

# DuBridge Gives Draft Summary for Tech Men

A summary of the draft situation with special relation to the status of the Tech man has been given to the *Tech* by President Lee A. DuBridge. President DuBridge recently returned from Washington where he, along with other scientists and educators, attended meetings of the Scientific Manpower Advisory Commission of the NSRB, which was summoned by Stuart Symington, head of the NSRB, to consider the use of the scientific manpower of the U.S.

President DuBridge will speak on these matters at an assembly a week from tomorrow.

## President DuBridge's Statement:

"The 'great debate' on U.S. foreign policy is now being paralleled by a great debate on how the U.S. as a nation can most effectively mobilize and utilize its resources of manpower. As dozens of plans and proposals are presented to the public and to the Congress, and as attacks and counter-attacks are waged by scores of interested individuals and groups, the picture appears to be one of hopeless confusion.

"Is there any chance that reason shall eventually emerge? Is there a chance that as a result of this great debate the nation will arrive at a sensible plan for the effective utilization of our most precious national resource—the nation's men and women?

## Personal Participation

"I have personally participated in this debate through membership on various manpower committees. I have seen at firsthand the complexity of the problems which we face and the con-

fusion inherent in the discussions of them. I am seriously concerned about this problem because of my interest in the future of the students at Caltech and the future of my own son (age 17).

"Nevertheless, I can say sincerely that I believe there are grounds for being optimistic.

"In a democracy all major national decisions are inevitably and properly arrived at by the means of a public debate. During this debate the picture is bound to be one of apparent confusion. But out of the confusion decisions eventually emerge.

## Grounds for Optimism

"I base my optimism on two grounds:

"1. The manpower problem is being taken with deadly seriousness by our government at the very highest levels, with the aid and participation of some of the best informed, most intelligent and most public-spirited citizens of the nation.

"2. If one examines the proposals which have been made by the most authoritative government and nongovernment bodies, one sees a large area of agreement on basic principles. The confusing disagreements are largely on matters of detail.

## "Force-in-Being"

"The difficulties we face in arriving at a proper manpower policy stem from the fact that this nation now faces a problem never before faced in all its history. This problem is that of both creating and also maintaining for a long period a substantial military 'force-in-being.'

"In two previous wars we have created a great military force by drafting all available men, keeping them in service for the duration and then releasing them all to go home when the emergency had passed. But what do we do when the emergency may be five, ten, or twenty years in duration?

## "Steady State"

"In the language of the engineer, how do we arrive at a 'steady state solution' of the emergency problem? Clearly in this 'steady state' there will need to be a fixed flow of men into the armed services, and a fixed period of service, following which these men will return to civilian life.

"If substantially every able-bodied boy who reaches the age of 18 (or 19) each year is taken into the service, serves a fixed period of, say, 27 months and is then discharged, it would be possible (taking into account volunteers and career soldiers) to maintain a 'permanent' armed force of 3,000,000 to 3,500,000 men. If some men are exempt, the rest must obviously serve longer. This is the idea behind universal military service.

## Normal Flow Plus Two Years

"Under such a plan, in the 'steady state,' the flow of students returning from service into the colleges and into industry and civilian life would be a normal flow, except that each individual would be some two years older. Even under this plan, however, some provision will have to be made for the training of officers, probably through an expanded R.O.T.C. program, and also for the continued education of exceptionally able students who can serve the country better by completing their educational work before entering the nation's service. This type of plan is the one proposed by many scientific and educational organizations and was presented to Congress by General Marshall on January 17.

## Present Students

"However, it is the transient period while such a universal military service plan is going into effect which most concerns the present student body. In this area there is the greatest confusion about the detailed mechanisms which should be adopted to insure an adequate flow of men into the armed services, while at the same time insuring an adequate flow of scientific and other specialized personnel through the colleges. But if we once accept the ultimate goal of UMS, the interim problems do not appear difficult.

## Scientists Graduate

"One proposal which is receiving very serious considerations at the highest level is that if UMS is adopted then all members of this year's sophomore and junior classes and all graduate students (especially in engineering and scientific courses) will be allowed to complete their college courses.

"At the same time, through selective national tests, a substantial fraction (one-half or more) of the country's best freshmen would be similarly deferred and a substantial freshman class would be selected for entrance in the fall of 1951. Since a UMS plan, even if adopted now, would not go into full effect for a year or two, next year's freshman and sophomore classes might actually be nearly up to normal enrollments. Since the selection would be on a national basis, Caltech men should fare pretty well.

## Seniors Note

"There is also under serious consideration a plan to establish a national civilian scientific personnel board which shall be responsible, first, for seeing that trained scientists in the 19-26 year age group are retained in scientific or engineering work, either in military or civilian capacity; and second, for insuring a continued flow of students through science and engineering courses, and their proper utilization upon graduation. (Present seniors please note!) Such a board with adequate powers would go far toward preventing waste of precious scientific talent.

## How Will Congress Act?

"What Congress will do with these and other proposals it is too early to predict. The important point, however, is that there is a keen recognition on the part of the highest government officials, including those in the Department of Defense, of the necessity for maintaining a flow of college-trained students, and an even keener realization that the flow of students in science and engineering must be maintained at the highest possible level. It seems to me unlikely that Congress will ignore this clearly recognized problem.

## What to Do

"What then should a Caltech student do? My advice, based on the present situation, is as follows:

"1. Sit tight. The confusion will be over in a few weeks and the future will then be more clear.

"2. Do not neglect college work. Do the best possible job in the knowledge that you are thereby increasing your value to the nation and to yourself.

"3. Insist on your legal right to a postponement of your induction (if your number is called) until the end of the college year.

"4. Do not quit college to get a job or to enlist. At the present time you are better off right here pursuing your work.

"5. Do not transfer to an 'easier' college or an 'easier' course. Your best talents are needed by the nation in science and engineering and there is a good chance that your talents will be effectively utilized. A desperate shortage of such talents is in prospect.

"6. Recognize the fact that during coming years every young man should expect to undertake the obligation and privilege of serving his country for approximately two years, in either military or civilian capacity. But recognize also that the chances are now good that scientists and engineers will be assigned to duties which make full use of their talents.

"7. Send a copy of this statement home to your parents. It may help them understand your problem."

L. A. DuBridge, President

California Institute of Technology

January 18, 1951.

# CALIFORNIA TECH

California Institute of Technology

Pasadena, California, Thursday, January 25, 1951

No. 14

## Cast From 'The Drunkard' To Give Vaudeville Here

### Assembly to Include Melodrama, Olio; Rocket Talk Last Week Draws Many

Techmen will be treated to an hour of old time vaudeville put on by the cast of "The Drunkard," a melodrama and olio act show which has been playing in Hollywood for eighteen years, at the assembly tomorrow at 11:00 in Culbertson. There are real, honest-to-goodness girls in the show, which promises assembly-goers a brief return to the days of the Palace Theater and the two-a-day.

The program of vaudeville will include a song-and-dance routine by Delores Del and Barbara Stewart (the picture speaks for itself). A male trio composed of Angus White, Karl Thomas and Tom Burton will do a group of old-time numbers including "Ball and a Jack."

#### Techmen in Show

The program will be emceed by George Stuart, who will also do an impersonation act. A short melodrama will be produced, featuring two unfortunate (?) techmen. Mel Techel, accordionist, and Jackson Swales II, pianist, round out the troupe of olio performers.

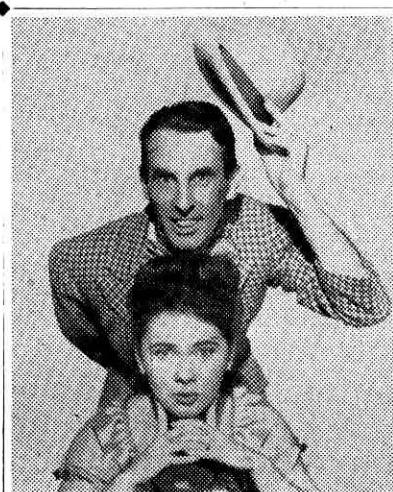
#### Rockets Last Friday

Last week's assembly featured Dave Elliott, Tech senior physicist and rocket amateur, giving a talk and showing movies of his rocket research. Dave gave an introduction on rocket development, and told how he and Lee Rosenthal of Glendale College began in 1948 to develop the liquid fuel rocket.

He told how, in order to raise funds for their research, they built small mail rockets, sold postmarks to collectors for 50c apiece and netted over \$2000.

#### Clouds of Steam

The liquid fuel principle depends on the decomposition of hydrogen peroxide. This was vividly demonstrated to the audience when Elliott threw manganese dioxide pellets into peroxide on the stage, producing clouds of steam. His rockets have attained a height of 4.2 miles.



Karl Thomas and Bobbie Stewart, members of "The Drunkard" cast, who will be among vaudevillians performing at tomorrow's assembly.

### Feb. 7, Deadline For Honor Points

All requests for honor keys or honor certificates must be submitted to Olly Gardner before Wednesday, Feb. 7, by placing the request in the "G" box in lower Throop. Anyone having a total of 45 (forty-five) or more points should turn in a request promptly, the *Tech* has been informed.

#### Info in Little T

The request should contain the person's name and list of the activities participated in during the third term of last year and the first and second terms of this year along with the number of points expected for each activity.

The number of points deserved for various activities is listed in the "Little T," but in cases of doubt the applicant should put down the number that he thinks he deserves.

#### Unlisted Activities

If a person thinks he should have points for an activity not listed in the "Little T," he should put a note to that effect on his request. If there is any question, a member of the ASCIT Board of Directors should be contacted.

#### Seniors

There will be an important class meeting Monday, January 29th, at 11:00 a.m., in 201 Bridge. Main items on the agenda are graduation announcements and the class gift.

### Clark, Gray at Placement Confab

Representing Caltech at the initial conference of the Pacific College Placement and Recruitment Officers Association last Friday were Robert D. Gray, Director of Industrial Relations, and Donald S. Clark, Director of Placement.

#### Clark Speaks

Mr. Gray was chairman of the general opening session and Dr. Clark addressed a session on "Training Programs Through Summer Work."

#### Gen. Eaker Guest Speaker

The program was held at the Ambassador Hotel. Luncheon speakers were Trevor Gardner, president of the Hycon Mfg. Co.

#### McKinney Prize

Entries in the McKinney Prize Essay Contest must be submitted by April 16. G. R. MacMinn, contest official, urges that as many upperclassmen as possible plan to enter and suggests that the required reading be begun soon. Rules for the contest are posted throughout the campus.

### Duties of the ASCIT Officer--

This is the second group in a series of articles by ASCIT officers outlining the duties and responsibilities of their respective offices. As nominations and elections will be held on Feb. 9 and 22 respectively, these timely articles will help students to decide in which capacities they may serve the student body by running for office. Articles on the other offices will appear in subsequent issues of the *Tech*.

#### Vice-President

The prime concern of the Vice-President is the preservation of the Honor System, since he is chairman of the Board of Control and, in a way, the custodian of the Honor Code. He must always keep the system before the student body by writing frequent articles for the *Tech* and always being willing to jump to the defense of the system in times of controversy.

#### Fair Trials

The V.P.'s greatest responsibility is directing the meetings of the Board of Control and making absolutely sure that anyone accused of an infraction of the Honor System is given a fair and just trial.

He must always make absolutely sure that all the evidence beneficial to the defendant is well brought out especially in cases where evidence to the contrary seems rather conclusive. He must act as the defense attorney for the defendant in an effort to give the accused every benefit in proving himself innocent.

The responsibility is doubled in that the V.P. must be sure that justice is done for the defendant and also the student body whom he (the V.P.) represents. A man running for the office should have a serious desire to further the aims of the Honor System and should be willing to devote much time to that end.

#### Charity Drive

The Vice-President is also the man on the Board of Directors who is responsible for seeing

#### Publicity Manager

With ASCIT elections rolling around once more, there are undoubtedly many citizens of this Caltech community of undergraduates who are wondering how they can help make this a better place to spend a college career. Yes, this is exactly that, a college *community*.—A community to which each man who enjoys its privileges owes his efforts to improve that community. Only through that kind of spirit and co-operation can Caltech and its men become a more integrated, smooth running part of the larger community—America.

#### Sell Caltech

The duties of Publicity Manager, I once said, could be summed up in the statement—sell Caltech... That statement, however, connotes a false impression. Caltech will sell itself to anyone who knows the facts.

I think, then, that the duties of the Publicity Manager are rather to inform the public and the high school students of the country of the opportunities which exist here for young men. This, then, is the long-range purpose of a Publicity Manager in our student body.

#### Informs Newspapers

Most immediate of the duties to be fulfilled by the Publicity Manager, his assistant, and committee, is that of keeping the local papers informed as to events occurring on the campus. Sports in all phases are represented here and the results of all contests must be turned in to the local papers.

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### Y's Doings

#### Book Business Serves Students

By Tom Stockebrand

The YMCA book exchange, one of the most used but least publicized functions of the "Y," transacted a total of \$4000 worth of business during 1950. On the income side was about \$2000, while disbursals of around \$2000 made the venture just about break even. \$300 of the disbursals went out as Christmas checks to students who are now living off campus. The Christmas checks averaged \$4.72 per person. But for the most part, business centered about actual book transactions, 2300 books changing hands during the year.

#### Bring Books

A student wanting to sell old text books need only bring them down to the "Y" office, fill out slips and put the books on the shelf; then come down later and pick up the money due him. The trouble is that no one wants to pick up his money and it is just piling up in the office. If the seller has graduated the Y will write a check and mail it to his home. Books no longer used by the Institute are shipped to Berkeley, where they are turned into money by sale or republishing.

### ASME to Host CES; Big T Pix Today

The ASME Big T Picture will be taken today. Meet in front of the ME building at 12:30 p.m.

George Johnson of Minneapolis-Honeywell Corp. will give a talk at the CES meeting, sponsored by the ASME, on February 5 at 11 a.m. in 206 ME. Mr. Johnson will speak on "Combustion Engineering," and will show slides and cutaway models.

### Campus Calendar

THURSDAY, JAN. 25  
12:10 Throop Club Meeting  
7:15 Board of Directors Meeting Lower Fleming

FRIDAY, JAN. 26  
7:30 Demonstration Lecture, 201 Bridge

SATURDAY, JAN. 27  
9:12 Art Class—40 Mudd  
6:30 Frosh Basketball, Tech vs. Whittier Frosh at P.C.C.

8:00 Varsity Basketball, Tech vs. Whittier Varsity at P.C.C.

MONDAY AND TUESDAY, 5 and 6—BS & MS/EE, ME, Allis-Chalmers Mfg. Co., Los Angeles. R. D. Moody, District Mgr., R. L. Engel, E. C. Ross. Primarily a Graduate Training Course

FEBRUARY  
THURSDAY AND FRIDAY, 1 and 2—BS & MS/EE, ME, CE, EE, Union Oil Co., Los Angeles. J. P. Rockwells Jr., Eng. Field Dept. (Production Dept.) & Mfg. Dept. (Refinery-Process & Development Engineering).

MONDAY AND TUESDAY, 5 and 6—BS & MS/EE, ME, Allis-Chalmers Mfg. Co., Los Angeles. R. D. Moody, District Mgr., R. L. Engel, E. C. Ross. Primarily a Graduate Training Course

## THE SQUARES' CIRCLE

The Squares Circle is a column composed of letters sent to the Editor by the readers of the California Tech. It should be understood that the opinions expressed herein do not necessarily express those of the California Tech editorial board.



### For Shame

January 22, 1951.

Dear Editor:  
Is the deadline of the Tech so soon after Sunday that you couldn't have gotten the correct order of the Musicale concert of January 14, which was described in your January 18 issue? Evidently the writer copied his information from the program that was mimeographed weeks before and made no attempt to check with what actually happened.

More important, a little check-

## ON THE RECORD

By George Abell

### Tagliavini in Recital

The Metropolitan Opera tenor, Ferruccio Tagliavini, will appear in recital next Tuesday evening in Philharmonic Auditorium.

It is interesting to know that Mr. Tagliavini originally intended to become an engineer, and had begun his studies in this direction. The turning point of his career occurred when he won an amateur singing contest. With this encouragement, he took up voice, and eventually became one of Italy's most popular tenors.

### Comes to U.S.

He first became known to American audiences through the medium of movies and recordings. In 1947, Mr. Tagliavini made his Metropolitan Opera debut in "La Boheme." From that time his popularity increased rapidly. He has appeared with the Metropolitan and San Francisco Opera Companies, with major orchestras of the country, and in numerous radio programs and recitals.

Those who have listened to early recordings of Ferruccio Tagliavini can readily explain his success. His voice has never been great, but it can be extremely pleasing. His soft lyrical style can best be described as a light form of Beniamino Gigli.

### Resorts to Cheating

Unfortunately, despite his growing fame in the past several years, Tagliavini has not shown a steady improvement. Rather, he has developed a number of techniques for "cheating" his audience out of applause, which, however, are not good singing.

For example, rather than sing softly in his upper register, he often uses the easier falsetto. Sometimes, when he finds a note that is comfortable, he'll let it

linger for awhile.

Finally, when he is ready to make people think he's great, he bellows out a note at a moderate volume, until he is completely out of breath. Some of these tricks have a place in obtaining special dramatic effects, but not as a substitute for normal singing.

Tagliavini is still capable of giving a good performance—for example, he was adequate in the Met's broadcast of "Traviata." However, if his appearance with the Los Angeles Philharmonic Orchestra several weeks ago was any indication of what he will do next Tuesday evening—woe be us.

Despite the fact that he was enthusiastically received by an audience who had gone to the concert with the intent of cheering the "great" tenor, he was at his worst. To make matters worse, his conceit was comparable only to that of Oscar Levant.

### Prokofiev and Mrs. Roosevelt

RCA Victor's latest release of Prokofiev's fantasy-fairy tale, "Peter and the Wolf," features as narrator none other than Mrs. Eleanor Roosevelt. Dramatically, Mrs. Roosevelt's narration is inferior to that of Basil Rathbone, and other leading actors who have made recordings of the work.

However, she fits into the spirit of a person telling her grandchildren a story, satisfactorily, and musically the performance is good—Serge Koussevitzky conducts the Boston Symphony Orchestra. We certainly must give the Victor people credit for a clever idea. (10" Victor LP, LM-45).

### MUSIC THIS WEEK

This Afternoon:  
Lecture—"Melody—'Flat' and 'Round'"; Ross Lee Finney  
Dabney Lounge, 4:15 p.m.  
Musical examples:  
Tchaikovsky: Piano Concerto—1st movement  
Bartok: Concerto for Orchestra—4th movement  
Beethoven: 5th Symphony—1st movement  
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from his notes and smiles expectantly, he has made a funny.

### 6. ASK FOR OUTSIDE READING

You don't have to read it. Just ask for it.

### 7. IF YOU MUST SLEEP, ARRANGE TO BE CALLED AT THE END OF THE CLASS HOUR

It would look strange to have a class leave you behind.

### 8. ASK ANY QUESTIONS YOU THINK HE CAN ANSWER

He may ask you to find the answer of the question he can't answer.

### 9. CALL ATTENTION TO HIS WRITING

If he's written an article, he is probably the only one who can explain it.

### 10. DO YOUR HOMEWORK

You deserve success if you do.

—Rhode Island State  
"BEACON"

## Who Dealt This Mess

by John Rogers

The hand discussed in this week's column was chosen merely because it illustrates a common bridge problem, namely, what to do with a hand consisting essentially of two suits. Although it would obviously be impossible to discuss all the details of such a situation in one column, the general method can be outlined.

### General Method

The best procedure is to use as trump the one suit in which partner can give the most support, and with partner's trumps, to ruff the low cards in the other suit until that suit is set up. This process is illustrated below:

S K,J,7  
H K,Q,10,5,2  
D 6,2  
C 7,4,3

S 8,5  
H 9,4  
D J,10,9,5  
C K,Q,J,8,6

S 9,4,3  
H A,J,8,7,3  
D Q,3  
C A,10,2

S A,Q,10,6,2  
H 6  
D A,K,8,7,4  
C 9,5

Bidding

N	E	S	W
P	1S	P	
2H	P	3D	P
3S	P	4S	P
P	P		

It is best, when opening the bidding, to bid first the higher ranking of two equal suits and show the second suit on the next bid. Although north's bidding does not indicate any particular strength, south is justified in taking a small risk and going to game due to the fact that he has so few losers in clubs and hearts.

### The Play

The opening lead is a club, and the defense takes two tricks in that suit before south is able to trump. Since dummy has so few spades, south must start right in to ruff his low diamonds before he can afford to draw defenders trumps. This is a dangerous play but the only one possible in such a situation.

South, therefore, leads the ace and king of diamonds and follows with the diamond four. In dummy he trumps the four with the spade jack in order to prevent a possible over-ruff from each. South, then, returns to his hand by leading the seven of spades and trumps another low diamond with dummy's king. Declarer's last diamond is now good, and his two high trump can draw defender's last spades. In making the contract, then, south loses two clubs and one heart, as expected.



Leave the flurry  
To the masses;  
Take your time  
And shake your glasses.  
—Old Shaker Verse.

## CAMPUS BREWINS

and marble jaws in interminable discourse, drooling with satyriasis.

J. Kidder steered his Wagnerian soprano amidst the bustling herd. President Peck, whose impending bans set readers of the Geology Bugle agog, caused further tongues to wag by appearing with his affianced in full

### Polk Again

As far as Ricketts is concerned, we were not going to mention this again, but countless reports of unimpeachable accuracy still ring in our ears: Polk is out of it. Confused echoes of a major stir triggered by artistic endeavours of Stratton's sister are also resounding through the halls, yet editorial integrity forbids closer mention.

"Gad," cried the Beak as he gazed with sleep-dilated pupils from his third-story bunk on Dabney's sleeping porch, and immediately there looked up from below two fair demozels and the Averre and the Hamilton. Quickly flattening himself upon his sack (indeed a difficult task on these parabolic pads!) your investigator managed to evade their furtive glances.

### Milk!

Then with varied noise and shrieks their vehicle, assisted by Brownian motion with the cylinders, departed into the heavy Saturday morning mist that blanketed California Street not to be seen again until later the same day when we espied the mud-stained auto sitting tiredly in back of the Market Basket . . . its occupants sipping milk. Youth . . . blessed youth!

The astutely chosen theme proved to be a Mardi Gras opening.

Amongst the Grandees present our watchful orb espied Perpall, escorting a diminutive blonde, suffering from distemper and heavily laden with various metal items. The clanking was prodigious, and we hope that the Glockenspiel was not too disturbing in the ensuing acrobatics. Reeling Robert Madden was observed to ope his ponderous

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Prof. G. R. MacMinn

boisterously into the lounge in search of amusement. The amusement was had at our expense: who is this woman that seems to reside in Dabney Lounge? Vague rumors point to of free verbal expression and to a Blacker plan to deprive Darbs a Fleming-inspired scheme to keep the softball team at home.

### Bartered Working Girls

Perhaps this Woman of Mystery is merely waiting around until Friday when the "Working Girls' Exchange" comes off. However, Bill Kemmel, who has solicited scores of beauties for this affair, claims no kin but offers instead parthenogenesis among Kerckhoffian oocytes exposed to the atmosphere of Ch. .02 lab as an answer.

Speaking of atmosphere, and we were damwell going to anyway there wasn't much at the Pasaplayhouse Friday when the Greencoated mob invaded; the darkness between abyssmally darker scenes was pierced only by the excited Spanish of one Moose Levy and Scrippie Marianne and the titillating tittering of some lass high in the balcony who somehow managed to get

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## Dino's

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## HOTALING'S

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# Soccer Team Ends Good Season Under New Coach

Caltech's "miracle" soccer team brought the year to a successful conclusion with two victories the last week of the season. The big upset was a 2-1 victory garnered at the expense of UCLA. This was the Bruins' first collegiate defeat in nearly two years and came as a tremendous shock to the team which had pulverized the Beaver, 16-2, last year, and was rated third in the nation.

## Gutierrez Stars

Gutierrez was the big gun, scoring both the team's goals. The whole team played their best game of the year, and the Tech defense did yeoman work in holding the Uclans to only one goal. For its tremendous vic-

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## Hurdle, Relay Outlook Fine

By Pete Mason

(This is the third in a series of Track Previews.)

Talent seems to be spilling all over the mile relay team. While there doesn't appear to be much chance at this writing of breaking Oxy's 3:10.1 record, made in the Coliseum Relays against Morgan State, the team figures to make quite a few points in this event.

### Depth in Relay

Those points come in fat juicy lumps of five too, with no scoring for second place. Such runners as Bobby Parnes with 53.7, Al Teague at 53.0, Bob Waid with 54.0, and others such as Latourette, Cook, Johnson, and possibly Fazio figure to give plenty of depth here.

### Hurdles

In the hurdles Bob Waid and Bill Irwin will carry the banner. Bob has done 15.5 in the 120 yd. highs and 25.0 in the 220 lows. Bill has a 15.6 to his credit in the highs and a 25.9 in the lows, while Bob Stanaway has done 15.7 in the highs. Others who will be running for Caltech are Veazy and Kliegel, both up from the frosh.

### Competition Strong

As for the competition, as usual, most of it is at Oxy, although rumor has it that Strom, their 24.2 hurdler, has left for parts unknown except to the U.S. Army. French of Pomona with 25.0 and Bauchand from Whittier with 24.2 provide the rest of the competition in the lows.

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## Blacker Wins 3

### To Lead IH Loop

Blacker House extended its lead in Inter-House softball to three full games with a 7-4 victory over Throop Club. In other games Throop defeated Dabney 5-1 and Ricketts tied Dabney 3-3.

Blacker House is now also the possessor of the Discobulus with a 3-1 Tennis win over Throop Club. In the singles Welch (B) def. Johnson (T) 8-6, 5-7 and 7-4; Bhanji Deo (B) def. Kitching (T) 6-3, 6-3; Salsbury def. Stalhawk (T) 6-4, 6-3. In the only doubles match Welch and Bhanji Deo (B) def. Johnson and Stalhawk (T) 8-6, 6-4.

In Inter-House tennis Ricketts defeated Throop 3-2 and Fleming won over Dabney 4-1.

### Inter-House Softball Standings

	W	L	T
Blacker	3	0	0
Throop	1	1	0
Ricketts	0	1	1
Dabney	0	1	1
Fleming	0	0	1

(Continued on Page 4)

(Continued on Page 4)

# Beaver Sports

## BUTTIN' IN

—by Butler

The football coach problem at USC has certainly proved one point; the firing of one coach never solves the question of who is going to handle the team next season. And, at the moment, the Trojans appear hard put to find an agreeable candidate for this fall. Illinois' Ray Eliot appeared to have had the inside track, but that big bugaboo, the alumni, quickly quenched any of Mr. Eliot's hopes as the new Trojan mentor.

### What to Do?

For the last few years, this football coaching problem has slowly coming to a head. The coaching staffs of many schools have been taking horrible amounts of guff from important alumni. But now the tables have turned, the coaching profession is going to have its say. In my opinion, the mentors have forced two courses of action upon the nation's colleges, either make coaching a more secure occupation, or pay large salaries for insecure positions. It seems that the El Trojan wants to do neither. The famous and successful Paul Brown was too expensive and the others feel that the Trojan job is like sitting on an atomic bomb. Undoubtedly the same type of situation exists at other coachless schools. Well, anyway, the nation's sportswriters should have plenty of copy before the football season opens.

(Continued on Page 4)

## Frosh Sports Roundup

by Nick Nicholson

Tech's frosh basketballers registered their first win Friday night, taking a close one, 60-59, from the LaVerne team that beat them, 57-54, a month ago. Saturday night found them dropping a league tilt to Redlands, 37-61, to even the week's score.

### In Doubt Till End

La Verne was in there fighting till the end Friday, with the winner in doubt till the last 15 seconds of the game. With the score tied 59-all and just a quarter-minute left, guard Bob Lynam sewed up the game on his free throw, and the team managed to stave off La Verne's last-minute attempt for a goal. Tech had led all the way from the beginning of the game, never once falling behind. Half-time score was 34-30.

Scoring for Tech were Anson with 32 digits, Plambeck with 11, Smith 15, Lynam 1, and Henderson with 1.

### Baby Beavers Snowed

Redlands snowed Coach Preissler's crew, under right from the start, Saturday. After the first three minutes the game was a walkaway, half-time score being 31-16. Anson scored 18 for highman honors, but he couldn't get rolling till the second half. Others scoring were Johnson 4, Watkins 3, Plambeck 3, Smith 7, and Lynam and Henderson 1 apiece.

The frosh meet Whittier's league-leading squad this Saturday, game time 6:30 at PCC.

# Beavers Meet Poets After Dropping Two

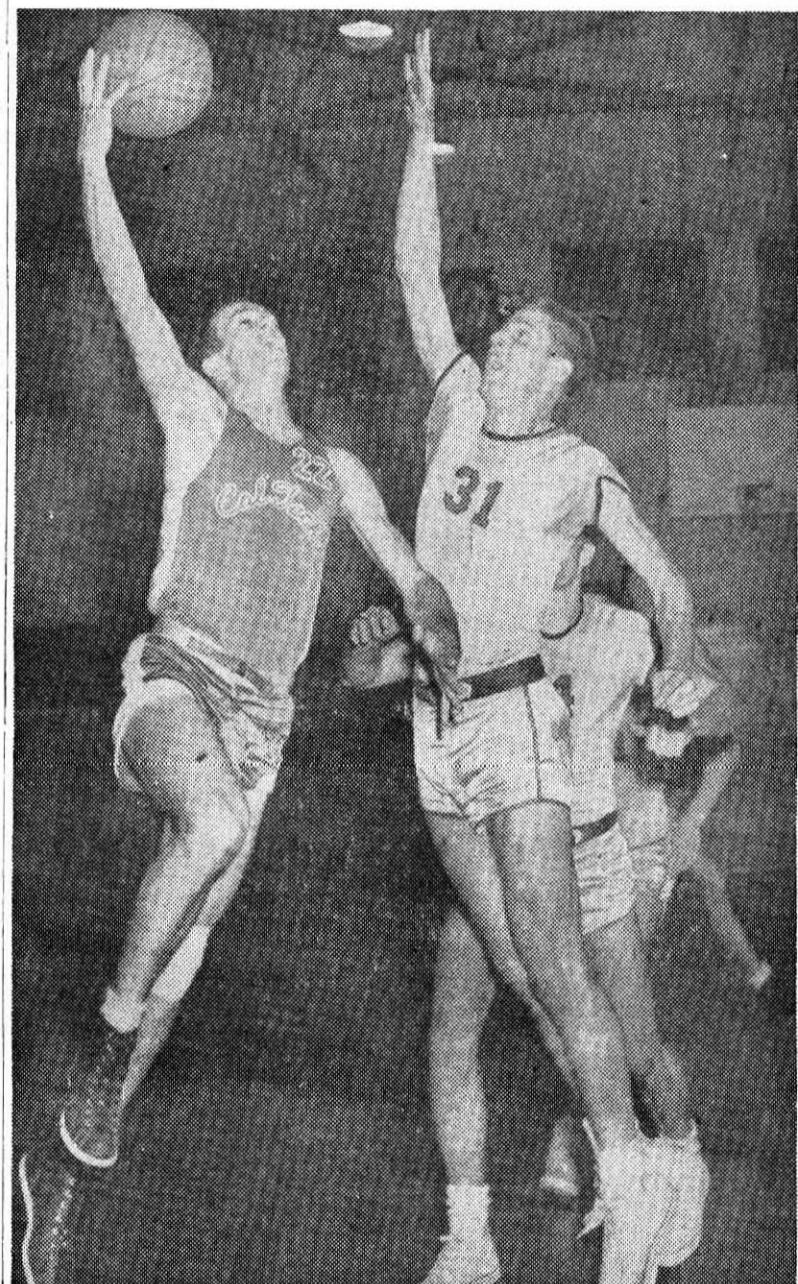
## LaVerne Takes Repeat Win 60-49, Bulldogs Victors in Second Half

Still looking for their first conference win this season, the Caltech cagemen go into action against the Whittier Poets this Saturday night in the PCC gym. Thus far, the Poets are unbeaten in four league games although three of them were mighty close. In any event, it promises to be a tough game for the impotent Beavers.

### Leopards Finish Strong

Against La Verne last Friday it looked for a while as if Caltech were going to win. In the beginning of the game La Verne set up a zone defense that left the Beavers somewhat bewildered. Their only accomplishment was to take a few long shots and hope to get the rebounds. Soon the Leopards got a comfortable lead; thereupon they changed to a man-to-man defense that was more favorable to the Engineers. Sparked by Thorne Butler's unbeatable hook shot, the Shy Five quickly closed the gap. At the half the score was tied 26-26.

After intermission the Beavers kept the spark going with the team showing considerable deftness in controlling the ball. For the first time this year center Butler showed the form which made him one of the conference's leading scorers last year. Although he still had trouble with his left-handed hooks, his right was almost unstoppable. It is unfortunate that the team has so far failed to produce another high scorer to go along with Butler and enable the Beavers to have a two-pronged attack. Caltech ran up a nine-point bulge; then cooled down to a simmer. La Verne changed back to a zone defense that checked the Beavers and went on to win the game 60-49.



Beaver Norm Gray lays up for a shot at the Bulldog basket, despite the guarding of Redlands' Lauger.

### Same Story at Redlands

After setting their hopes high and making the long trip to Redlands, the Engineers found themselves facing a not-too-tame Bulldog outfit. For the most

(Continued on Page 4)

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**SOCER TEAM**

(Continued from Page 3)  
tory, Coach Huttenback presented the team with the "Old Shin-bone" trophy.

Two days later, on Saturday, Dec. 9, Caltech played host to a visiting San Diego State eleven and came off with a 2-1 decision. Tech was superior throughout and the Aztecs only scored in the last minute of play.

**Improved Record**

This season's 6-2 record was a complete reversal of form over the miserable showing of the last two years when the Beaver beat only a part-time Pomona club. This year, under the "new look" coaching of Mentor Huttenback, the soccerites turned on their former tormentors and beat UCLA 2-1, USC 15-0 and 4-3, San Diego State 2-1, and Thatcher 5-0 and 4-2. The only two defeats came at the hands of UCLA in two earlier encounters.

Statistically speaking, we find that in eight games the Beavers scored 35 goals to their opponents' 15; thus averaging a lusty 4.4 goals per game. The leading scorers were Reinaldo Gutierrez with 19 goals, Carl Otte with 6, and Bob Wood with 4. Gutierrez's 19 goals appear to make him the highest scorer in the entire nation this year.

**Plaudits**

Especial mention should be made of the outstanding play of the two inside forwards, Swaroop Bhanjee and Capt. Ernesto Weber, without whom the outcome of most games could have been different, and that of Goalie Chuck Miller and Halfback Leo Baggerly, two of the most improved men on the team.

Prospects for next year are somewhat nebulous as it is uncertain how many players from this year's team will be back, but the formation of an Inter-collegiate Soccer League including probably UCLA, Caltech, USC, Fresno State, Cal Poly, San Diego State, San Bernardino Valley College and Pomona is assured.

**PUBLICITY MANAGER**

(Continued from Page 1)

Opportunity is here afforded to gain experience working with newspapermen, and to see how that phase of our community operates. Contact with national magazines is another valuable experience offered in this job, as they are constantly looking for outstanding events in American colleges to publicize.

One certainly cannot boast of the opportunities and privileges in this institution on the outside without first starting at home and helping the men already here to realize how fortunate we at Caltech are.

**Attract New Men**

In this respect, investigating conditions in other colleges and contrasting them with conditions here in our own college, and then making these facts known to the men is the job, the purpose here being a better feeling on the part of every man in the school towards the school. A man who is convinced that this is the best school is not going to keep it to himself, and, over a period of time, word will spread in the hometowns of the men here as to what kind of a school this is. This is the only way we are going to attract the best men in the country to Caltech. There are a few other details to which the Publicity Manager must attend, these being the approval of all material posted on the bulletin board in lower Throop, along with all election campaign signs, etc., which are put on the walk between the Houses and Throop.

**Many Contests**

This cannot possibly cover all phases of the job, but I feel it hits on the important things. I hope it will cultivate interest in running for the job, for I sincerely feel that a great deal can be learned from the duties to be performed. Calling it a job is certainly the wrong expression; for it is, as are all ASCIT offices, an opportunity to broaden

**ON THE RECORD**

(Continued from Page 2)

**ment**  
Piano Sonata, Op. 14, No. 1, 1st movement  
**This Evening**  
L. A. Philharmonic Orchestra; Robert Casadesus, pianist  
Philharmonic Auditorium, 8:30 p.m.  
Handel: Concerto Grosso in A Minor, Op. 6, No. 4  
Hindemith: Symphonie Serena  
Brahms: Piano Concerto No. 2 in B Flat Major  
**Friday, Jan. 26:**  
L. A. Philharmonic; Robert Casadesus  
Philharmonic Auditorium, 2:15 p.m.  
Report of Thursday's Program  
**Sunday, Jan. 28:**  
Juilliard String Quartet (Coleman Chamber Concert)  
Pasadena Playhouse, 3:30 p.m.  
**Monday, Jan. 29:**  
Lecture: "The Musical Plot"; Ross Lee Finney  
Dabney Lounge, 8:00 p.m.  
Musical Examples:  
Hindemith: "Symphonic Metamorphosis"  
Turandot: Scherzo  
Barok Concerto for Orchestra, 1st Movement  
Stravinsky: Symphony in Three Movements, 1st Movement  
**Tuesday, Jan. 30:**  
Ferruccio Tagliavini, tenor  
Philharmonic Auditorium, 8:30 p.m.  
Program to be announced.

**VICE-PRESIDENT**

(Continued from Page 1)

that the Associated Students' Charity Drive is successfully conducted each year. Thanks to the aid from the YMCA, this job has been very much lessened.

The V.P. is also chairman of the Honor Point Committee. His duties in this case are very well outlined in the By-Laws in the "Little T," which should be well studied by anyone contemplating running for the office.

**O. H. Gardner,  
V.P., ASCIT.**

yourself by extending your contacts and experiences outside the normal circle of undergraduate life. I shall be very happy to talk to anyone who is interested in running for ASCIT Publicity Manager and to answer any further questions about the job.

Respectfully submitted,  
Bob Stanaway,  
ASCIT Publicity Manager.

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**HURDLE, RELAY OUTLOOK**

(Continued from Page 2)

In the highs, McClury of Oxy has done 15.2, Bauchand of Whittier 15.3, and French from Pomona 16.1. The papers say that Bill Albans, 13.9 hurdler from North Carolina is coming to Oxy this year, but fortunately he won't be eligible to compete this season.

**BUTTIN' IN**

(Continued from Page 3)

**Scandal**

The basketball scandal has again raised its ugly head in New York. There is always some joker who wants to make a fast buck by rigging a casaba game. And when some gambler sticks a cool thousands under a star's nose, I can really sympathize with the kid. That kind of dough looks big and by making a couple of sloppy lay-ups or missing a few free throws, he could earn it all in forty minutes. The migration of gambling interests into the realm of college basketball indicates that the game has really moved into the big time. But I hope and pray that the law can keep tabs on the gamblers before they ruin a really great game.

**The Beavers**

From all outside appearances the Engineers' five is going to turn up a very dismal season indeed. But I am quite certain that Carl Shy's team is going to surprise a few teams in the next few weeks. The lack of experience that has really been the basis of the squad's problems is slowly being overcome. And the guys are really trying their hearts out to turn a bad start into a commendable finish.

**CAMPUS BREWINS**

(Continued from Page 2)

to the meat of the not-even riske lines before anyone else cared to. The Beak was most edified when a singularly banal Hank VIII: "Anne (Boleyn), you have given me no heir male" . . . we were fain to cry out "Special delivery?"

**Quis Custodiet Custos?**

The postplay dance was even less well attended than the production preceding: Social Chairman Goerke broke a long-standing precedent by attending, accompanied by a very beautiful something named Elizabeth; but there were no refreshments.

Thus with ink-stained forefinger and thumb astride our nasal appendage we betook our stag self out of the lounge towards the charnel Track, nearly stumbling (*Charmed!*) into Michaelson's blond. The role of *custos morum* fits us not.

**The Blacker Depths**

As far as Blacker is concerned, things reached an all-time low last weekend, and the masses accordingly sought entertainment in other fields: Bates, enamored of rockets and women, brought rocketeers to the Friday assembly. Halstead Harrison got married, moved off campus, and William Wright III made his appearance Friday morning, tipping the scales prodigiously. Amidst such wealth of matrimonial felicity, the Beak cannot but deplore his celibacy, yet we'll be damned if we'll get married.

Thus ends another chapter in

**BEAVERS MEET POETS**

(Continued from Page 3)

part the first half was rather slow. Baskets for both teams were few and far between, and after 20 minutes of play the score was tied at 21-21.

With the start of the second half the game began to open up, but not for the Beavers. They were as cold as they have ever been. The Redlands zone proved quite effective for awhile. In fact, Butler, Gray and company didn't get any good shots at all. Then in the last part of the game Redlands put on a pressing defense that bottled things up completely. After Sereno and Gee fouled out and Stern went to the sidelines with a twisted knee, the guards had great difficulty in bringing the ball across the center line. That forcing man-to-man defense was just too much. Redlands gradually pulled away and won 49-34.

**Lineups:**  
**Caltech—49**  
6 Stevens ..... F ..... LaVerne 6  
9 Gray ..... F ..... Landis 12  
22 Butler ..... C ..... O'Neill 16  
2 Sereno ..... G ..... Brandt 14  
2 Gee ..... G ..... Chavez 4  
Half-time score: Caltech 26; LaVerne 26.  
**Scoring subs:** Caltech—Ireland, f.; 2;  
Michaelson, f.; Moore, g.; Stern, g.;  
LaCerne—Smith, f., 6.

**Caltech—34**

3 Roche ..... F ..... Stevens 7  
9 Krutzberg ..... C ..... Gray 7  
7 Fulmer ..... G ..... Butler 10  
5 Griffiths ..... G ..... Tautz 8  
Scoring subs: Redlands—Churchill 8;  
Wiles 6, Chortkoff 6, Heatt 4. Caltech 21.  
Michaelson 9, Ireland 2, Sereno 2, Stern 1.

Half-time score: Redlands 21, Caltech 21.

contemporary yet untropical gossip. The Beak smugly leans back in his chair, sucks upon a stuffed olive, and, raising an eyebrow, bids you ta-ta.

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