

## DUBRIDGE INSTALLATION TUESDAY

### Improved Tech Machine Faces Redlands Tonight In Rose Bowl

Expect Big Crowd At Last Home Game

Traveling to the Rose Bowl for the last time this season, the fighting Beavers of Caltech will make their final home stand against the Redlands Bulldogs tonight at 8 p.m. Somewhat shaken by their defeat at the hands of Whittier last week, the Beavers have been working hard in practice to iron out the rough spots in the Tech offensive.

#### Bulldog Record

The men from Redlands also bogged down somewhat last week, when Pomona, after losing five straight games, held the favored Bulldogs to a hard-fought 6-6 tie. However, Redlands will go to the bowl tonight one half game ahead of the Beavers in league standings, as the Bulldogs boast a record of one win and one tie against the Caltech standing of one win and one loss.

Although they got off to a rather slow start and have been bothered by injuries during the season, the Bulldogs have been playing consistently better ball, and will be a hard team to beat.

Continued on Page 3

### Tau Beta Pi Honors Seventeen Pledges

#### Annual Display of Bent Signifies Pledge Week

At a meeting on Thursday, October 31, fourteen seniors and three honor juniors were elected to one of the highest of undergraduate honors, membership in Tau Beta Pi.

The large copy of the Bent hanging in front of Throop indicates that pledge week is in progress.

The pledges are—Seniors: G. Thomas, R. Bearson, F. Bowerman, R. Breece, R. Hawthorne, R. Kenney, H. Kuhn, H. Lewis, D. MacLean, J. Mays, D. Meier, A. Mueller, C. Sturdevant, and J. Terry. Juniors: C. Murphy, W. Christopherson, and T. Stix.

These men have demonstrated by outstanding scholarship and by participation in school affairs that they have the potentialities of successful engineers.

### CAMPUS CALENDAR

#### Friday, November 8—

Rally — Fleming courtyard, 12:30.

Lecture by Dr. Howard S. Seifert on "High Altitude Rockets", 7:30 p.m. in Room 201 Bridge.

Caltech vs. Redlands in Rose Bowl, 8:00 p.m.

#### Saturday, November 9—

Inter-House Dance, 9:00 p.m.

#### Monday, November 11—

Dr. Charles L. Mowat of U.C.L.A. on "British Imperialism, 1946", 7:30 p.m., 119 Kerckhoff.

#### Tuesday, November 12—

Dr. DuBridge inauguration at Pasadena Civic Auditorium.

#### Wednesday, November 13—

AIEE-IRE Meeting in 206 Dabney, 4 p.m. Speaker, Mr. W.

### World Student Relief Drive To Be Launched Next Week

Following a meeting of student leaders, Jack Ottestad, "Y" Vice President, announced today that a drive for world student relief will be held on the Tech campus Nov. 18 to Nov. 21.

#### "Y" to Sponsor Assembly

At next Friday's assembly, which the "Y" will sponsor, qualified speakers will present aspects of the drive to the assembled students.

The drive is part of an international campaign to raise \$2,000,000 in colleges and universities to aid students in war-ravaged areas. The money will comprise a World Student Service Fund.

#### Need Great

James Glasse, Occidental '45, who traveled in Europe this summer, and Henrietta Rosenburg, a Dutch student and an active member of the underground during the war, told a group of students on the campus last week of some of the tragic needs of the

students of Europe and China.

A tremendous inflation has made student life almost impossible in China at a time when over 90,000 students are hiking back to the coast to the traditional cities of their universities.

From Athens to Warsaw, tuberculosis looms as a mortal threat to thousands of students. In addition to the need for food and medical care, thousands are still behind barbed wire either as displaced persons or prisoners of war.

#### Significance of Drive

Ottestad stated that he feels that the significance of the drive is that it affords students and faculty a concrete means of expressing a common bond with students around the world.

Funds raised here are sent abroad and administered by an international, interdenominational organization, and are made available on the basis of greatest need without reference to race, color, or creed.

### ASB Semi-Formal Set For Nov. 16

The first Student Body dance of the year will be held Saturday night, Nov. 16, commencing at 9 p.m.

The smooth orchestra of La Verne Boyer will furnish music for the affair, which will be held at the Altadena Recreation Club.

The event will climax a full day of activities for Beavers, including a gridiron clash with the Pomona Sagehens at Pomona during the afternoon.

The dance will be semi-formal. Girls will wear formal attire and Techmen should wear dark suits. Admission will be made upon presentation of Student Body cards.

The Altadena Recreation Club is located at 3385 No. Lake Ave.

C. Smith on "New Electrical Horizons."

#### Thursday, November 14—

Fleming House Stag.

CIT Student Chapter of ASCE meeting at 155 Arms, 4 p.m. Speaker, Mr. Julian Hinds on "Flow in Pipes."

ASME meeting, 6:30 p.m., at C. F. Braun Plant, 1000 S. Fremont Ave., Alhambra. Speaker, Mr. Carl F. Braun on "Engineer and Industry."

#### Friday, November 15—

Dabney Record Dance, 8:30 p.m.

Ricketts PJC Exchange Dance. ASB Semi-Formal Dance, 8:30 WSSF drive.

#### Saturday, November 16—

Caltech vs. Pomona, there, 2:30. ASB Semi-Formal Dance, 8:30 p.m., at Altadena Recreation Club.

### Big Inter-House Dance Saturday

#### Romantic Settings; Five Orchestras Featured

Five separate orchestras will feature the inter-house dance tomorrow night at 9, with each house and Throop Club using a different theme for the decor of its lounge.

#### Fleming and Throop

Fleming House and Throop Club, which combined last spring in the production judged the best, a French water-front dive, will be independent this time, Throop getting music from Harry Brainard's 7-piece band to charm the atmosphere of its Arabian Nights setting, while Fleming will have a 6-piece combo in a Sadie Hawkins Day rig.

Blacker, the runner-up last time with a gambling ship hold, now is going all-out with Rod Rodriguez' 10-piece orchestra. The layout has not yet been named, but it will probably be a surrealist treatment of a "Lost Week-End" theme.

#### Ricketts and Dabney

Ricketts House is switching from last year's Oriental den to a Cuban frontier dive and jungle clearing, while Dabney with Ed Roemer's 5-piece combo, will simulate a Paris cafe.

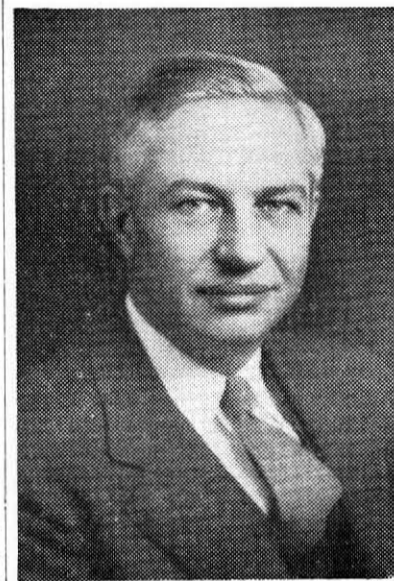
### Song Contest

\$10.00 awaits the winner of the school song contest to be held from Monday to Friday of next week. All copies, complete with words and music, must be into Frank Wolf by Friday and will be judged by Audrey Stong.

### Caltech President To Be Inaugurated At Ceremonies In Pasadena Civic Auditorium

#### Dr. Karl T. Compton Principal Speaker; Student Body Officers In Procession

The formal inauguration of Dr. Lee Alvin DuBridge as President of the California Institute of Technology will take place in the Pasadena Civic Auditorium at 3:00 P.M. next Tuesday, November 12. Classes will be dismissed at 2:00 to allow students and faculty to attend.



Lee Alvin DuBridge

#### James R. Page to Preside

James R. Page, Chairman of the Board of Trustees of the Institute, will preside at the inaugural ceremonies which will include an address by Dr. Karl T. Compton, President of M.I.T., a distinguished scientist and educator and a key figure in the nation's wartime research.

#### Dr. Millikan to Speak

Following Dr. Compton's speech, Dr. Robert A. Millikan, recently resigned after twenty-five years as Chairman of the Executive Council of the Institute, will introduce the new President, who will discuss plans and hopes for Caltech's future development.

#### Procession Before Ceremony

The inaugural ceremonies will be preceded by an academic procession into the auditorium, headed by Dr. DuBridge and Mr. Page, and including visitors and delegates from other institutions. Representing the Caltech students will be Lang Hedrick, Associated Student Body President; John Mason, Senior class President; Sage Burrows, Junior President; David Brown, Sophomore President; and David Warren, Freshman Chairman.

#### Distinguished Guests

Among distinguished guests attending the ceremonies and appearing in the procession will be: Dr. Vannevar Bush, President of the Carnegie Institute of Washington, D.C.; Dr. Frank B. Jewett, President of the National Academy of Sciences; Dr. Ernest O. Lawrence, Nobel Laureate from the Radiation Laboratory at the University of California; Dr. Russel D. Cole, President of

Continued on Page 4

### Dr. Mowat Heads Forum Mon. Eve.

#### British Imperialism Theme of Address

Dr. Charles M. Mowat, one of a group of young, brilliant British historians in the U.S., will be featured speaker at the World Forum Monday, November 11, in 119 Kerckhoff at 7:30 P.M.

Dr. Mowat is the son of Dr. R. B. Mowat, distinguished British Historian and author of over a dozen authoritative books on English History, and has himself written a book, "East Florida as a British Province," which was excellently reviewed.

#### Controversial Writings Create Stir in Historical Field

His fresh approach and penetrating interpretation of the modern English scene as expressed in articles for the American Historical Association and the Huntington Library Quarterly has raised storms of debate for and against his views.

#### Becoming Authority

Although only 35, Dr. Mowat is rapidly being recognized as an authority in the field of Modern British Imperialism and is at present writing a book on that subject.

He is now Assistant Professor of History at U.C.L.A., a college that is noted throughout the country as a leader in the study of English History.

#### NAVAL RESERVE MEETING

Training and Action films will be featured at the weekly meeting of the Pasadena Naval Reserve this Tuesday evening, November 12, at the American Legion Hall, 131 N. Marengo Ave. This meeting will replace the regular Monday evening meeting due to the Armistice Day Celebration.

### NDRC Awards To Be Presented Nov. 14

#### War Efforts Receive Government Recognition

In a ceremony to be held at 4:00 P.M., November 14, in Culherston Hall, awards for meritorious war service will be presented to members of the Caltech NDRC organization. Presentations will be made by President DuBridge, Admiral Holmes and Dr. Knapp.

The National Defense Research Council was the civilian research organization mobilized by the government to expedite war technology. Among the many accomplishments of the Caltech branch were the development and manufacture of military rockets, studies on jet propulsion and designs of hydrodynamic shapes for underwater missiles.

# The California Tech

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## Guard Your Health

A new Health Program has been instituted at Caltech this semester. All students should be aware of the services available and should not hesitate to take advantage of them.

A Registered Nurse, Mrs. J. D. Johnson, is on duty from 8 a. m. to 4 p. m. on weekdays and from 8 a. m. to 1 p. m. on Saturdays. The regular Institute physician, Dr. E. D. Kremers, will be on campus from 2 to 6 p. m. daily and from 1 to 2 p. m. on Saturdays. The Student Health Office is located in 104 Kerckhoff and the telephone extension is 397.

Both these well qualified people are here to help keep the students of Caltech in the best of health and to aid them in case of illness or injury. Mrs. Johnson will call upon students living in the student houses or off campus in Pasadena or vicinity should they be unable to apply at the Health Office for treatment.

Under this new program, wives and children of undergraduate and graduate students may visit Dr. Kremers for consultation or treatment for the unusually low rate of one dollar per visit. This service is one that should not be passed over lightly. Health is of prime importance in achieving high scholastic standings. Take care of your health but if you need help, do not hesitate to call upon Dr. Kremers or Mrs. Johnson.

## Student Group Active Here

The Inter-Nations Association, established here in November, 1945, now represents about twenty nations in its membership.

Its purpose, "to promote better relations and cultural understanding among all nations," is furthered by group discussions where students can exchange philosophy and ideals of their respective countries.

The Association also holds dances, picnics, and publishes a monthly bulletin.

Membership is open to everyone, foreign or local; those interested should contact the chairman, Tom Oberbeck, in 357 West Bridge.

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## Men Of Science, Enter Politics!

Do you lie awake nights, worrying about the next war? Or is it usually the next test? If it's the latter, you fall into the group which is the best represented on campus. Anyone else, you might conclude, is either the instructor or a Tau Bate. However, there are a few who fit into the first category, and they're quite lonely, if the general attitude on campus is any indication. And they are not only worried about the possibility of another war, but about the attitude of people about them.

Anyone who can read realizes that the world political situation is not getting much better and that "something should be done." Most of us, however, are inclined to think that it is someone else's worry, or that we are far too busy to be effective in meeting the situation.

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# THE SQUARES' CIRCLE

To the editor of the last "Musical Baedeker":

You have been pounding into the ears of everyone the virtues of so-called jazz. I shall extend my neck far enough to say that four out of five people in this country do not have any interest in that form of music, and that four out of four do not care. Given, that when one goes on a date, the main object in view, along entertainment lines is, say, music.

Do Integral Joe and his girl friend Eutectic want to spend the evening in a small joint listening to half a dozen men play six different tunes simultaneous? No, they don't.

You mentioned several bands which you condemned because of their commercialism and/or style. Well, not everyone goes just to listen. Personally, when I go on a date, I want to see and hear a band that makes my date's presence more important than a bunch of vibrating musicians.

Judging by some of the crowds and the prices paid to see the commercial outfits, I feel that I am in a majority.

No, we are not musicians, and we don't care. We want to have a good time and like it. We do.  
Yours truly,  
William J. Johnston (Icky)2

### Change of Attitude Essential

Why should this attitude prevail? Are we, as students of science, as members of an intellectual community, and as citizens of a great democracy entitled to be a handful of fatalists? Obviously not. We must become very intent on solving the problems of peace, for they will likely be there for some time.

While students may well be ineffective in their present position, they will eventually have positions of responsibility and influence, and must avoid a cynical or reclusive attitude toward world politics. Certainly the world would lose if our engineers and scientists were to maintain such an attitude. Politics may be corrupt, but it can't become worse if we have a more informed electorate. Since the scientific portion of the world's population is so important, it follows that they must be very interested in the future of the world, as well as their own nation.

What has all this to do with you, and how you can do something to better things, without quitting school? Why not inform yourself to start with, by coming to the next Student Federalist meeting to be held in 205 Dabney Thursday evening, November 14, at 7:00 P.M.

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## Palomar Mirror Nears Completion

Test-checks To 2.5w

A recent check of the 200-inch Mt. Palomar Observatory mirror showed the big glass to be only 2.5 wave lengths away from completion.

Thus, a project which was begun in Corning, New York, late in 1934, nears completion on the Institute campus.

In December, 1934, the glass for the huge mirror went into a Corning Glass Company mold, where it cooled for over a year, safely weathering a snap flood, which cooled it 72 degrees in as many hours in the process. It was brought west by train over a special route which allowed for the large clearances necessary, insured by Lloyds of London.

Shortly after its arrival here, the mirror was rough ground to a spherical surface, but the development of an adequate support system for the delicate grinding to follow delayed further work until 1938.

### War Interferes

By 1941 the mirror had reached a paraboloid state, then war interfered and work was not resumed until early this year.

Grinding checks are made in the optical shop where cork board insulation in walls and ceilings and a six-foot sand and gravel insulation for the floor help to maintain almost constant atmospheric conditions.

### May See Use in 1947

Use of the mirror at Palomar is hoped for in 1947, although no exact date can be given. Dr. John A. Anderson, Executive Officer of the Observatory Council, a graduate Phi Beta Kappa from Johns Hopkins, is in charge of the grinding operation.

### Visitors Welcome

The visitors gallery at the Optical Lab is open from 9 a.m. to 4:30 p.m. each day, Monday through Friday, for the convenience of all interested in seeing the grinding in action.

**Ice Skating**  
Daily 2:30 to 5, 7:30 to 10:30  
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## Items Of Interest For Caltech Vets

We have received notice of several important details sometimes neglected by veterans training under the G.I. Bill. Here they are.

Some veterans are keeping their certificates of eligibility which have recently been sent to them by the VA office. These certificates must be signed and turned in at the veterans' desk in 112 Throop before the VA can start sending subsistence checks.

Any veteran starting a part-time job should not neglect filling out another form, entitled Estimate of Compensation From Productive Labor, to indicate his change in income. Also, if you did not fill out one of these forms for the VA officer on registration day, you should do so immediately or your subsistence checks may be stopped. The forms are available in 112 Throop.

Do not forget to notify the VA if you move, even if only to another place in the city, because the post office will not forward subsistence checks. For speed and convenience in notifying the VA, give your new address either to the VA officer, when he is on the campus, or to Mrs. Collings in 112 Throop.

Mr. John R. Moroney is the new, and we hope permanent, VA training officer for Caltech. He may be seen in 309 Dabney on Monday or Wednesday.

—Warren Christopherson.

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## Improved Tech Team Faces Bulldogs

Continued from Page 1

Using a "backwards" T formation, the Bulldogs are noted for their different spread formations and their razzle dazzle type of football.

### Tech Practice

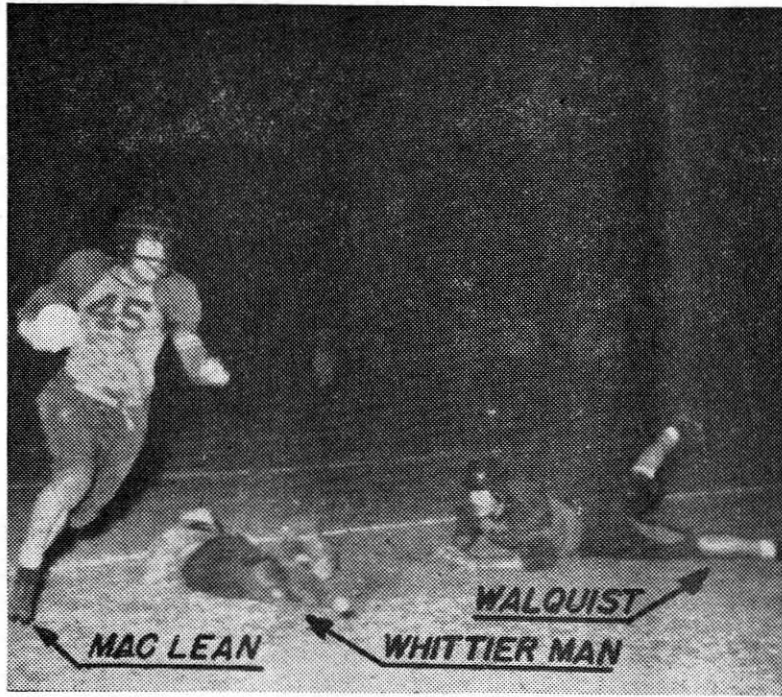
Tech practice for the game tonight has stressed fundamentals, including a lot of work on the Beaver line, which took the brunt of the driving Whittier offensive last week. Late in the week, the Beaver's eager freshman lined up some of the hands plays to give the varsity an idea of what they will do tonight.

### Activities

Signs point toward a large crowd this evening, as this will be our last home game. Eager Beavers are urged to show up early so that the rooting section will be well organized. The Rally Committee announced that we will again feature card stunts during half-time, and requests all Techmen and their dates to the game wearing something white, to present a uniform background for the cards. Following the game there will be a dance on the campus at the Dining House and Throop Club where everyone invited. Game time 7 p.m. Latch on to a ride and there!!

### Probable starting line-ups:

Barb	R.E.L.	Flowers
Walquist	R.T.L.	Broaders
	R.G.L.	Duncan
Kenna	C.	Hoffman
Long	L.G.R.	Rickson
Long	L.T.R.	Curtiss
Wode	L.E.R.	Richards
Winters	Q.	Corwin
Wheeler	L.H.R.	Hackleman
Wink	R.H.L.	Runner
W. Lean	F.	Stewart



Doug MacLean rips off some yardage in last week's game against Whittier.

## Interhouse Sports

### Blacker Wins Discobolus

Blacker's tennis team beat Fleming's, rewinning the discobolus. The Blacker five won in a show of power that left the Fleming five somewhat dazzled. The contest was played in five singles matches. Blacker won four of them with rather unbalanced scores. After losing enough games to lose the trophy Fleming rallied to win one. The scores are significant of Blacker's relative tennis talent over Fleming.

Nobles (B.) def. MacGinitie (F.), 6-0, 6-0; McGrange (B.) def. Stokley (F.), 6-1, 6-0; Bryan (B.) def. Glover (F.), 6-3, 6-4; Caldwell (B.) def. Holtby (F.), 6-1, 6-3; Shore (F.) def. Bear (B.), 6-1, 6-4.

### Fleming Leads in Cross Country

Fleming is slightly ahead of Blacker in the cross country. The other houses didn't qualify. In the 2-mile event Fleming was 1 pt. ahead while in the 3-mile Fleming was 6 pt. ahead. The 4-mile will be run today at 4:30 p.m.

### Softball—Ice Cream to Winner

Ice cream desserts were bet in the Blacker-Ricketts and Dabney-Ricketts games. Using its superior hitting power, Ricketts came up from behind to win the Blacker game (11-6). The Dabney-Ricketts game was fought to a tie (6-6) in a four-inning battle that lasted so late that players were groping around in the semi-twilight.

## Water Polo Team Swamped By Bruins

### Fast, Rough Uclans Are Too Much for Techmen

Tech's water polo team met a speedy Uclan squad last Friday, getting the worst of a 10-3 score. The Bruins showed well in speed and quantity, but lacked endurance, with over 20 men in the game, while Merricks' men totaled a dozen.

Dixon, Reinicke, and Murphy each tallied a score for the hydraulic engineers, after making 5, 4, and 2 attempts each.

The whole shebang, pool, game, players, and spectators was nearly blown clear out of Westwood early in the first period, when a very stiff breeze blew in from the desert and, combined with oncoming darkness, threatened to make a North Atlantic night out of a jim-dandy polo game. However, the players saw well enough to climb out of the pool with the final whistle, and give a rousing cheer.

The result of the Compton game this last Wednesday was 13 to 4, in favor of Compton.

Next Tuesday the mighty Techmen take on UCLA at PJC.

### Notice, Basketball Managers

Practice starts soon. Players should sign up in Room 14 T. Managers are needed. Sign up now!

## FOOTBALL PREDICTIONS

Game	Sorensen	Goldsworthy	Musselman	Nerrie	Anderson
USC	USC	Cal	USC	Cal	USC
Cal	20	7	7	6	6
Ore. U.	UCLA	UCLA	UCLA	UCLA	UCLA
UCLA	28	20	13	13	12
Wash. U.	Stanford	Stanford	Stanford	Stanford	Wash.
Stanford	12	6	14	7	6
Ore. State	Ore. State	Ore. State	Ore. State	Ore. State	Idaho
Idaho	18	13	27	6	7
N. Dame	D.	Army	N. D.	Army	N. D.
Army	6	13	14	7	7
N. West.		Indiana	Indiana	N. W.	N. W.
Indiana		6	3	12	12

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Whittier	2	0	0
Redlands	1	0	1
Caltech	1	1	0
Pomona	0	1	1
Oxy	0	2	0

### LAST WEEK'S SCORES

Caltech, 7; Whittier, 19.  
Redlands, 6; Pomona, 6.  
Oxy, 12; San Diego, 21.

### PASADENA BOWLING COURTS

970 East Colorado  
Rendezvous of Caltech Bowlers  
Open 11 a. m. to 1 a. m. SY 3-1341

## Beavers Lose 19-7 To Whittier Poets Before 5000 Frigid Fans

### Tech Line Unable To Block Poet Plunges; Backfield Performs Well For Home Team

Tech football hopes hit somewhat of a snag last week when the Whittier College Poets handed the Beavers their first loss, by a 19-7 score. The game was played before about 5000 very cold fans on Whittier's Hadley field. Trailing, 7-6, at the start of the second half, the Poets marched 70 yards to their second, and what turned out to be, the deciding touchdown.

### First Half

The Poets opened the scoring, when, after a see-saw first half, they moved down the field in a sustained drive of about 50 yards, and scored on a line plunge by Captain Buck Jarnagan. The conversion was blocked. The Beavers, never out-fought, roared right back and worked the ball down field with reverses and end sweeps,

### Sports Here 'n There

#### Rose Bowl Tonight

Our game in the Bowl tonight should be an especially interesting one, particularly for the fans. Redlands has always played a wide open, daring type of football, and tonight should be no exception. Don't be too surprised if Tech shows up with a few changes. The game at Whittier showed up some weak spots which the fellows will try to fill up. Be on hand to root for the gang tonight. There's always a way to get there, and they'll be a better team with real support.

#### Big Bill

Bill Muehlberger, big fullback, is really a gentle soul at heart. Seems that his hobby is reading Greek poetry, and that his favorite poem is about Venus and some guy. Check this with Bill.

#### JV Football

Maybe the most Eager Beavers on the campus, the Freshman, or Junior Varsity football team, are at last going to get their chance to shine. Coach Anderson has announced a scrimmage for these boys this week, followed by a game on our field on November 15 (Friday) at 4 p.m. with the Redlands College JV's. Let's all turn out and give these hard-working boys a good crowd for their first game.

#### Basketball

Paul Saltman, Athletic Manager, announced that basketball practice will start in the very near future, and urged all men that can handle the apple to sign up immediately.

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# "China Pivotal!" --Cole To Forum

**U.S. Must Impartially  
Relieve Tension; Cut  
Rightist Military Support**

"If we take no steps to alleviate the tension in the present Chinese situation it is quite possible that China will become a second Spain!" were the words of Dr. Allen B. Cole, associate professor of Oriental Affairs at Pomona College and longtime resident of China, to the YMCA "Threats to World Peace" Forum in 119 Kirchoff last Monday night.

Stating that China and Germany are the key pivot areas in the world today, he introduced his subject with a careful and interesting analysis of the history of China over the last decade.

**Tensions Must Be Relieved**

Dr. Cole pointed out that tensions must be relieved by evidence of U.S. impartiality, and that the compromise must be the work of a committee composed of Chinese Nationalists and Communists, the U.S. and Russia, with more definite agreements between Russia and the U.S. concerning withholding of military aid.

**Communists to Have Veto Power**

"Three factors," he said, "are basic to a coalition government. The nationalists should have the largest single representation, but the Communists must have a veto power, or they will be consistently outvoted and destroyed (witness Greece). And the middle groups should hold the balance of power".

Dr. C. Y. Fu and Dr. Mung participated in the discussion and question period following the talk.

**DuBRIDGE INSTALLED**

Continued from Page 1

Cornell College, Iowa, where Dr. DuBridge attended school; Dr. Alan Valentine, President of the University of Rochester, where Dr. DuBridge was head of the physics department before coming to Caltech.

The visiting scientists and dignitaries will attend a luncheon at the Athenaeum just before the inauguration; after the ceremonies they will return there for a reception for President and Mrs. DuBridge.

Dr. Bush to Talk at Dinner Wednesday night Dr. Vannevar

# Musical Baedeker

The frustrated music lover on campus will finally get his break in the near future. The Pasadena Philharmonic Committee, in cooperation with the Southern California Symphony Association, has arranged an excellent series of concerts for the coming winter months. Several world-famous artists will make personal appearances at the Civic Auditorium, and the concert series will be climaxed with four appearances of the Los Angeles Symphony Orchestra. This excellent symphonic group, under the able direction of Alfred Wallenstein, has been praised several times within this column as one of the country's outstanding orchestras; it has been one of the few bright spots in the otherwise dark musical scene in Southern California.

**First Appearance Soon**

The first appearance of the orchestra is scheduled for Monday night, December 2nd; the piano artistry of Byron Janis will be featured. Janis, only pupil of the great Vladimir Horowitz, is making his Pacific Coast debut after receiving great acclaim by critics in the east.

**Tickets Reasonable**

The Civic Auditorium is offering season tickets at very reasonable prices ranging from \$3.60 to \$9.60; they may be obtained by writing to Mr. Elmer Wilson, Civic Auditorium. Orchestral programs have not been revealed at press time but will be printed in this column within the near future.

Bush will be the principal speaker at a dinner at the California Club given by the Board of Trustees of the Institute in honor of Dr. and Mrs. DuBridge. He will be followed by Dr. Millikan, Mr. Page and the new President.

# Campus Brewins

Rumor has it that the notorious Ricketts brake drum is missing. Have you Rowdies heard that odd ringing sound over in Blacker lately?

Jep Wade's latest heart throb is a lovely redhead named Topaz. Jep insists that she is a sweet, wholesome young American girl and is a superb dancer also.

We have just received the latest cross-section of Scripps opinion regarding Tech men. We can readily understand why they say that Blacker men are by far the smoothest and that Ricketts men are such wonderful "he-men", but their characterization of Fleming men as "moldy" has us a bit puzzled. Apparently Dabney has still to earn a reputation.

**Sets Record**

Markowitz and Seiden claim to have established a new speed record to Scripps, having been clocked at 24½ minutes. To would-be contenders for a new record, Mitch Cotton extends a warning. It seems that he had a rather unpleasant experience with the Glendora City Judge.

Ann Hazlett, vivacious Tech cheerleader, when asked by a Whittier man at the game last Saturday night whether or not she attended Caltech, she replied that she certainly did. She said she was majoring in Domestic Engineering.

**Yell Leader**

Frank Evans seems to be a good candidate for yell leader after his amazing exhibition last Saturday night. Keep up the good work, Frank.

**Beer in the Bleachers**

One group of students was rather disappointed last Saturday night, when after having lugged a keg of beer all the way from Caltech to Whittier, the police would not let them take it up in the stands. Beering up under the blow, they made good use of it later.

By the way, if any of you rounders have some hot dope, drop it in the Tech box in Throop.

# Engineering Clubs Meet Wed., Thurs.

Open to ALL engineering students, the faculty and the public, Mr. Julian Hinds, Chief Engineer of the Metropolitan Water District of Southern California, will address the Student Chapter of the ASCE on Thursday, November 14 at 4:00 p.m. in 155 Arms. Mr. Hinds, who was Design Engineer for the Colorado River Aqueduct, will speak on "Flow in Pipes."

**AIEE-IRE Will Meet**

Mr. Walter C. Smith, Pacific District Engineer of the General Electric Company, will address the AIEE-IRE on Wednesday, November 13 at 4:00 p.m. in 206 Dabney. Mr. Smith will discuss "New Electrical Horizons."

**ASME Hold Dinner and Field Trip**

On Thursday, November 14 at 6:30 p.m., the Los Angeles section of the ASME will hold a dinner and field trip at the C. F. Braun Plant, 1000 South Fremont Avenue, Alhambra. For reservations and further information, consult Dr. Hudson, 307 M. E.

# Pauling Tells Club Research Needs

"About 80 per cent of the students on the campus today will go on to post-graduate work," said Dr. Linus Pauling, Professor of Chemistry and Director of Crellin and Gates Laboratories, in his address to the Frosh Luncheon Club last Wednesday.

Dr. Pauling spent considerable time pointing out and discussing the many scholarships and fellowships open to graduate students today, and emphasized the need for more men in the field of research, especially in medicine.

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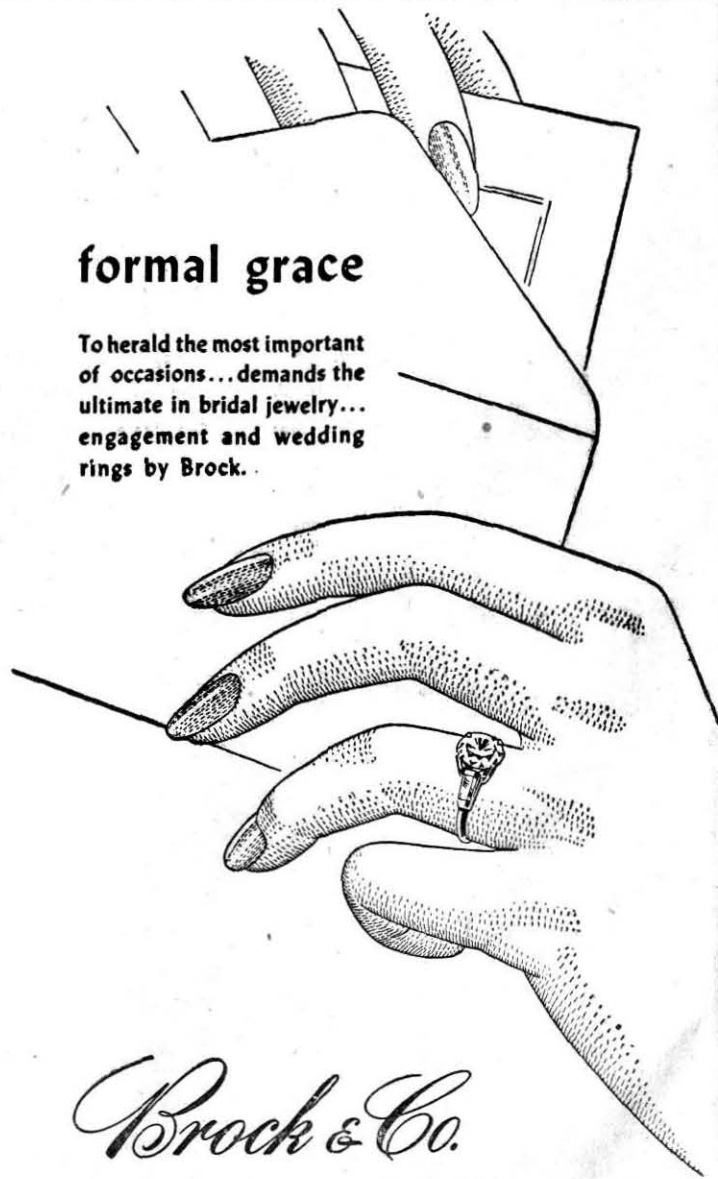
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