

## Y presents outstanding films 'Gentlemen's Agreement' first

The Caltech YMCA Film Series will show **Gentleman's Agreement** and **Seal Island** this Sunday at 7:30 in Culbertson. Admission will be the usual 35 cents at the door.

**Gentleman's Agreement** is a 1947 Hollywood movie dealing with anti-Semitism. Winner of academy awards for best production, best director and best supporting actress, the picture stars Gregory Peck, Dorothy McGuire and John Garfield. **Seal Island** is a Walt Disney color short, one of the first Disney nature films.

Other features on this term's program are **Mr. Smith Goes to Washington** and **The Browning Version**. **Mr. Smith**, scheduled for November 13, stars Jimmy Stewart and Jean Arthur in a story of a young Senator in the capitol for the first time and his fight against graft.

Shorts on the same program are **Easy Street**, a classic Charlie Chaplin comedy, and three abstract musical films by Norman McLaren.

**The Browning Version**, to be shown on December 4, is a 1951 British film about an unpopular teacher on his way out of an English school. Critics rate it as one of the best postwar foreign films, and **Time** raved about Michael Redgrave's performance as the teacher. Shorts on this program are **Pigs Is Pigs**, a Disney cartoon about the reproduction habits of guinea pigs, and

(Continued on Page 4)

## Informative talks, tour of campus await new parents

### DuBridgetalk, Service League tea highlights of day's program

Parents Day, 1955, will be held on Saturday, October 22. Annually, during the first term, it has been Caltech's policy to set aside a day "to enable the parents to see for themselves the atmosphere and conditions under which their sons will be living and working for the next few years; to enable the Institute staff to become acquainted as early as possible with the parents and students; and to give the Institute an opportunity to introduce Caltech Service League to the new parents."

A full schedule has been planned to give parents the best possible chance to observe campus life and to meet and talk with various Institute personnel. The starting point will be Dabney Lounge, where visitors will register at 7:30 a.m.

The morning program is to begin at 10:00 in 201 Bridge, where a series of talks will be given, designed to describe the procedures, methods, and customs of the academic and student programs. The following are to speak: Paul Eaton, Dean of Students; L. W. Jones, Dean of Admissions; Foster Strong, Dean of Freshmen; Dr. George Mayhew, Master of Student Houses; Dr. John R. Weir, Di-

(Continued on Page 3)

## Hershey tells of attending European students' meeting

by Stu Richert

A total of seven student conferences throughout Europe were attended this year by Wes Hershey, head of the Caltech YMCA. Hershey returned in August from his seven months tour, which took him to most of the countries of western Europe.



Wes Hershey

"The purpose of this trip," explained Hershey, "was to learn about the extracurricular activities of foreign students, with a primary focus on the field of international understanding." While in Europe, Hershey had opportunities to talk with many student leaders and observe the operation of foreign universities and student organizations.

A major difference that Hershey observed between American and European universities was in their attitudes toward the students in matters such as economic aid, extracurricular activities, housing, and medical programs. "European universities have very little concern for the welfare of the students," he commented. European students in general have to provide their benefits on their own initiative.

Hershey also found that a much wider gulf existed between students and faculty in European universities. "People were amazed," he said, "when I told of the Student-Faculty Relations Committee and the close cooperation between students and faculty that we have at Caltech."

Two of the conferences that Hershey considered very interesting and significant were the

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## Lunch programs announced; three clubs to meet weekly

Lunch clubs, sponsored by the campus Y, are now meeting weekly. The clubs serve as a place where Caltech students can meet and hear talks by prominent persons.

Each club will meet weekly at the Training Table Dining room in the basement of Blacker; a service charge of 10 cents will be asked, above and beyond regular board costs. Non-boarding students may either purchase lunches for 85 cents or come at 12:30 after the meal ends.

Two of the clubs are specifically for freshmen; one is for upperclassmen, although frosh may attend; and one is for graduate students and faculty.

The frosh clubs started meeting on Monday, October 17 and Thursday, October 20, and will operate independently of each other, though they have parallel programs. Talks will be given at 12:30 following lunch. Speakers will include Drs. Feynman, Beadle, and Pauling and the speeches are designed to be thought-stimulating rather than tediously informative.

The upperclass club began Tuesday, October 18, with a talk by Floyd Ross, SC professor, on the 1955 program topic: "World Religions."

The grad-faculty club, meeting weekly from Wednesday, October 12, will hear such speakers as Paul Hoffman, president of Studebaker Corp., and Wes Hershey, Caltech Y executive secretary, on their 1955 topic, "International Understanding." Undergraduates may attend.

The clubs will each accommodate 35 to 40 persons. No dues, roll call, or membership cards; just come. Regular attendance is preferred.

Those interested in attending or desiring further information

may contact the following chairmen: freshmen—Jim Weaver or John Stedman; upperclassmen—Kim Malville; grad-faculty—Matt Messelson.

## Caltech campus emerges from under water as frosh initiation brought to damp ending

by Tom Dodge

The flood has subsided and eager students have returned to unthumbed books. School has at last started at Caltech. For three weeks our institution has been going through the important and difficult task of assimilating new additions to the student body. What effect have the past three weeks had on an average "Joe Tech"?

There are among us several perennial freshmen who think the neatest thing on campus is a three inch firehose. I know of at least one gentleman who would attribute the whole character of initiation to a urinary complex among the troops, but we prefer to think of the whole deluge as a natural consequence of returning from a boring and unrewarding summer vacation.

Reaction amongst the frosh was split. One freshman gurgled sarcastically, "I thought this was a place for higher education," as he grabbed frantically for his chemistry book on the way to the showers. Joe Klutz, model boy freshman, said, "I like initiation because my old man holds stock in a balloon fac-

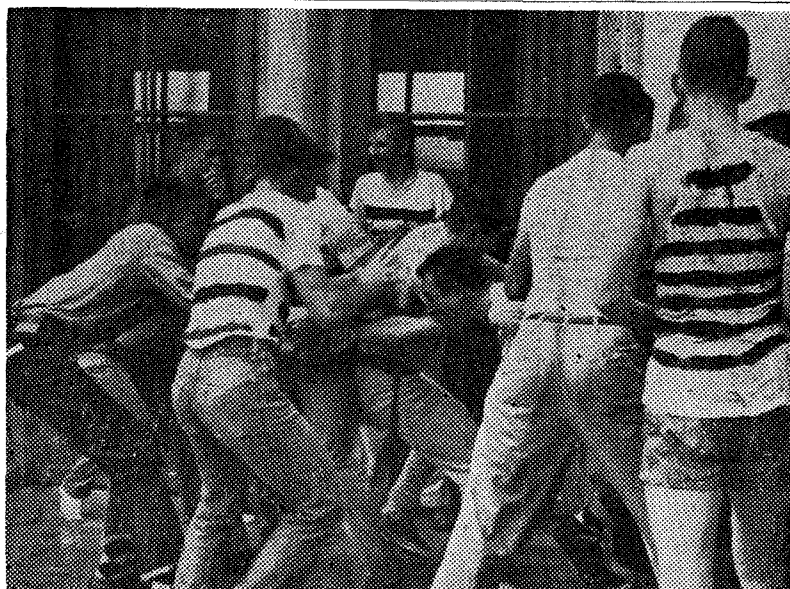
tory." Other frosh with less mundane interests lapsed into seizures of manic-depression when their copy of MRW became warped after a water fight.

Actually, initiation as traditionally practiced performs a useful function in breaking the frosh class into competing cliques in which a few of the

more powerful personalities (a powerful personality is a guy who can throw another in the shower without getting wet himself) gain valuable leadership experience.

The teamwork is magnificent: six men chosen arbitrarily learn how to drag, lift or heave a

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A scene during a Blacker-Ricketts waterfight, typical of initiation week action in the student houses.

## Pauling, Ross and Fleming talk to Y clubs

October 24 will mark the beginning of the second week of activity for the Y lunch clubs. The Frosh Club will meet to hear Dr. Linus Pauling discuss "The Nature of Scientific Research." The program for the other group of frosh, meeting on October 27, is yet to be announced. On Tuesday, Dr. Floyd Ross, Professor of World Religions at the University of Southern California, will speak to the Undergrad Lunch Club about Buddhism, the second topic in his series of talks on religion.

The Grad-Faculty Club will convene on Wednesday, October 26 to hear Louis Fleming give a "Report on Washington." Mr. Fleming, a reporter for the Pasadena Star-News, has been in Washington on a Congressional internship. The internship program provides funds for a few select men to go to the capital and see, first-hand, the workings of the United States government.

## Membership in USNSA will be considered

The Regional Vice-President of the United States National Student Association will be guest at a Beaver meeting today to discuss the USNSA. Student-body leaders have been considering membership in USNSA for Caltech. It is felt that membership will "provide contacts for exchanges of ideas and opinions with other student bodies."

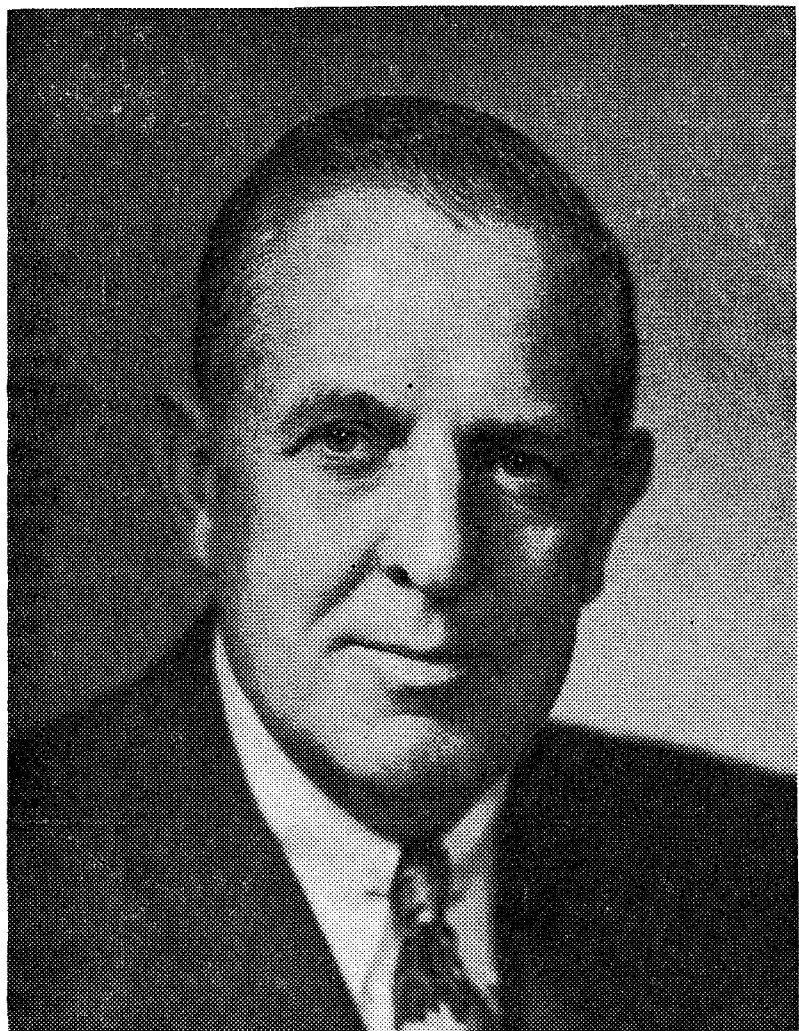
The USNSA, in which Caltech's membership dues would be \$25 per year, is a confederation of college student bodies represented through their student governments. When first considering the possibility of Caltech becoming a member, John Young, Howard Berg, and Leon Keer four weeks ago attended a meeting of local USNSA representatives. There they became acquainted with the nature of the local USNSA program. The Student Discount Service, a plan to secure discounts in the local stores for students, and a unified high school counseling program were among the topics discussed.

The ASCIT Board of Directors will decide whether or not Caltech is to become a member of the Association.

## Furumoto becomes Fleming president

Warren Furumoto has taken over the office of president of Fleming House to fill the vacancy created by the departure of Riley Jaschke, who has taken a year's leave of absence from the Institute for personal reasons.

Elections to replace Furumoto as vice president of the house will be held in the near future.



**PAUL G. HOFFMAN** will be a guest of Caltech students November 7 to 10, as the first of three distinguished men in a "Leaders of America" series sponsored by the YMCA. By way of introduction, the California Tech is printing a two-part biographical sketch this week and next. (Photo by Fabian Bachrach)

## The Salesman

Like the adept manager of a defeated champion prize-fighter, Paul Hoffman has directed the biggest comeback in history. The fighter, a better part of the European continent, was reeling from two near-fatal knockout blows.

As head of ECA—The Marshall Plan—Paul Hoffman contributed the inspired coaching, while Uncle Sam gave the dollars that put Europe on its feet. The story of this project and the story of Paul Hoffman's career—in the auto business, with ECA, and as head of the Ford Foundation—are sagas of American success.

Paul Hoffman of today, still showing those personable qualities he developed as a salesman, has been described as "affable," and "energetic." His expression is said to be one of "contained amusement," as if anticipating the humor of life. He speaks frankly and sincerely, and listens and learns just as intently. All his life he has been selling—cars, good roads, European aid programs, Ford Foundation goals. "Selling," he has said, "is the process of transferring conviction from the mind of the seller into that of the buyer."

### ECA Administrator

Thus after a distinguished business career that brought a fortune for himself and profits for Studebaker, Hoffman shifted gears and gave money away, proffering some \$5 billion of ECA funds the first year. The project was no simple giveaway, for the world needed miraculous results from a European aid program.

In 1948, when Marshall Plan aid started, the communist menace was threatening a continent with a crippling "dollar shortage," a Europe in debt, on relief, flooded with displaced persons and beset with unemployment. To make matters worse, Europe was fighting itself, with 20 different nationalisms building barriers for trade and communication.

Hoffman set up a 3,000-man staff and organized these divided countries into a cooperative union to receive ECAid. He sent over trained industrial managers and received Europeans for training in America's new production techniques. He gave away American goods, making Europeans send payments to their own national treasures to bring their governments out of debt, thus multiplying the benefits. Everywhere he was a salesman for economic recovery based on the ECA doctrine: 1) lower intra-European trade barriers; 2) more flexible exchange mechanisms; 3) integrated national fiscal policies.

In general the customer was cold, but a measure of success was achieved when Belgium, the Netherlands, and Luxemburg combined to form Benelux. In the words of Sir Stafford Cripps, Britain's Chancellor of the Exchequer, the first year of ECA "did more for European unity than was accomplished in the preceding 500 years."

Hoffman called his efforts a "Battle for Peace," and thus can be credited with a spectacularly successful strategy. Steel output had gone up 30% the first year, and production in general was above pre-war levels. In two and one-half years European industrial and agricultural output rose 25%, while electrical power output was up 80%. This was truly the biggest comeback in history.

Paul Hoffman had stepped into the ECA headquarters with a long, successful experience in administration, accumulated from many years in American business. He was born of New England

stock in 1888 near Chicago, Illinois. In 1909, after one year at the University of Chicago, he quit school for financial reasons and became a salesman for Halladay cars, known then and now primarily for their advertising slogan, "Every day a Halladay for me." Like other young salesmen, he spent his free time racing the "hot rods" of his day.

Hoffman's selling abilities were most obvious when he went into a new area. In a new town, he first went to meet the banker and take him for a ride. Instead of giving him a sales pitch, he would chat about the community and about the banker's well-heeled friends. Thus from the most logical source he learned the likely sales prospects. Despite an impressive record of sales, commissions amounted to only 1%, and at 21, he left for Los Angeles to work in a Studebaker agency.

### Studebaker executive

After four years he had worked up to sales manager, then two years later he was general manager. Upon returning from World War I he became owner of the Los Angeles branch.

In the twenties he recognized that the biggest obstacles for the West Coast auto business were inadequate, unsafe highways. To meet the need, he became a leader in civic projects for better roads, thus helping to start Los Angeles on its way to becoming an automotive capital.

Studebaker Corporation then recognized his abilities, and in 1925, made him vice-president in charge of sales. Before reaching the age of 40, his sparkling salesmanship had made him a millionaire. When the depression struck, Studebaker was as hard hit as anyone. As debts piled higher, the company president committed suicide, and many people expected Studebaker to go into receivership. James Vance and Hoffman, as the new president, took the reigns, and succeeded in hammering a wreck into smooth running condition again.

The Company took most of Hoffman's time in the following years, although he took time to be a director of the Automobile Manufacturers' Association from 1933 to 1948. He assisted the New Deal program for business as a member of the Industry Advisory Committee.

It was not until 1943 that he stepped into government and public life in earnest. As head of the Committee for Economic Development, and later as ECA head, Hoffman has been of great service to the American public.

This public service, in postwar reconversion, in European aid, with the Ford Foundation, and as a voice of the times, is the subject of next week's article.

by Tom Bergeman

## Secretary's Report

This term's ASCIT assembly program will feature Shelley Manne and His Men on Thursday, November 10. Manne agreed to come at a considerably reduced fee to meet available ASCIT funds. For several years Manne has been rated the country's top drummer by **Metronome** magazine.

The television program October 30 on which Caltech was to appear has been postponed. According to reports from NBC, the other schools scheduled to appear on the review had difficulty filling their time.

### WUS men needed

Although Caltech leads Southern California schools in per capita donations to the World University Service, it still needs more delegates to the regional collegiate WUS conferences. Howard Berg, in charge of WUS affairs on campus, has appealed to underclassmen, especially, to attend the Area Advisory Council meetings, where the WUS international aid program is discussed. The next such conference is to be October 29.

WUS supplies funds and textbooks to many foreign students and universities. For some, such as the Philippines University, it is the primary source of funds.

A special enticement to delegates is the international WUS conference in Indonesia next summer. Since Caltech is raising money to send a delegate, a qualified, interested Tech man may be chosen to attend. Therefore, men interested in international affairs and in foreign student problems are encouraged to take part in WUS conferences. Also, of course, this is an opportunity to represent Tech and to meet students from other schools. Those interested should see Howard Berg.

## California Tech

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## Beak needed

As any fool can plainly see, there is no "Campus Brewins" column this week. The reason for this is simple: there is no Brewins editor this week. The previous Beak has felt the pressure of other obligations and has resigned.

Therefore, any student interested in taking over this position should get in touch with the editors. The only requirements are interest and energy.

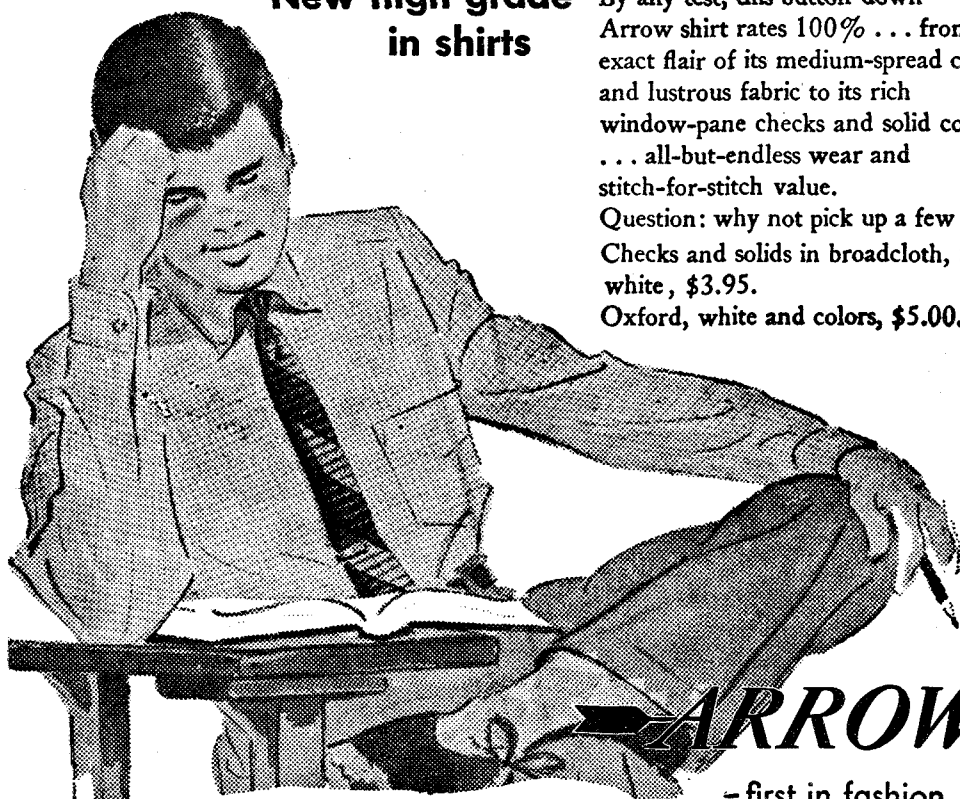
## New high grade in shirts

By any test, this button-down Arrow shirt rates 100% . . . from the exact flair of its medium-spread collar, and lustrous fabric to its rich window-pane checks and solid colors . . . all-but-endless wear and stitch-for-stitch value.

Question: why not pick up a few right away?

Checks and solids in broadcloth, \$5.00; white, \$3.95.

Oxford, white and colors, \$5.00.



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# Sec's at Tech

by Karl Klutz

We're sure it comes as no surprise to the majority of Techmen when we say that there is a most winsome young lass who works in the Caltech bookstore. Being rather slow, however, it took us a month to discover that her name is Mal (Madeline) Kolian, that she came to California in 1947 from Erie, Pennsylvania, and, if we might insert an opinion, Pennsylvania's loss was our gain.

We spirited her away from the bookstore to take her picture, and as the camera was being adjusted, we requested that Mal describe herself, and she responded:

"Well, I'm about five feet, two inches tall, I weigh one hundred and two and I have brown eyes and dark brown hair." In all fairness we should add that all of the above have been arranged in a very attractive fashion, as far as we're concerned, at least.



Mal Kolian

Did she go to school out here?

"Yes, I did. I went to Glendale Junior College for a year, and then I transferred to PCC. My majors were art and business administration, and I belonged to the Seidal's sorority at Glendale."

In her spare time, Mal, a twenty-one year old Miss, likes to read ("My favorite author is Irwin Shaw"), dance, or watch football, basketball and soccer games. Mal's mad passion in life seems to be sports cars, and her eyes positively lit up when we mentioned the word "MG."

In response to our query, Mal told us she had been working here three months, and that she thought all Techmen were "real sharp." Figuring we should quit while we were well ahead, we waved a hasty farewell and departed.

## HERSHEY BACK

(Continued from page 1)

International Student's Convention at Birmingham, England, and the World University Service Convention at Helsinki, Finland. Both of these conferences had as major concerns the problem of what to do with communists. Prior to 1950 the communist countries had members in both of these organizations, but in that year they all withdrew. This year, however, they were applying for re-admission. Considerable debate was held on the subject, with delegates from the United States, England, and the Scandinavian countries opposing readmission, and mainly religious organizations favoring it. The request for readmission was turned down for the time being. Hershey felt there was "a real desire on the part of the members to find ways and means of working together with the communists, but a basic distrust of their motives." His opinion was that, "If the new Russian foreign policy continues, the communist students will probably be readmitted to the international student organizations."

## PARENTS' DAY

(Continued from page 1)

rector of Student Counseling; and Philip Conley, ASCIT President. The Resident Associates of the student houses and some of the undergraduate instruction department heads will also be present and, after the more formal talks are over, they will be available for informal discussion and question-answering.

After a 12:00 lunch in the Athenaeum, President DuBridge will address the group. Then at 2:15, the guided tour will start with a demonstration in the high-voltage laboratory. Following this, the initial group of about 200 will split up into smaller sections and be shown around to all the campus points of interest.

The Caltech Service League will hold a tea in the Athenaeum from 4:00-5:00. The new parents will thus be able to get acquainted with the purposes, program, and organization of the League.

## Music series starts tonight

Professor Daryl Dayton of Pomona College will begin his second series of music lectures at Caltech tonight at 7:30 p.m. in Dabney Hall lounge. The series, originally scheduled to begin last Thursday, was postponed for one week because of conflict with house initiations.

This terms' lectures will deal with the life and music of Mozart, and will be illustrated with piano and phonograph records.

## Selective Service exams next month

The first College Qualification Test of the Selective Service System this year will be given in 119 Kerckhoff on November 17. Candidates should report by 8:30 a.m. as the examination begins promptly at 9:00 a.m. and no one will be admitted after it has started.

Answers are graded by the Selective Service System, and the score is used in determining draft deferment for students in the lower half of the class.

## Fletcher is elected president of IHC

Louis Fletcher, Dabney House president, has been elected Interhouse Committee chairman. The IHC was left without a chairman when Ted Johnson, former Darb president, left school because of illness.

The duties of the IHC president consist mainly of presiding over meetings of the committee. The IHC, which is composed of the presidents and vice presidents of all five houses, meets weekly at training table on Wednesday noon to discuss problems affecting all the houses. Marty Tangora continues as secretary of the committee.

## Houses plan full weekend of events

Social events for the coming weekend are manifold. Friday evening, October 21, will see four exchanges, in Fleming, Ricketts, Blacker and Throop. Dabney members will watch the play, *The Desperate Hours*, their first Theater Party of the year.

Saturday night, October 22, after the football game, Blacker, Ricketts, and Throop will hold a Barn Dance at Sunland Park, Sunland. The major attraction will be a three team crew race. Fleming will have an off-campus party at the Beverly Hills home of Mike Engleberg.

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What young people are doing at General Electric

## Young engineer pioneers in design and sales of new tiny transistors

The germanium transistor—some smaller than the eraser end of a pencil and able to operate on a few thousandths of a watt—is probably one of the most promising developments in the electronics field today. It opens the way to new midget radios, TV sets flat enough to hang on a wall and many other exciting possibilities.

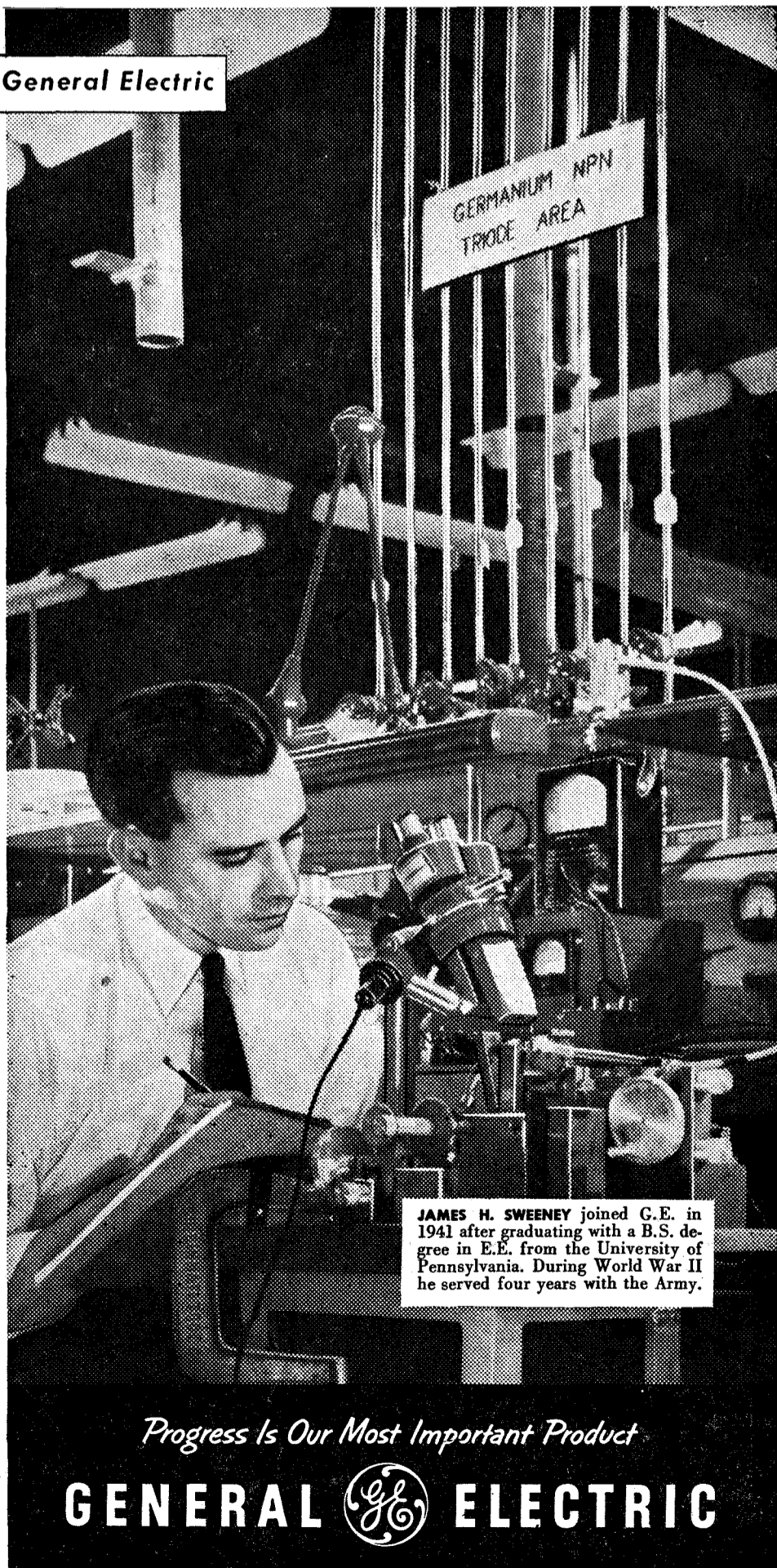
One of the men who helped design and perfect these tiny transistors—and the man who is now head of sales for all General Electric germanium products—is James H. Sweeney, Manager—Marketing, Semiconductor Products Department.

### Sweeney's Work Interesting, Vital

As early as 1948, Sweeney was head of a group that studied the design and possible uses of germanium products. He gained national recognition for his work in developing and introducing these products to other industries, and when a new Semiconductor Products Department was formed in 1953, Sweeney was a natural choice for the job of marketing these products.

### 25,000 College Graduates at General Electric

When Sweeney came to General Electric in 1941, he worked in many different departments until he finally found the work he wanted to do. Like Sweeney, each of the 25,000 college-graduate employees is given the chance to grow, to find the work he does best, and to realize his full potential. For General Electric has long believed this: When fresh young minds are given the freedom to make progress, everybody benefits—the individual, the company, the country.



JAMES H. SWEENEY joined G.E. in 1941 after graduating with a B.S. degree in E.E. from the University of Pennsylvania. During World War II he served four years with the Army.

Progress Is Our Most Important Product

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### Caltech campus

(Continued from page 1) classmate usually lighter than any of the six) into the showers. This activity sets the tone of house behavior for the coming term. Another neat argu-

ment for this type of initiation is, that it relieves tension in those initiated and helps relegate classes to their proper place in overall student life.

It would be nice to devote a small portion of the energies displayed above to some concrete

manifestation of our ingenuity. I've yet to see a frosh brigade assembled to clean up after an encounter; this would help those B&G men who play wet-nurse to the courtyard litterers and also establish precedent for the coming terms.

We all realize the important functions of initiation, however, it is considered opinion of many, that its purposes could better be fulfilled if we geared a greater proportion of the procedure somewhere above the level of high school freshmen.

### Y presents

Ancient Cities of Southern France, a color documentary about sex.

All showings are on Sunday evenings at 7:30 in Culbertson. Admission is 35 cents per person.

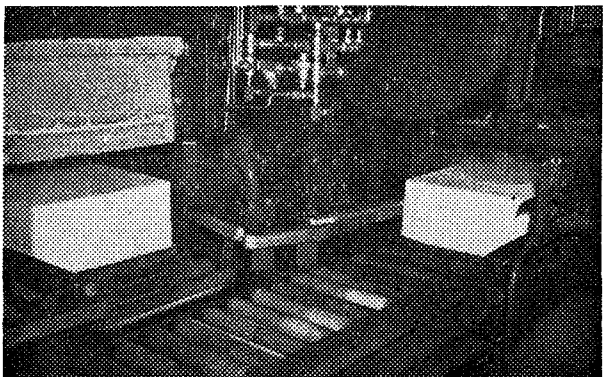
# Clare Gard

## Do you throw it away or make it pay?

"You've heard it said that necessity is the mother of invention?"

"Seems to me plain everyday American initiative is pretty inventive, too. Take the way Union Oil got into the dry ice business.

"Union, you know, supplies much of the natural gas used in Southern California. Well, some years back, we needed to increase the



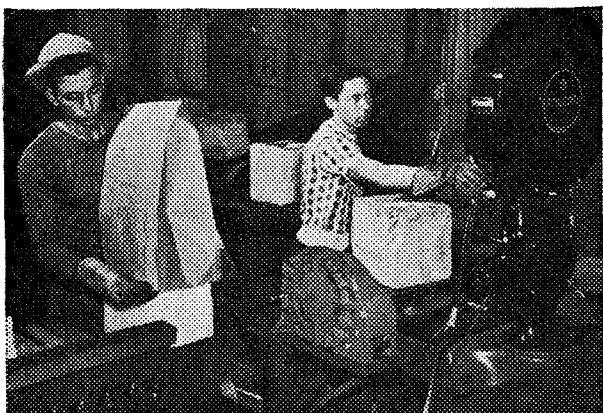
DRY ICE ON THE WAY TO THE CUTTING MACHINE.

heating value of our gas as it came from the field.

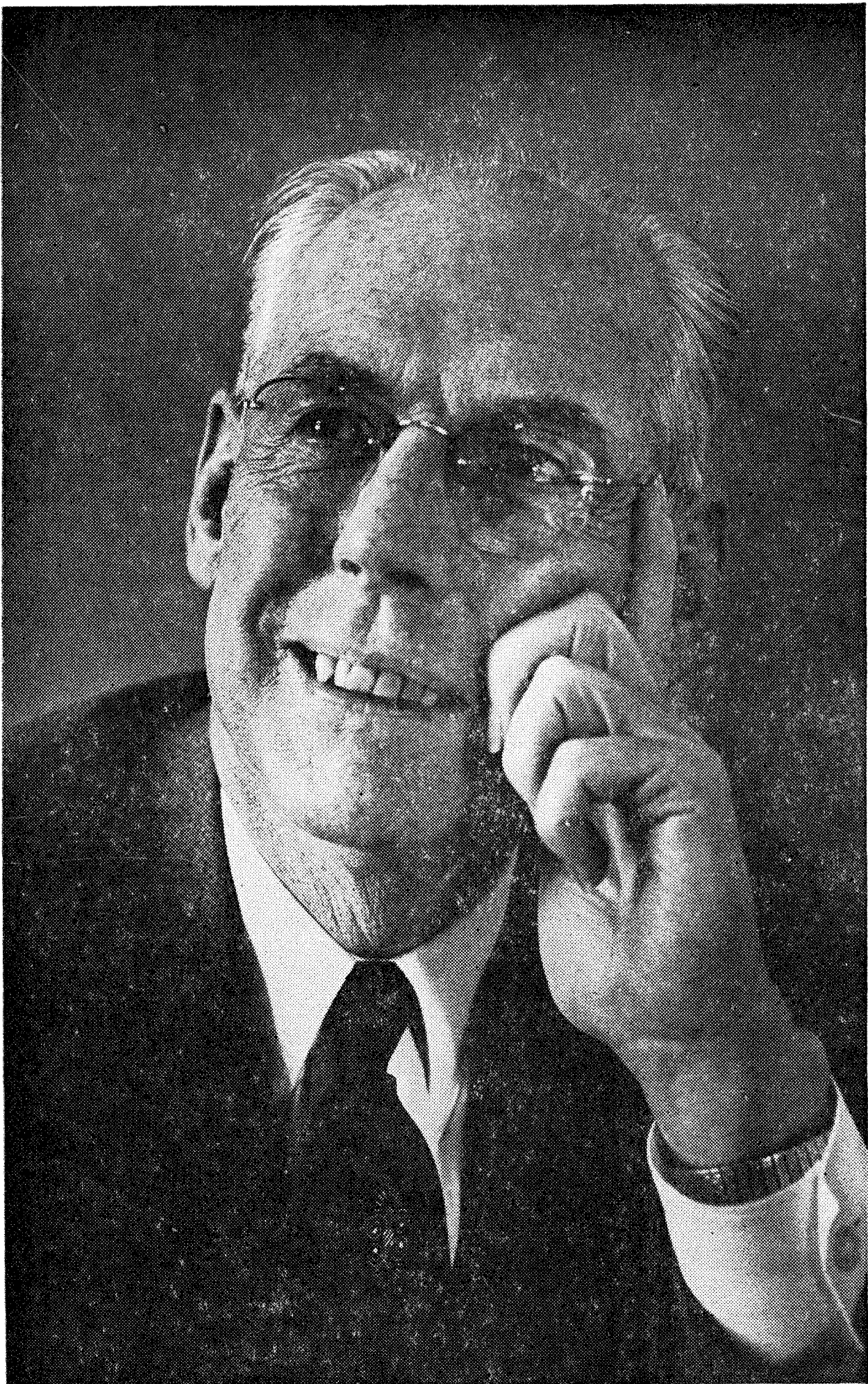
"We had a choice. We could enrich our product by adding other gases to it. Or we could accomplish the same thing by removing the CO<sub>2</sub>, or carbon dioxide, from it. It was purely a matter of economics.

"We experimented removing the carbon dioxide with a process that had, till then, been used for quite a different purpose. It proved so effective it paid us to take out the carbon dioxide, even if we were to throw it away after we got it out of the gas.

"But that's the point. Instead of throwing the CO<sub>2</sub> away, we surveyed the dry ice industry, built an \$800,000 plant at Santa Maria,



THE PACKAGED DRY ICE READY FOR SHIPPING.



CLARE GARD, PROCESS ENGINEER — THIRTY-FIVE YEARS WITH THE UNION OIL COMPANY.

and converted our waste carbon dioxide into dry ice.

"That was 1948. Since then we've produced and sold over 102,000 tons of dry ice. And the plant's about paid for. See what I mean by American initiative?"

\* \* \* \*

Part of the initiative and inventiveness was Gard's, certainly. He was Process Engineer on the Santa Maria project.

A subsidiary company of ours has since built an ammonia plant which also makes dry ice. Union Oil is now the largest producer of this product west of the Mississippi.

So long as you and Gard and all of us continue to enjoy the encouragement and rewards of America's free competitive economy, this kind of inventive initiative will thrive.

YOUR COMMENTS ARE INVITED. Write: The President, Union Oil Company, Union Oil Bldg., Los Angeles 17, Calif.

# Union Oil Company OF CALIFORNIA

MANUFACTURERS OF ROYAL TRITON, THE AMAZING PURPLE MOTOR OIL

# Tech bows to Pomona, vie with L. B. State next

Caltech's varsity footballers reverted to their old ways in dropping a 34-0 decision to the Pomona-Claremont Sagehens Saturday on the victors' field. A combination of loose pass defense, untimely fumbles, and general lethargy enabled Pomona-Claremont to sew up the game early in the first half and let their reserves gain experience while the Beavers tried vainly to get into the scoring column.

Tech's highly touted rushing offense got nowhere against the tough Sagehen line, and quarterback Phil Conley was unable to hit his pass receivers with consistency due to the efficient covering of the P-C secondary.

The Beavers took the opening kickoff back to their own fifteen only to lose the ball two plays later on a fumble on the seventeen. Pomona-Claremont drove quickly for the score and the Beavers were out of the game. Late in the quarter the Sagehens grabbed another Caltech fumble on the Beavers' 33 and scored again to completely demoralize the Techmen. One touchdown each in the remaining three periods completed the Sagehen scoring.

Tech's big moments in the game came in the second half, when the Beavers started their only serious drive, powering to the P-C 31 before they lost the ball on a fumble; and on two spectacular interceptions, one each by Don Stocking and Dick Van Kirk, both of which snuffed out threatening drives by P-C.

Conley and Stocking were just about the entire Tech defense, making one-third of all the Caltech tackles between them. Charley Malone was Tech's main offensive cog, rushing for 45 yards in seven carries for a 6.4 average.

Statistics:

Pomona-Claremont	Tech
First downs .....	14 8
Net yds. rushing.....	198 76
Net yds. passing.....	160 73
Passes att. ....	24 23
Passes comp. ....	8 9
Passes int. by.....	1 2
Fumbles .....	0 4
Opp. fumbles rec.....	3 0
Punting ave. ....	29.8 32.4
Yds. penalized .....	72 18

During that sequence, Bob Ingram, quarterback, was shaken up pretty badly, and deep in our own territory, a wide pitch-out to the halfback was fumbled. In the scramble, the loose ball was recovered by Pomona for an early touchdown. This constituted a real setback to the team's spirit for the rest of the half, the tackling and blocking both being too high.

Another break came Pomona's way late in the first half when a poor center on our own one-yard line was recovered for another Pomona score.

The second half, though, was a far different story. On the opening kickoff, Fred Newman took the ball on his own 20, and proceeded to tear through the entire Pomona team for an eighty yard touchdown run. This was easily the outstanding play of the game.

During the whole second period, Techmen dominated the defense, with Pitzer and Conover playing particularly well. Huebotter and Pitzer both played the entire contest, helping to spark the fine spirit which prevailed over the team during the last half. Newman also turned in an outstanding performance with his fine punting, and with his alert play at defensive end.

Coach Preisler feels that the men are playing up to expectations, and from the second half of play he feels that the team will give an experienced Oxy group a real fight.

**CAMPUS BARBER SHOP**  
In Old Dorm  
Where Everyone Is Welcome  
Paul A. Harmon

## Water poloists in double win

Last week the water polo team came through with a double victory including one over a conference foe. Friday afternoon LA State went under by a 20-4 score in the first league match of the year. The first string played only half the game and scored seventeen points to the opposition's none. The reserves played the rest of the game and were outscored 4-3.

Jim Ball scored five goals in the Beaver scoring spree. Vince Taylor also sunk two. Scoring once each were Chuck Rees, Keith Martin, Ross Brown, and John Thomas. Bill Davis also sunk nine goals. Fine defensive work by guard Ed Park was one of the reasons for the low scoring by the opponents.

Wednesday night saw the Tech waterboys walk over the Alumni in the first Alumni game. The better condition of the team proved to be the difference. Jim Ball scored three, Taylor and Rees two each, Dick Johnson one and Bill Davis four to complete the Tech scoring.

Yesterday the team met LACC and tomorrow they travel to Pomona for the second league game.

## Sportingly yours,

by Bill Davis

The old Caltech bugaboo came through last week at Pomona with a resounding stomp at the hands of the Sagehens. The letdown after finally winning a game was worse than expected in most quarters. One would think that the will to win in our football team was satisfied with just one victory and they could just take it easy the rest of the year.

The whole team seemed very nervous. When you get too nervous an off day is bound to result. It's just too bad that the whole team had to have their off day at once.

Looking ahead to this Saturday's engagement with Long Beach State, the skies don't look too clear. Although in their first year of football, State is a fast developing team with many experienced ball players on it. Their only loss has been to Oxy in their first game. Sad though it may seem, it looks like Long Beach State by a couple of teedees.

The soccer team pulled what is done very seldom by a Tech team, a genuine upset. They really came screaming through to dump a favored Pomona 5-1. Looks like they aren't going to be their scheduled cellar dwellers. As Coach Huttenback in his typical modest style so aptly put it, "Superior coaching always comes through."

This week will see a sharp rise in the quality of competition for the water polo team. It looks like no more easy victories. If the team does come through this year, it will be largely due to a superior defense rather than an overpowering offense.

## Interhouse sports

by Pigeeyes

Dabney House emerged as the leader in Interhouse Softball after the first week of play. Behind some tight fielding and timely hitting they conquered Throop 11-5, Ricketts 10-2 and Fleming 5-2. With only one game remaining on their schedule they have clinched at least a tie for top honors.

Ex-football player Ted Lang's fireballing led Blacker House into the runnerup spot as he blew down Fleming 8-2 and Throop 10-2. Against Ricketts, however, his wildness cost him and the Rowdies triumphed 5-4 with a late scoring splurge. Fleming's lone victory during the past week came over a weak Throop team by a score of 17-3. Vic Johnson hit two home runs and Jim Welsh struck out eight for the victors.

In the first Interhouse Cross Country race of a mile and a half Blacker emerged on top followed by Dabney with Fleming and Ricketts tied for third. The individual winner of the first race was Danny Wulff of Ricketts by a close margin over runnerup Dave Yount of Fleming.

## Booters bounce Sagehens, 5 - 1

A vastly improved Varsity soccer team shellacked Pomona in what figures as one of the most surprising upsets of the season. Led by the aggressive play of the front line, the defense held the opponents scoreless until late in the last quarter. Scores by Norton and Serdenegcti in the first period got Tech off to a fine start, another by Boertcher finishing off the half. Then, in the third quarter, Serdenegcti scored again, with a final goal by Larry Tenn in the fourth, finishing things.

Stfansson, Weiner, Howell, and Barry rounded out the defensive scene, all giving a great hand in breaking up the scoring plays before they could reach Arney Kalm in the goal. A strong Cal Poly team is the target for next week.

The J.V.'s played up to their best, but still lost to a very experienced team from Midland, 4-1. Phil Thatcher making an outstanding showing at halfback, led the spirited first half where Tech dominated the play.

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# audience

## Music

"Los Angeles is not unique in being an American city without its own opera company, but it is perhaps the most fortunate of towns in that category in that it is close enough to San Francisco to permit that civilized community to share its entire opera season with us." —LA Times

With all the rivalry there is between SF and LA, you can be very sure that the San Francisco Opera Co. must be tops in order to see things like the above printed in LA. And so it is; the SF Opera ranks with the NYC Opera and the Met as being the three top companies in the US. Since almost all of the stars change affiliation from time to time, I would not venture a guess at which is the best of the three, but the point is that no one even comes close west of Buffalo.

The list of internationally renowned stars goes on and on, but here are some of the most well-known: Leonard Warren, Dorothy Kirsten, Robert Weede, Inge Borkh, Jan Peerce, Licia Albanese, Dorothy Wrenskjold, Nell Rankin, and Clarence Turner. Renata Tebaldi may not be as well known as some of the above, because she has only been singing in this country for a couple of years, but already she is one of the most popular singers in the Italian category. Mattiwilda Dobbs, the young American Negro soprano and Elisabeth Schwartzkopf are newcomers but with top billing. Advance word on them is nothing less than fabulous. The press notices on Miss Schwartzkopf read like Mickey Mantle's.

For the newly-interested Techman audience recommends "Aida," "Faust," "I Pagliacci," "Carmen," and "Madame Butterfly." In the Shrine Auditorium all the seats are good, so it pays to get the cheap ones. But hurry before they all run out.

Here is the complete list of the operas being performed by SF Opera and the latest word on the price ranges of the seats that are left.

- Fri Oct 21 8:00 "Andrea Chenier" by Giordano. \$1.50-\$10.00
  - Sat Oct 22 8:00 "Tosca" by Puccini. \$2.50-\$6.50
  - SuSn Oct 23 3:00 "Lohengrin" by Wagner. \$2.50-\$6.50
  - Tues Oct 25 8:00 "Louise" by Charpentier. \$1.50-\$6.50
  - Wed Oct 26 8:00 "Aida" by Verdi. \$4.00-\$6.50
  - Fri Oct 28 8:00 "Der Rosenkavalier" by R. Strauss. \$4.00-\$6.50
  - Sat Oct 29 8:00 "Faust" by Gounod. \$4.00-\$6.50
  - Sun Oct 30 3:00 "Le Coq D'Or" by Rimsky-Korsakoff and "I Pagliacci" by Leoncavallo. \$2.50-\$6.50
  - Tues Nov 1 8:00 "Bacbeth" by Verdi. \$1.50-\$6.50
  - Wed Nov 2 8:00 "Carmen" by Bizet. \$2.50-\$6.50
  - Fri Nov 4 8:00 "Troilus and Cressida" by Walton. \$1.50-\$6.50
  - Sat Nov 5 8:00 "Don Giovanni" by Mozart. \$4.00-\$6.50
  - Sun Nov 6 8:00 "Madame Butterfly" by Puccini. \$4.00-\$6.50
- PASADENA CIVIC AUDITORIUM presents a "Gala Perform-

ance" by the SF Opera Co. Thurs Oct 27 8:00. "La Boheme" Act I, "La Traviata" Act II, "Rigoletto" Act III. \$2.50-\$6.50. Mattiwilda Dobbs gives a recital Tues Nov 8 8:15. \$1.25-\$3.50.

PHILHARMONIC AUDITORIUM also presents Mattiwilda Dobbs Mon Nov 7 8:15. Other concerts are Erna Sack Wed Nov 9, Santa Cecilia Choir Fri Nov 11, and Don Cossack Chorus Sat Oct 29. All perf at 8:15. \$1.10-\$3.30 for Don Cossack, \$1.25-\$3.50 for others.

SADLER'S WELLS BALLET will be in LA Nov 18 thru 27. This is another internationally famous group that shouldn't be missed.

## Theatre

THE DESPERATE HOURS. Suspense thriller starring William Gargan, Nancy Coleman & Richard Jaeckel, with the original NY production. Closes Oct 22. Carthay Circle Theater, 6316 San Vicente, LA. Eves 8:15, matinees Wed and Sat 2:15. Eves Mon thru Thurs \$1.65-\$3.00. Fri, Sat & Sun eves \$1.65-\$3.85. Mats \$1.10-\$2.75.

MR. PICKLES IN LAS VEGAS closes Oct 30 at the Civic Play-

house, 755 N. La Cienega, LA. Nightly (except Mon) 8:15. Sun matinee 2:15. Eves \$1.20-\$2.40. Mats \$1. HOPALONG YOSSEL starts Nov 1.

THE MAN. Stars Billie Burke and Douglas Dick. Nightly (except Sun) 8:15. Wed & Sat mats 2:15. Huntington Hartford Theatre, Hollywood & Vine. Eves \$1.65-\$3.85. Mats \$1.10-\$3.30.

RECLINING FIGURE. Comedy hit starring new Hollywood discovery Charissa Hughes closes at the Pasadena Playhouse, 39 S. El Molino, Pasa. Oct 29. Nightly (except Mon) 8:15 \$1.20-\$2.40. Matinee Sat 2:15 \$1.20-\$1.80. THE FOUR POSTER (spicy) opens Oct 27.

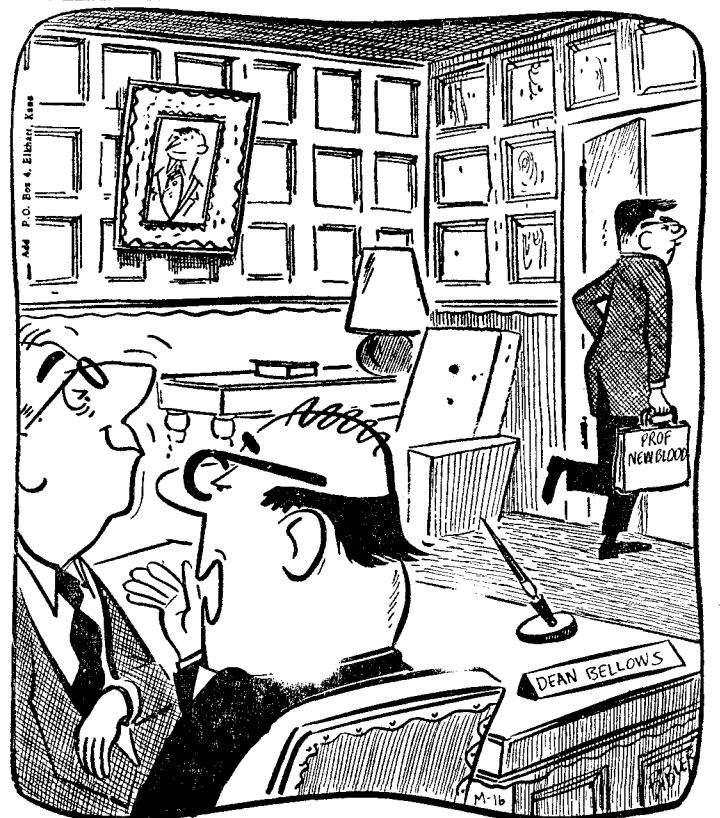
FRESH FIELDS by Ivor Novello is playing at new "theatre-in-the-round," the Pasadena Town Hall Theatre, 805 E. Green, Pasa.

EDUCATING EVE. New comedy by Arndt Giusti. Tues, Wed, Thurs, Fri & Sun eves 8:15. 2 perf Sat eve 7:30 & 9:45. Patio Theatre, 7080 Hollywood Blvd, Hollywood. \$1.25-\$3.

THE SEVEN YEAR ITCH. Hit Broadway & film comedy. Producer Nick Stewart heads all-Negro cast. Ebony Showcase Theatre, 3020 Crenshaw Blvd, LA.

## LITTLE MAN ON CAMPUS

by Dick Bibler



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