CALIFORNIA LIVING—Suburban Pomona offers lower living costs and moderate priced property, unexcelled recreational facilities, freedom from rush hour traffic and the ultimate in comfort and gracious living.

Contact your placement office immediately to assure yourself of a campus interview with Convair-Pomona, November 19th. If personal interview is not possible send resume and grade transcript to B. L. Dixon, Engineering Personnel Administrator, Dept. CN-419 Pomona, California.

CONVAIR/POMONA
a Division of

GENERAL DYNAMICS CORPORATION
POMONA, CALIFORNIA

Jovin's Eighty Days Around The World

BY TOM JOVIN

Hong Kong in July is a rainy place, and the innumerable drops that fall upon Victoria Island, Kowloon and the New Territories seem to have the unusual property of turning into people and hungry mouths.

For to a great extent, Hong Kong today can be summarized in one word, "people," and these of a special kind, refugees. Space doesn't permit me to give a tourist view of this unique British colony, and anyway I didn't see it as a tourist. But with the help of some old hands in China — particularly Harry Brunger, director of the Chinese YMCA — I did get a glimpse of how over three million people exist and multiply on this diminutive plot of land.

When the Commies took over in 1949, there was a fantastic inflow of refugees into the port colony of Hong Kong — fig-

ures average about 10,000 a month. In the 10 years since then, the overpopulation problem has become so acute that the British colonial government has been forced to limit official inflow to a figure equal to the number of Chinese leaving Hong Kong.

Still, however, countless escapees from Red China arrive every day, hidden below the decks of the infinitude of sampans. It is a credit to the government that residence permits are given with no questions asked at a time when they face the concurrent problem of a 80,000-yearly increase of births

over deaths.

So how does the average Chinese inhabitant of Hong Kong live? In the tenement areas one finds dilapidated buildings divided into three or four vertical "compartments." Their size is comparable to that of a student house room and constitute the space where 20-40 people perform all the functions of daily existence. Small wonder that the tuberculosis rate is well over 90 per cent. Also small wonder that out of 10 births, four or five survive.

In addition, over 250,000 people live as illegal squatters on the roofs of these buildings, without a water supply and facing the continuous problem of

being washed off during the next hard storm.

In a desperate attempt to alleviate the population pressure, the government has been erecting huge seven-story apartment buildings, each containing about 300 rooms and housing 2400 people. On the roof of each of these "resettlement areas" is a room where all the educational and social activities for the children are carried out. Organi-

zations like the Y and various church groups administer these. Incidentally, each room rents for about \$2.50 per month.

A good index as to the socio-economic situations these conditions lead to is the status of the prostitution business, a thriving one at Hong Kong, home of the Seventh Fleet. Walking about the red light section of Kowloon, one finds innumerable

(Continued on page 4)

WANTED: Used Mandolin
L. Nordell, Ricketts

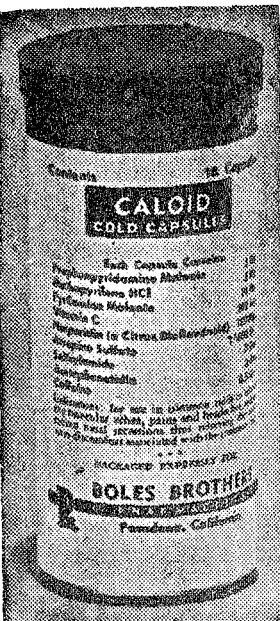
Edwin Pearl Presents

LEON BIBB

BROWNIE MCGHEE and BLIND SONNY TERRY
"THE FINEST BLUES SINGERS IN AMERICA"
"JOHN S. WILSON" "THE NEW YORK TIMES"
THE ASH GROVE CONCERT CABARET
8162 Melrose
Res. OL 3-9233
OL 3-7892

Mon. Nite Jazz Sessions
Buddy Collette's Quintet

Drugs Sundries Cosmetics Tobaccos
CALIFORNIA REXALL
PHARMACY
555 S. Lake SY 2-3156
Breakfast Lunch Dinner



A FIRST FOR COLDS GRIPPE FLU HAY FEVER HEAD-ACHE

Thousands Have Taken Caloids With Excellent Results

Guaranteed Satisfactory or your money back

New Improved — Trial Size 98c
Reg. Size \$1.49 Family Pkg. \$3.49
Professional Size \$6.25
Different and Effective - Ask for CALOIDS
555 South Lake 882 E. California Blvd.

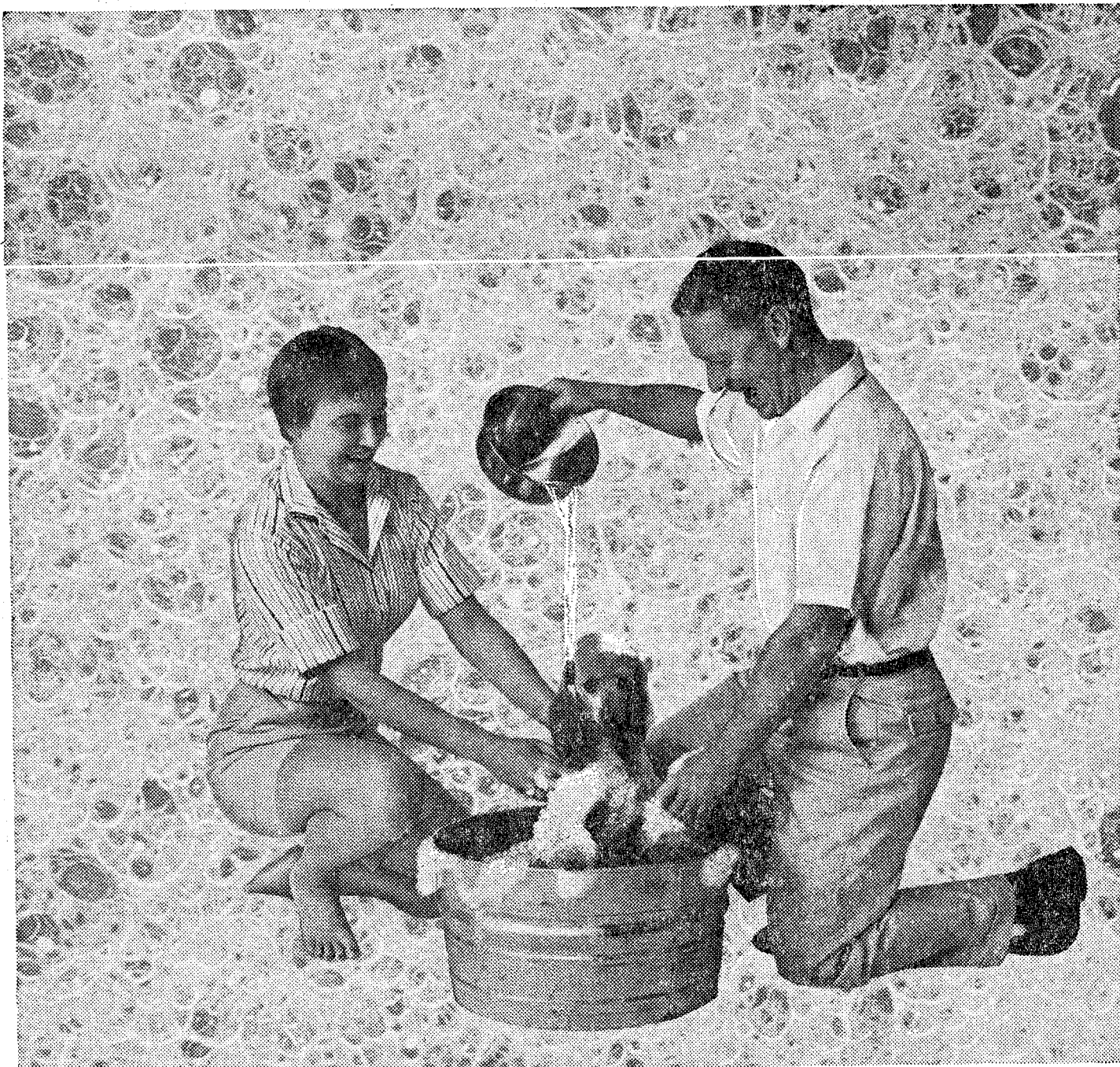


Sheraton Hotels
STUDENT-FACULTY DISCOUNTS

Here's money-saving news for students, faculty and all other college personnel. During weekends and college vacations, Sheraton offers you special low rates — even lower rates when two or more occupy the same room. Special group rates are provided for athletic teams, clubs, other college organizations.

You get these discounts at any of Sheraton's 54 hotels in the U.S.A., Hawaii and Canada. Just present your Sheraton I.D. card when you register. To get a Sheraton I.D. card, contact:

Mr. Pat Green
College Relations Dept.
Sheraton Corp.
470 Atlantic Ave.
Boston, Mass.



Standard Oiler Jack Sindall, and wife Carolyn, introduce their silver poodle to the sparkling wonders of modern detergents.

From deep in the earth...the world's best cleaners

Less than 15 years ago, the first package of modern detergent was sold to a dubious housewife. Today, two-thirds of the nation's cleaning is done by synthetic detergents.

This has been made possible by a chemical ingredient found in petroleum. Standard pioneered production of this substance and today produces more than half of all that is used in the United States.*

As every woman knows, synthetics can do any cleaning job better. They make water "wetter,"

have greater cleaning power, cause dirt to come out fast and float away.

Detergents work in hard or cold water, leave no scum or bathtub ring, and allow dishes to drain sparkling dry.

To make detergents even better, our scientists are continually testing new formulas, which they try out on stacks of dishes, bundles of scientifically soiled laundry samples, piles of dirty white shirts.

As a result, the detergents you use get better every year. And they become useful in more and more ways, from washing railroad cars to making water wetter for fighting fires.

In this way, by continually working to bring you better products . . . the people at Standard are planning ahead to serve you better.

*through our wholly-owned subsidiary, Oronite Chemical Company

STANDARD OIL COMPANY OF CALIFORNIA



**BRIGHT LIGHTS . . .
COFFEE . . .
. . . AND SHOES**

by griffen



Dear Axelrod:

You can't imagine how things have changed! It isn't just that Mike Godfrey is gone and somebody already put hundreds of dollars worth in the pool; it's just the general feeling. You could say that it started when Joel Yellin told me about this girl at Scripps College — I mean, it was kind of a guarantee from a guy like Joel who knows what he's talking about. So he bobs a little when he walks — that's nothing to hold against him. Especially when he gives me this guaranteed number. It's like the Good Housekeeping Seal. So I go out there the 24 miles and then bring her back and . . . nothin'! And then another 50 miles and you get pretty discouraged after he said how it was guaranteed, so I go to him and tell him that I must be inadequate and I'm going to kill myself by throwing myself into the Oxy bonfire, but he says, welllllll . . . it wasn't exactly, uh, well, guaranteed, but it was a pretty sure thing. So the facts come out like Van Doren, if you know what I mean, and you get pretty discouraged. I mean you kinda lose faith. And you'd think that would be enough, but no! A clean cut guy like Jovin (so he's kinda Mexican-affected) starts writing in the paper about this mission of mercy that he took around the globe. Now that's okay and all, but down in the newspaper office all he can talk about is the sex here and the sex there and, man, you should get to Athens, it's the best and I don't mean the Acropolis (dig). What about all those diseases and the starving kids? And the school pays for the Pres' extra-curricular. I mean you lose faith after a while. And then

adena, but we haven't found out where, yet. I last saw a BMW with a guy gritting his teeth (OUT OF MY WAY) going to the Pasadena Star News junk yard to get the remnants of the issue and when I saw that it all kind of snapped I mean nothing was left no humility or life and Leibovich never existed on the beach with the keys looking for wood and the subway was filled with lousy pedestrians trudging into the night of existence, plodding to obscurity without meaning, without love, and the wheels brought them farther and farther into the lousy, stinking bomb city. Trudge, Drudge. Dreg. Love, Griff.

BRAKES RELINED
TUNE-UP
Burdell Automotive Service
TIRES
ALLEN & COLORADO
LUBRICATION
SY 2-9161

Announcements

STUDENT SHOP

The Student Shop will accept membership applications until November 19. For information and forms, see Jerry Siegel in Dabney, or Keith Taylor in Fleming.

WINTER OLYMPICS

Everybody interested in going to Squaw Valley for the Winter Olympics should see Marty Carnoy in Dabney before Sunday night.

PASADENA SMOKE SHOP
Imported & Domestic
Pipes & Tobacco
1166 E. Colorado

FOR THE INTERHOUSE DANCE

Jonker's FLORIST
SPECIAL RATES
TO TECH MEN
600 South Lake Avenue
SYcamore 3-7167

Eighty Days Around The World

(Continued from page 3)

flights of stairs, all alike and leading to the establishments on the second floor. Several of these places may belong to one "boss" and each is administered by an "amah," general provider for the hard-working girls. The latter range in age from 15 to over 30.

How does one get started in this particular profession? In Hong Kong, a couple beset with financial problems will offer their young daughter to a boss in exchange for 300-500 Hong Kong dollars (about 60-80 U.S.). She'll work for no wages during the next two years, being clothed and fed by the amah; and then will split 50/50 for the

remainder of her hectic career. My conclusions at the end of various interviews was that the going is rough, unpleasant, but hardly a matter of choice.

Placement Office Offers Listing Of Christmas Work

The placement office has prepared a list of the stores in the Caltech area, which have special jobs available during the coming Christmas season. Students interested should visit the placement office to fill out an application.

PASADENA TYPEWRITER & ADDING MACHINE CO.

RENTALS
SALES & SERVICE
TYPEWRITERS
ADDING MACHINES
SY 3-2094
1188 E. COLORADO BLVD.
CORNER COLORADO & MICH.
PARKING IN REAR

Welcome to

THE CAMPUS BARBER SHOP
Near the Coffee Shop

ALL HAIRCUTS \$1.50

Two Barbers to Serve You

To Candidates for Baccalaureate and Advanced Degrees
in the Engineering and Scientific Disciplines



*Invites You To Investigate The Broad Opportunities
Inherent In Large-Scale System Engineering*

MITRE, a systems engineering and development organization, has the continuing responsibility for solving the complex problems involved in the design, development, evaluation and integration of the many and varied air defense systems.

Formed under the sponsorship of the Massachusetts Institute of Technology with a staff nucleus composed of the scientists who designed and developed the SAGE System, MITRE affords individuals accelerated professional growth in a multi-disciplined environment. There exists freedom of choice in assignments ranging from system design through prototype development to advanced operations research.

We invite you to discuss with us how your academic training can be effectively utilized in one of these stimulating areas:

- SYSTEM DESIGN
- COMPONENT DEVELOPMENT
- REAL-TIME COMPUTER CONTROL SYSTEMS
- RADAR TECHNIQUES
- OPERATIONS ANALYSIS
- WEAPONS SYSTEM INTEGRATION
- HUMAN ENGINEERING
- COMMUNICATIONS SYSTEMS
- ELECTRONIC WARFARE
- INTEGRATED SYSTEM EVALUATION

The above openings are available at MITRE's modern facilities in suburban Boston, Massachusetts — Fort Walton Beach, Florida — and Montgomery, Alabama.

**CAMPUS INTERVIEWS
THURSDAY, NOVEMBER 19**

Please contact your Placement Director for appointment

THE MITRE CORPORATION
244 Wood Street — Lexington 73, Massachusetts

A brochure more fully describing MITRE and its activities is available on request

ENGAGEMENT and WEDDING RINGS

diamonds in all shapes, sizes and prices . . . or other gems and designs of your choice.
LONG-TERM PAYMENTS

B.D. HOWES and SON

336 SOUTH LAKE AVENUE

The California Tech SPORTS

Soccer Team Beats Santa Ana Thanks To Defensive Boobos

The Caltech soccer team racked Santa Ana, an exhibition foe, 4-2 Saturday on the TP field to follow up an earlier 2-2 deadlock between the two teams.

A penalty kick plus a defensive lapse on the part of the losers proved decisive. The score at half-time was 2-2 with Ron Forbess tallying the first goal and the Santa Ana defense contributing the second.

Forbess scored on a short kick. The second point came when the visiting fullback flipped an intended pass to the unaware goalie with the ball going into the goal.

The winning goal came when the Santa Ana halfback handled

Tuft, Juola Lead Beavers Past Pomona

Caltech cross-country team remained undefeated Friday as it downed Pomona, 27-29. As usual, Dick Tuft and Bob Juola dominated the race, finishing several hundred yards ahead of the rest of the field. Rich Harris showed good improvement and finished fifth in the race, third for Caltech.

Scored on the basis of three-man teams, the frosh meet was also won by CIT, 9-10. Pat Early won, with Jim Dash close behind.

Beaverbabe Basketball Begins

Frosh basketball practice begins next week with Coach Ed Priesler looking forward to a fine season. Practice will begin at 4 p.m. Monday in the gym.

This year's frosh are loaded with talent, with several high school lettermen within their ranks. Some of the top prospects have been working out with the varsity for the last few weeks, and have certainly looked impressive. Tom Anderson and Tom Bopp have given varsity Coach Gene Rock a lot to look forward to in the next few years by their excellent performances in varsity scrimmages. Mike Perleman, another frosh who has been out for the last few days, has also shown great promise.

All in all, the team ought to improve upon the record of last year's team, which was considered the best in the last few years.

the ball in the penalty area and Ellis Cumberback pounded in a penalty kick early in the third quarter.

Santa Ana, who plays SCIAC teams in exhibition games, numbers UCLA and Redlands among its victims this year, with the help of several semi-professional players.

UC at Riversied offers competition for the Beaver booters Saturday.

Poloists Solidly In Third After Whipping Redlands

After splitting a pair of conference games over the past week, the Beaver water polo team is firmly entrenched in third place with a 3-2 record.

Oxy whipped the visiting Beavers 9-5 on Friday to break a three game losing streak. The teams will meet in the final game of the season with a possible tie for second spot in the league resting on the tilt.

Weak Redlands succumbed again to the Beavers by a 6-3 score Tuesday, falling by the same score as in their first meeting.

Defensive lapses proved fatal in the Oxy game as the home team quickly piled up an unsurmountable 5-2 half-time advantage and coasted to the win. Bob Ruby, doing the bulk of the Beaver shooting, scored four goals, one in each period. Gary Tibbetts netted the final score in the fourth quarter.

The Caltech defense was hard hit when veteran Dave Tucker fouled out early in the second quarter.

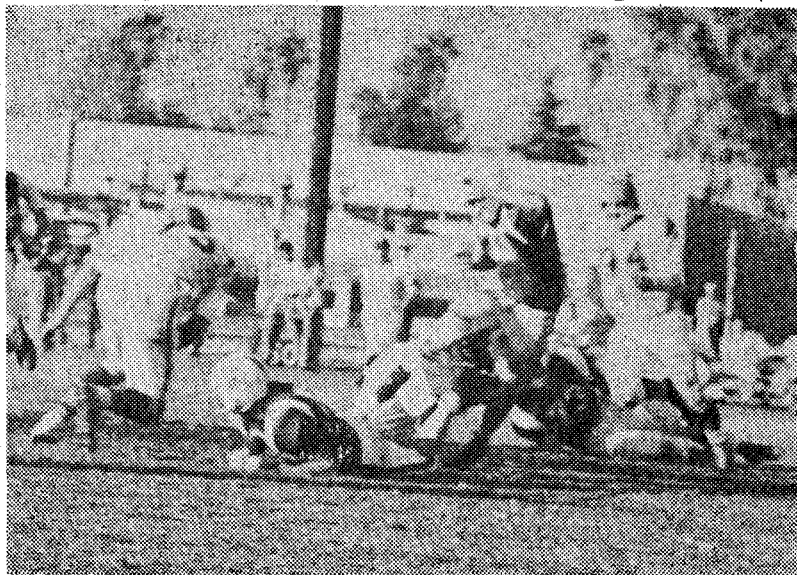
Fans Do Officiating

An unusual aspect of the game was the absence of the regular referees with volunteers recruited from the stands doing the officiating.

Tibbetts scored the first two goals to give the Caltech squad a 2-0 lead at the first quarter against Redlands, which they never relinquished. With a Redlands rally pulling the score to 4-3 at the close of three quarters, Ruby dumped in a pair of goals to insure the win.

Despite the loss of both starting guards via the foul route, the

Footballers "Up" For Oxy, Might Pull Big Upset



Caltech fullback Jerry Siegel bursts through the center of the line for a short gain against LaVerne. Two long passes by LaVerne coupled with lack-luster offensive play by the Beavers meant victory for the visitors, 14-6.

Although the chances for a win against Oxy seem rather remote on paper, don't count the Beavers out. Oxy hasn't looked very good in their last few ball games, being thumped by Redlands last week about as badly as were the Beavers at the first of the season. If Caltech plays up to its potential, something it really hasn't done yet this year, look for a big surprise in the final score.

In last week's game against La Verne, two costly defensive errors handed the visitors two gift touchdowns, enough for the victory.

Caltech's hopes for their season's first win was dashed Saturday by a mediocre La Verne College team, 14-6. Tomorrow, they will try again against their traditional foe, Occidental, played at Eagle Rock.

One of La Vern's ends managed to get behind the Beaver's secondary and run 65 yards for a touchdown on the sixth play of the game. A conversion picked up two more.

After a quarter of lack-luster play, the Beavers managed to drive 55 yards for a T.D. A pass to Dave Grimes failed to get the extra points. With but 45 seconds left to play in the half, La Verne's quarterback managed to connect with another long pass, this time for 51 yards and another touchdown. The conversion attempt failed.

The second half was marked by poor play on both sides and neither team managed to mount a scoring drive.

Frosh in Dairy Business

The frosh again demonstrated their lack of ability in losing to Whittier by 48-0. The little Poets were able to score at will,

Tiger Poloists Down Frosh Squad

The Frosh Waterpolo team got dumped Monday in a fairly close game with the Occidental frosh, 10-6. The score at the end of the third quarter was 7-6 in favor of Oxy.

Bruce Chesebro was high man for the Beavers with three goals.

Larry Daubek and Dave Ollis also showed in fine form for the Beaver team.

As usual with Tech freshman teams, lack of experience was a point in favor of the Occidental opposition. The next game for the Beaverbabe paddlers will be against Claremont, tomorrow. Claremont is favored by about six points.

scoring touchdowns on both runs and passes. Generous substitution by Whittier's coach kept the score down.

Beaver defense was impressive and kept up a full-court press during the entire game.

Ruby now has 25 goals for the season with Tibbetts showing 10. The Beavers with only two seniors on the squad, have been hurt by an unbalanced scoring punch and inexperience.

Claremont journeys to Pasadena for Friday's SCIAC contest. The Beavers whipped the Stags, 8-3, last time around, but since then CMC has improved. It should be a close game.

The frosh grabbed their first win against four losses Tuesday by downing Redlands, 6-3. Bruce Chesebro, leading frosh scorer, connected for three goals with Mickey Newton winging in a pair of scores.

Coming November 23, 24

Hughes announces campus interviews for Electrical Engineers and Physicists receiving B.S., M.S. or Ph. D. degrees. (Mid-Year or June Graduates) Consult your placement office now for an appointment.

the West's leader in advanced electronics

HUGHES

HUGHES AIRCRAFT COMPANY

Culver City, El Segundo, Fullerton, Los Angeles, Malibu and Newport Beach, California; and Tucson, Arizona

WATCH REPAIRING

expert — fast — reasonable — all makes and models

B.D. HOWES and SON
Jewelers

336 SOUTH LAKE AVENUE

Last Minute INTERHOUSE CONSTRUCTION MATERIALS, PIZZA from ROMA GARDENS — 1120 E. Green For Quick Service Call SY 2-9748 Open Daily 5-12 P.M.; Fri. & Sat. 5 P.M.-2 A.M.; Sun. 5-9 P.M. Will Deliver Orders for More Than 3 Pizza

Rotation Meet Uncovers No New Proposals

(Continued from page 1)

the feeling of no choice that proponents of rotation worry about in a non-rotation system.

Must Adopt 'Line'

Others mentioned that rotation takes too much time for frosh and upperclassmen at the beginning of the year; that it forces upperclassmen to adopt a superficial "line" and smile and that upperclassmen really do not enjoy rotation because of this; and that the frosh and the upperclassmen in practice are forced to make an irrational choice of each other because the time for meeting is so short.

A hand vote of those present showed only slightly more than half "enjoyed the last rotation."

Doug Carmichael claimed that the character of Techmen themselves, not rotation, is responsible for the present character of the houses.

More First Choices

Doug Shakel got near to general agreement on his point that the main problem now is that some 25 per cent of the frosh do not get their first choice house. He noted that with seven houses to choose among, there will be even greater chance of getting one's first choice and that the proposal to permit a house to accept up to five more frosh than assigned will increase this chance even more. He also felt that with smaller houses it will be harder for one house to dominate or to "lose" rotation.

But Jovin insisted that third-choice unhappiness was being over-played and that Techmen are really pretty compatible and thus wouldn't mind an arbitrary assignment.

Some Will Want Change

Among the proponents of continuing rotation, Les Ingber believed that there will always be a few frosh who would be happier if they could change their house and that this group should be worried about. Ingber predicted that the unhappy people would soon try to form fraternities.

Cleve Moler also disagreed with Jovin, claiming that the new houses will not feel forced to adopt a house "line" at all and thus permit the frosh to choose on the basis of the type of guys in the house rather than a total house character. This, it was generally agreed, was the most desirable method of choice.

It was noted that a six-week rotation might also result in choices based more on personalities, but most upperclassmen were deeply worried about a six-week rotation grind. Ken Scholz feared that a house would be seriously handicapped in organizing for the interhouse dance and most other activities if its final membership were not determined until the seventh week of the first term.

Pete Mayer and others discussed the willingness of upperclassmen to rush to railroad depots and airports to greet freshmen if there were no rotation. Dave Drummond claimed that at least half of two houses are introverts and need the rotation pressure to get them to meet people. On the other hand, Jovin noted that people who would go to meet frosh despite the fact that there was no rotation were the type of people who really wanted to help freshmen.



The first drink of this week's column is strictly for the girls, as can be deduced from the name:

THE PURPLE BUNNY

- 1 1/2 ozs. Cherry Brandy
- 1/2 oz. Creme de Cacao
- 1 oz. Cream

Shake well with ice and strain into cocktail glass.

This, as might be expected, tastes like chocolate-covered cherries. Very sweet, but an excellent dessert drink for any female friends you might have. It can even remove the bad taste from her mouth after a student-house meal.

The second drink is one of the strangest and best that I know. Some people would swear it has a touch of gin in it. But it has none.

THE LIEBFRAUMILCH

- 1 1/2 ozs. Creme de Cacao

- 1/2 oz. Cream
- 1 lime, juice of

Shake well with ice and strain into cocktail glass.

Put the lime juice in first, then the Cacao. Then dump the cream in, clap the top on the shaker, and shake like mad—lime juice has curious effects

on cream, and any lost time may result in a curdly mess. I prefer white Creme de Cacao, although no recipe I have ever seen specifies it.

The flavor is quite indescribable. Not really sweet, but with a hint of sweetness. Not sour, but definitely sharp. And the flavor varies as you drink, depending on whether you imbibe more or less of the top layer as compared to the bottom.

All in all, an excellent and exotic drink.

Unitarian Public Forum

Dr. W. E. B. DuBois

and

Shirley Graham

(Mrs. W. E. B. DuBois)

BEHIND THE IRON CURTAIN AND CHINA

Friday, November 13th, 8 p.m.

2936 West 8th St., Los Angeles

Admission \$1.00

Question Period

The Place to Go
NATIONAL THEATERS

ACADEMY

1003 E. Colorado, Pasadena
SY 6-3191

"CAREER"

Dean Martin
Shirley MacLaine
Anthony Franciosa
Carolyn Jones

Also

"BUT NOT FOR ME"

Clark Gable, Carroll Baker

STATE

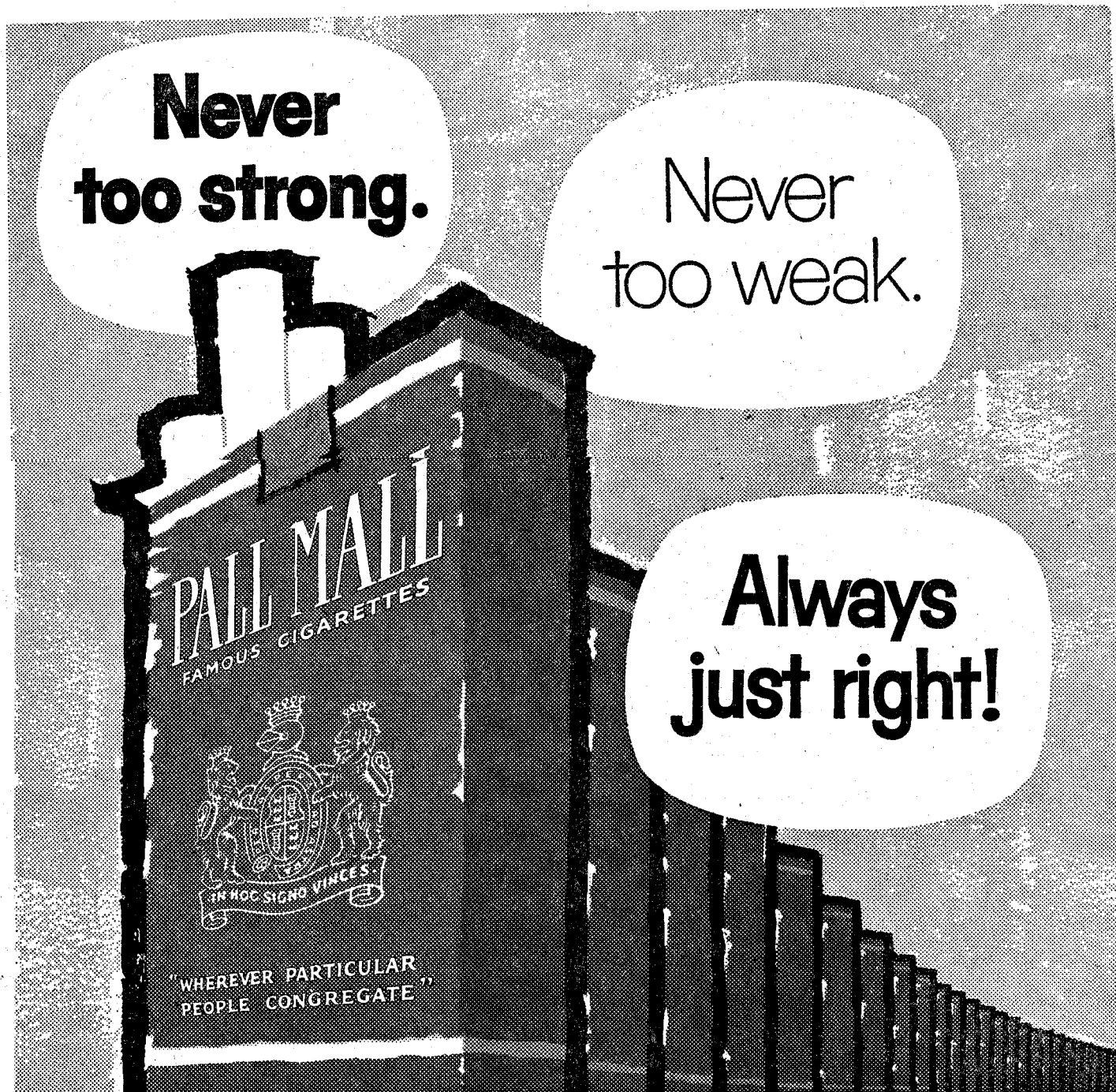
770 E. Colorado, Pasadena
SY 2-7139

"THE NUN'S STORY"

Audrey Hepburn

"PAJAMA GAME"

Doris Day



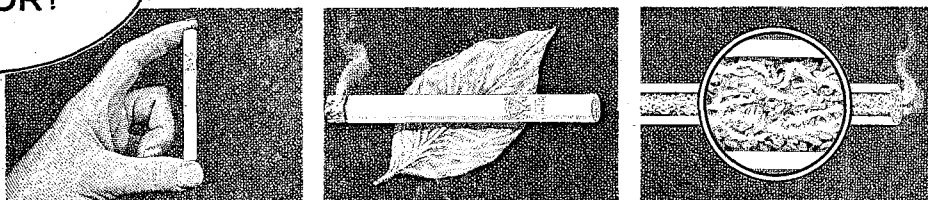
You can light either end!

Get satisfying flavor...so friendly to your taste!

See how Pall Mall's famous length of fine, rich-tasting tobacco travels and gentles the smoke—makes it mild—but does not filter out that satisfying flavor!

NO FLAT
"FILTERED-OUT"
FLAVOR!

NO DRY
"SMOKED-OUT"
TASTE!



HERE'S WHY SMOKE "TRAVELED" THROUGH FINE TOBACCO TASTES BEST

- 1 You get Pall Mall's famous length of the finest tobaccos money can buy.
- 2 Pall Mall's famous length travels and gentles the smoke naturally...
- 3 Travels it over, under, around and through Pall Mall's fine tobaccos... and makes it mild!

Outstanding...
and they are Mild!

© A. T. Co. Product of The American Tobacco Company—"Tobacco is our middle name"