

## Scholarship, Loan Plans Reviewed

Students who need financial aid in order to meet their college expenses here at Tech can look to at least three possible sources of help—scholarships, loans, and deferred tuition.

### SCHOLARSHIPS

Any undergraduate who does not now hold a four-year scholarship and who will need scholarship assistance in the 1960-61 academic year should obtain a scholarship application form from the Admissions Office, 112 Throop, before leaving for summer vacation. This form must be filled out by the student's parents or guardian and must be returned to the Admissions Office by September 15, 1960. No one can be considered for a scholarship who does not by September 15 have on file in the Admissions Office a scholarship form properly filled out and signed by the parent or guardian chiefly responsible for his support.

In order to spread the available funds as far as possible and to assure as far as possible that every undergraduate will be able to continue without placing an undue financial burden on himself and his parents, the Committee on Undergraduate Scholarships and Honors follows certain rules unless extraordinary circumstances indicate exceptions in individual cases. Some of these rules are as follows: no available scholarship money is left unused. Parents are expected to contribute a reasonable amount consistent with income, assets and number of dependents. Students are expected to contribute in addition

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## Barbara Dane Sings Tonight

BY DAVE BENSON

Barbara Dane's concert in Culbertson Hall tonight at 8:00 p.m. is a rare opportunity to hear one of America's outstanding folk and blues singers for a general admission of \$1.50 and only \$1 for all struggling students. Tickets may be obtained at the door.

Barbara has three albums to her credit, "Trouble in Mind," "Living With the Blues," and "A Night at the Ashgrove." As these albums prove that she is, as the Boston Traveller said, "a true blues singer . . . she has a voice that booms with happiness, sighs with sorrow and lilt tenderly in songs of realistic life . . ." Her concert will be a two-hour swingin' time of folk songs and traditional jazz selections.

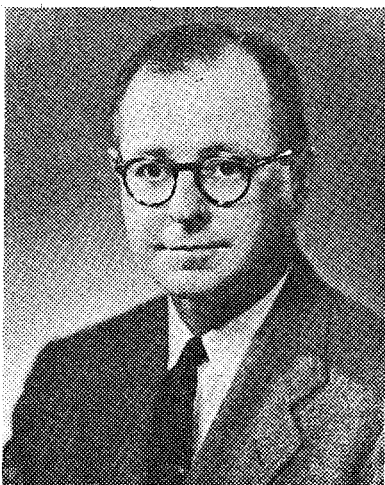
Born in Detroit and growing up there during the hectic events of the '30's and '40's, Barbara first developed a love for music through the abandoned singing in the Methodist Church she attended. This led to vocal and instrumental studies which terminated at the age of 18 when she was presented in a recital of Mozart and Bizet. It was shortly after this musical debut that Barbara was first exposed to folk music. This musical type was to become her sole form of musical expression for several years.

Leaving classical training behind, Barbara shut herself in a room with a guitar, a book of chords, a pile of Library of Congress folk records and a strong desire to forge some new musical trails for herself. Finding Detroit an unfertile field for a toiling student of folk music, Barbara moved to San Francisco which was then a crossroads for

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Barbara



Keeney

## Seniors Tie; Runoff Today

A run-off election for vice-president of next year's Senior Class will be held today between Roger Bland and Richard Drew. Balloting will take place in front of Dabney Hall from 11 a.m. until 12 noon and in the Student Houses and Throop Club from 12 noon until 1 p.m.

The first run-off held last week ended in a tie.

## Keeney To Speak; 365 Get Degrees

Dr. Barnaby Conrad Keeney, president of Brown University since 1955, will deliver the commencement speech at the Caltech graduation exercises to be held on June 10 at 4:30 p.m.

At the commencement ceremonies, 365 degrees will be conferred. There will be 70 Ph.D.s in science and engineering, and seven Engineering degrees. Thirty-four Master of Science in science and 104 M.S. in engineering will also be handed out.

The Tech class of '60 will receive 92 Bachelor of Science in science and 58 B.S. degrees in engineering.

Keeney's background is quite varied. It includes a Ph.D. from Harvard in History, a stint in the Army during World War II and service with the Central Intelligence Agency during the Korean conflict.

Keeney was born in Halfway, Oregon, and moved to Hartford, Connecticut, at an early age, where he grew up. He originally graduate with an A.B. from

North Carolina University in 1936; then he took his Ph.D. in History from Harvard in 1939, where he remained as a tutor and instructor until entering the war in 1942.

Keeney (who saw action at the Battle of the Bulge) emerged from the war with a captain's bars and a Purple Heart and joined Brown University — seventh oldest in the country — as an Assistant Professor of History. He worked his way through the ranks to a full professorship in 1951. At that time, Keeney was also serving as Dean of the Graduate School.

He went on to become Dean of Brown University in 1953; in 1955 he took over the presidency from Dr. Henry Wriston.

Keeney's literal contributions include the book, "Judgment by Peers," published in 1949, and numerous articles and reviews published in professional journals.

Keeney is presently president  
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## Editorial

### Courtesy & Keys

Each student should have received by now a letter from the Board of Control stating that master keys are in violation of the spirit of the Honor System, and requesting them to be turned in.

It is our understanding that "master key" means any key to campus property that has not been specifically authorized by the Physical Plant department or a particular division.

We agree in fact, and with the request of the letter, but we feel that a sound basis for the request is not adequately provided by that letter.

During the past year when possession of a homemade key, in itself, has not been considered by the BOC as a violation of anything, the Honor System has been used as part of a process of rationalizing a great number of actions that have nothing to do with the same code that gives us trust that there is no cheating on an exam.

During this period, the undergraduates have developed an ability to rationalize their entrance and use of many private offices and laboratories to a state of flagrant disregard for common courtesy and the rights of personal property.

This is the violation of the Honor Spirit.

Let us draw an analogy between entering a professor's locked office—or any locked room—and our own practices here in the Student Houses. We don't want people entering our locked rooms, unless they have the permission of a UCC, and our express or implied permission. If we've got a "Do Not Disturb" sign on the door, we damn well want it respected.

The faculty and Institute would have us consider all their locked doors as meaning "Do Not Disturb," and rightfully so.

In the mind of the room's owner, everything has a right to be just as he left it. An unwelcome visitor may unknowingly take telephone notes on the back of important doodles, or brush something into the wastebasket. Admittedly, we've reached for examples, but in all probability, an entered room does not go undisturbed.

Neither convenience nor the demonstration of trust in students are valid arguments for the use of a homemade master key. Both come under the heading of "rationalization." "Convenience" usually means that a student has lacked the foresight to arrange to obtain materials (or turn in a paper) in advance. In an emergency, the Campus Guard is always available, and they are very willing to help.

That the faculty should display trust in the students is true. But trust (and faith) are based upon knowledge of those with  
(Continued on page 2)

## 'Sing Low . . .'

## Folk Festival Tops Weekend



Folksingers wake Ricketts last Saturday night.

BY LANCE TAYLOR

With 25 girls and a smattering of outside talent as bait, the YMCA and Carl Rovainen sponsored the First Annual Caltech Folk Festival Saturday. For the second ACFF, they can probably afford to drop the lures, because everybody who took the trouble to show up at Culbertson sometime during the afternoon found it was worth the

effort. Of the 60 or so Techmen attending, probably the only ones who didn't like the proceedings were the videophiles evicted from their shrine in Ricketts Lounge Saturday night, in favor of "spontaneous" folk singing (see cut). (And about half of the evictees finally ended up bellowing out the mimeographed lyrics, anyway.)

Back at the beginning, though,

things began in Culbertson at 2:00 with a folk dance exhibition by Dave Carta, advanced members of his occasionally attended folk dancing class, and friends. The dances (authentic, the program said) involved exhibitions of athletic prowess beyond the dreams of Nerrie, as well as even more authenticity in the costumes: Carta looked prim and purple in his tight lederhosen, and somebody with blonde hair looked likierous in something slight, which was also black, of Swiss origin, and very low-necked.

Big hit of the Festival came while the dancers were lying recuperating in the wings. Three Scrippies, Caroly McDougal, Molly Miller, and Sue Chase, sang about half a dozen less than censored folk ditties. The three were more than interesting and sang with poise and persuasion. (Some House might consider them for cheap entertainment next year.) They were followed by a Tech talent group.

After the singing, Carta (recuperated) led a folk dancing class. This was followed by a dinner in the Houses, featuring the visiting girls and a Friday lunch transferred to Saturday  
(Continued on page 3)

# Courtesy & Keys

(Continued from page 1)

whom one is dealing. A faculty member who has no (or little) knowledge of the one or two hundred students who may have access to his office cannot be expected to trust them all.

But just as one is willing to lend access to supplies and facilities to responsible people, so is the Institute. Keys to buildings and facilities can be obtained easily, with reasonable justification, from either Physical Plant, or the department concerned.

Here then, we have the classic example of the Honor Spirit. Common sense, courtesy, and respect for private property dictate that we have no rights concerning locked Institute property.

We hope that you, with us, can see both sides of the problem; with the Institute on our side. We've no use for random keys. So let's turn 'em in.

—j & t

# Future Tech Development Outlined By DuBridge

The general outlines of Caltech's future development has been widely discussed as a corollary to the present building program.

Comparisons of the present program with the impressive fund-raising drive at Harvard were released by Mr. Charles Newton, assistant to Dr. DuBridge. The Harvard program raised 82 million dollars. However, they would have had to raise over twice as much to match Tech's program on a per student or per faculty member basis.

For the foreseeable future, physical expansion will be generally northward. The mall, which is to join the auditorium with the existing campus, will provide an axis for this new area. No specific plans have been made, but the present placing of science laboratories on the west, engineering buildings in the center, and living areas on the east will probably continue. Most parking will be at the periphery.

The campus will some day extend as far as Del Mar, although this may be decades ahead. The Institute already owns a large part of the property in this area, and informal arrangements with the City of Pasadena have reserved the land for our eventual use. There has been some discussion of closing San Pasqual, between Wilson and Hill, and adding that area to the campus as well, but this is far beyond present planning.

In an interview for the Tech, Dr. DuBridge permitted himself some educated dreaming about the future of the Institute. As to new buildings, he believes we will not see more than new graduate houses and possibly a

new engineering building in the ten years following the present building program. The undergraduate body will probably not change much in size for some time, excepting perhaps the admission of a few more junior and senior transfer students. The new buildings will allow expansion of the graduate body to 750 or 800 students.

The rapidly improving intellectual capacity of Tech students will demand frequent revision of the academic program, according to Dr. DuBridge. He said that no one has ever had such a highly select group before. It will be necessary for the faculty to break new ground in educational policies in order to meet the challenge of such a group.

The present tendency seems to be toward elimination of fixed division between fields. Dr. DuBridge feels that the future may see the combination of the sciences into a single option as is already being done in engineering.

Asked about possible expansion of the Institute's interests into new areas, Dr. DuBridge said, "We will go slow on introducing any broad new fields of study into the program. We feel that basic work in science and engineering is more important for us to do..." However, should the possibility appear for pioneering research to open up new areas — "something which is exceptionally important and which we can do exceptionally well" — the California Institute will be in the forefront of the advance. New ideas are always being explored, and any rumor about a radical plan under discussion has probably been true at one time or another.

# Scholarships

(Continued from page 1)

from their own earnings; the amount of this contribution is the same for all and is determined after information can be obtained on the availability of jobs and on average salaries. Past experience indicates that it can range from \$650 to \$850. It is immaterial whether this expected contribution is earned during the summer or term time or both. In order to leave more scholarship money for those who have longer to go until graduation, seniors are expected to take half of their need in the form of a loan or the Deferred Payment Plan. If the demand for scholarships is heavy, sophomores and juniors with grade-point averages below 2.5 may be offered a combination of scholarship and loan. The following are not eligible to apply for scholarship assistance: those who commence an academic year following a reinstatement, those who have not during the preceding year carried a full academic load as determined by the standard requirements of their options, those returning for a fifth undergraduate year.

Immediately after September 15 the Committee on Undergraduate Scholarships and Honors goes over the scholarship applications that have been submitted. Interviews with each applicant are held after registration day, and applicants are notified of the committee's decisions as soon thereafter as possible. At the time he pays his bill on registration day a scholarship applicant may if he chooses postpone payment of the amount of scholarship assistance he is requesting until after he has been informed of the committee's decision.

Holders of four-year scholarships need not make application for renewal unless they feel that they must have additional funds. It will be appreciated and will leave more money for others if they will inform the committee of any change in circumstances that would indicate a reduction in stipend.

## LOANS

Loans are available to members of all undergraduate classes, including entering freshmen. They are made upon application subject to the approval of the Faculty Committee on Student Aid and the extent of the available funds.

California Institute loan funds  
(Continued on page 4)

# Fifth Column

# Memoirs

## On the Road to Student Camp

"Blindfold Chess? I Love Blindfold Chess!!" As quickly as that, the interminable bus journey became a lofty adventure of the mind. Warily I called my opening gambit:

"Beer-bottle seven to saving-stamp four, bandaid five to fingernail two!" (I'd learned to play at home, where Grandnanny's fondness for drink had eventually resulted in foreclosure of the family chess set.)

Bruce, my new-found opponent, seemed disconcerted by the unorthodox attack I was pressing. His handsome features flushed worm-color and he scratched tentatively at the mole covering his forehead. "Hmm," he mused, "as far as I can see you've moved all your men into one square about a foot and a half off the board. Guess I win."

"Good Gracious God!" I gasped, all spittle and admiration, "you're a genius in mole's clothing. (He nodded reluctantly.) Which field of science do you intend to dominate, nuclear physics or theoretical math? (I hoped not the latter, which I had staked out for myself.)

"Neither," replied this shy, dedicated youth who was to have such profound influence on my eventual decision for Christ, "I hope to become an automatic pinsetter."

As he spoke, a thin film of mucous lent dignity to his closely spaced eyes (how could we know he would soon lose them both in an unfortunate pickle-fork accident?). At long last I had found someone who would understand the problems faced by a brainy stripling in St. Paul's toughest slum neighborhood.

"Bruce, when you were just a kid did the other kids laugh if you came to school wearing your lab smock? Did they throw erasers when you recited the flag salute and make you eat the tropical fish you'd won on Isack Walton Field Day? Did they tie you to the school ant hill and smear you with honey and dance around singing:

Teacher's Pet,  
Teacher's Pet,  
Ants gonna get  
Teacher's Pet.(!)

"Did Big Bully Bill follow you home and beat you up and beat up your uncle and your grand-

dad and your tiny sister, and smash your Lincoln Log set and burn your stamp collection and poison all your hamsters (who had been your only real friends)?"

"Now that you mentioned it," he chortled, "things were a little touchy back in third grade. That was before I got my death ray working."

The bus' sudden lurch brought my Word Book encyclopedias tumbling down on Bruce, thereby ending our rapport. "So this is Camp Radford," I hummed, leaping out on the still smoldering ashes. The brush fire had beaten us up the hill.

Next week: Freshman, Sophomore, Junior, and Senior Years.

Brad Efron

# Dramatists To Read 'Antigone'

Jean Anouilh's play "Antigone" will be presented in a reading by the ASCIT Drama Club tomorrow evening at 8 p.m. in Dabney Gardens. Mike Talcott will direct the play reading, and admission is free.

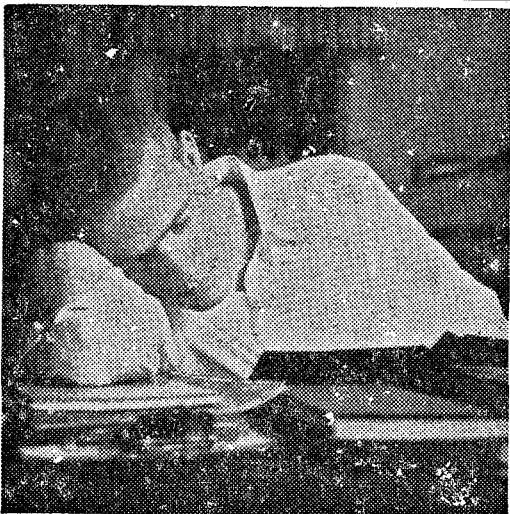
The cast includes Lois Crane as Antigone, Tami Kirk as Ismene, Fran Hamblin as the nurse, Ken Scholtz as Creon, Bill Hogan as Haemon, Bob Poe as the Guard, and Larry McCombs as the Chorus. Others in the cast are Bill Kern, Steve Langly, and Mike Talcott.

"Antigone" is a modern adaptation of Sophocles' tragedy. Other works by Anouilh include "Legend of Lovers," currently showing in Los Angeles at the Stage Society Theater, and "The Lark" and "The Waltz of the Toreadors," two recent Broadway hits.

# ACSCIT Meets

Corporation meeting of ASCIT, for the express purpose of considering a proposed amendment to the Corporation By-Laws, pursuant to Article XVII of the By-Laws of the Corporation. Said meeting will be held on Wednesday, June 1, at 8:30 p.m. on the Alles Veranda.

ASCIT Board of Directors

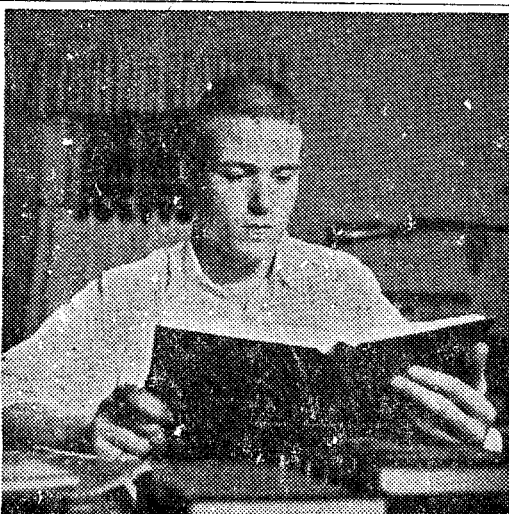


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# California Tech

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# Saucer Sightings Are Passe'; "Contacts" Count

BY MIKE TOWNSEND

The Seventh Annual Giant Rock Spacecraft Convention has been scheduled for this coming week end — May 28 and 29 — at the usual place, George Van Tassel's Giant Rock Airport in the Majave Desert. Each year thousands of the avid believers and idly curious gather there to propagate the faith.

There are two general types of stories that circulate at the convention: the sightings and the "contacts." It is easy and probably correct to gain the impression that most of the believers are that way because of some personal experience, in most cases the sighting of a flying saucer; in general their stories involve moving lights, floating blobs, fireballs, meteoric phenomena, and so forth, usually without enough detail to warrant speculations about space-ships. Few, however, are hampered by lack of detail; the careful listener at the convention will hear "What else could they be?" asked more often than anything else. But there are, of course, sightings the details of which preclude dismissal of the spacecraft question on the grounds of insufficient evidence; gratefully, these are few.

The main attraction of Spacecraft Conventions is no longer sightings, however; in contrast to the early days of flying saucer history, sightings have become passe, and one could not hope to hold the attention of an audience for long with tales of Things Seen in the Sky. Instead, the elite of the saucer world attain their status because of their "contacts" with space-people. Their accounts range from brief conversations in the desert between earthling and heroic spaceman to long tales of interplanetary excursions. Some are obviously frauds; others are hallucinations, and more must be dismissed because of blatant scientific implausibility ("The spacepeople told me, 'If the Moon was as close as the scientists say 'twas, it'd be only 'bout as big as a bushel basket.'" — Buck Neelson). Most seem to be a jumbled, neuratic combination of all three. The point that must

not be missed is that any kind of elimination process based on rationality will fail to completely put down everything heard at this or any other convention. That skepticism should prevail, of course, is hardly the critical issue.

In connection with the coming convention, we talked to Mr. Daniel W. Fry in the local office of Understanding, an organization "dedicated to the propagation of a better understanding among all the people of the earth, and of those who are not of earth." Fry is the current national president of Understanding, as well as being a reputable electronic engineer. Several years ago he wrote a book, "The White Sands Incident," which told how he had been picked up from the New Mexico desert and trucked around for a while by a spaceship; the book is partly a vehicle for Fry's rather unorthodox theories about the mechanics of the universe.

We asked him first for his personal reaction to the various "contact" stories in terms of the plausibility problem; he replied that "every man's reality is different from everybody's else's reality . . . you have to take someone else's picture of reality and adapt it to your own." Presumably, one should take with him to the convention a giant fistful of salt.

Fry considers the Giant Rock show the "biggest and best flying saucer convention . . . the daddy of them all." For those that believe, "Giant Rock itself is a symbol, a rallying point." Later, he summed up his own interpretation of the whole business: "The earth is under at least occasional surveillance by a group that could take the whole world over between breakfast and lunch." But fear not; the space people are friendly, interested in us more as dangerously precocious adolescents than as competitive peers. This feeling, in a broad sense, is shared by most of the believers; specifics differ, though, and the impression is that the philosophy developed from spacecraft experiences strangely duplicates the theological and moral axes one might expect these people to be inclined to grind.

# Commencement Speakers

(Continued from page 1)

and trustee of the American Universities Field Staff, and a member of the Advisory Board Institute for College and University Administrators. He is a Fellow of the American Academy of Arts and Sciences, a member of the American Historical Association, and a member of the executive committee of the Mediaeval Academy of America. He is also a member of Phi Beta Kappa honorary scholastic society, and, in a less formal vein, a member of Sigma Chi fraternity.

Since becoming president of Brown, Dr. Keeney has had the

honorary degree of Doctor of Laws conferred on him by Tufts, Princeton, Northwestern, Boston College, and Columbia, among others.

## CHAPLAIN

Rabbi Edgar F. Magnin, the recognized leader of modern Judaism in the Western United States, will serve as chaplain at this year's commencement exercises. The 70-year-old rabbi will enter his 45th year as director of the Wilshire Boulevard Temple, this year.

Rabbi Magnin believes that God cannot be found on a microscope slide, but in the hearts of

men. Furthermore, he insists that religion, regardless of all its trappings, is still an affair of the heart, not the head . . . not of logic and ritual, but mysticism and maturity.

Rabbi Magnin believes that the pulpit is no place for the mediocre individual, and regularly expounds this theory in speaking at colleges. He also has lectured on Jewish history to U.S.C., Brigham Young University, and Reed College.

All in all, the Rabbi believes that a man should have something to say that is based on thinking and feeling.

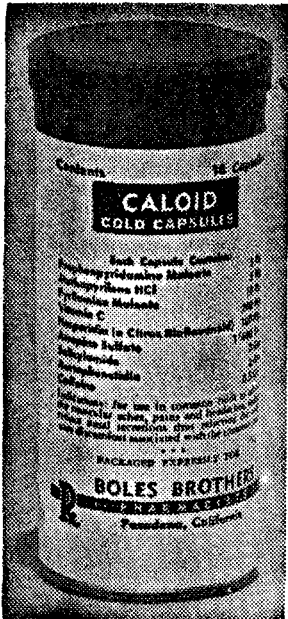
# Folk Festival

(Continued from page 1)  
evening. (Miss Cheney billed the Y for the extra "food.")

After dinner Mrs. First Name Unavailable Chase from Claremont, mother of the aforementioned folk singer Sue, traced the development of familiar folk songs from some primitive British chants. Included was a red-hot version of "Billy Boy," rendered by a supporting trio of very competent singers.

After Mrs. Chase's talk, Manley Johnson, college representative of the American Friends Service Committee, energetically sang and shouted about the development of African music (as differentiated from progressive jazz). He interpreted "Mary, Don't You Weep," and led some other spirituals.

At 9:15, surfeited with talks and demonstrations, the Folksters adjourned to Ricketts Lounge, displaced the TV watchers, and sang until midnight. Then it was all over. It really shouldn't have ended so soon.



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# Beaver Chips

By Noll

## Sportsfans' Summer Handbook

For those who will spend the summer in sunny California, there are all kinds of sports events to keep you busy. First of all, there are the Dodgers, who play screenball at the Coliseum half the time. They start a nineteen game home stand next Monday which carries almost to July.

More fun than a track meet, more exciting than a bullfight, and more sadistic than a heavyweight title match, the Boston Kennedys tackle the St. Louis Symingtons in a best 763 out of 1524 match at the sports arena later in the summer—and the sports arena is a fitting place.

For the doers (as opposed to lookers) there are leagues of every kind in the summer. Industrial basketball, softball, baseball and even polo are widely played. If you are interested, contact either the Chamber of Commerce, the YMCA, or some of the local businesses that sponsor teams. Even the local churches have a softball league. All the bowling alleys have summer leagues, and will place you on a team if you apply now.

The beach can provide a lot more than playing in the surf. At several points along the coast you can rent sailboats for a nominal price—Balboa peninsula is a good place. Before you go, spend fifteen minutes learning the sailing terminology and the rudiments of the sport, as most rental places ask questions to see if you can be trusted with a boat. Sailing is really an excellent sport—if you go once, you'll probably want to go often.

Deep sea fishing is a great sport, and surprisingly inexpensive. As a rule, the farther south you go, the better the fishing and the less crowded the boats. Davy's Locker at Newport Beach is good, especially for the beginner, because his boats virtually never have bad luck. If you want to make an overnight trip of it, drive to Oceanside, about 80 miles from Pasadena. The boats there are much less crowded than those from the LA area, and Oceanside fishermen consistently catch more fish than any other group on the coast. With about one-third as many fishermen going out from Oceanside as Newport or Long Beach, Oceanside always yields about the same total catch.

A great weekend trip is to Ensenada, Mexico, about 45 miles south of Tijuana. The fishing there is excellent, and the boats are deserted compared to any other place. And the rates are much less. A weekend in Ensenada shouldn't cost you more than \$30.

## Late Summer Specials

Come August, several special events will grace the scene. First, on August sixth, the new American Football League makes its debut with the Los Angeles Chargers playing the New York Titans. It ought to be an interesting, if not good, game. Then one week later, the Rams open their season with the annual Los Angeles Times Charity Game with the Washington Redskins. The Rams sport a new coach and a new general Manager, former Rams Bob Waterfield and Elroy Hirsch, and should put on a good show, if Arnett and Matson can stop fumbling long enough.

In early July in Palo Alto, the United States Olympic Trials will provide the highlight of the summer. There ought to be great contests in the shot, the sprints, the pole vault, and the broad jump, as in each of these events a handful of men have beaten the Olympic qualifying standards. It will probably be the best track meet ever held in the US.

Next time you're in Tijuana, pay a visit to the Fantan Palacio and see a jai lai game. This is one of the most exciting sports in the world. It is like squash or tennis, but is faster and requires much more skill. It is probably Tijuana's second best sport. . .

# Walsh, Newman And Blakemore Named To Conference Team

Center fielder John Walsh was named to the first team of the all-conference baseball team for the third time in as many years. He was the only Caltech man on the first team although Fred



Newman and Dave Blakemore made the second team. Walsh hit .375 to get the third highest batting average in the league, and he hit one home run. (Last year, he hit .493 to lead the league in batting.) Fred Newman had what was for him a bad year. Making first team all-conference in basketball and soccer this year, and having made first string all-conference baseball in 1957 and 1958 (Newman did not play last year), Fred had to be content with being named to second string short-stop this year. Dave Blakemore showed real improvement this year, though. He was named to all-conference second team, which is quite a feat for a pitcher.

# Darb Athletes Head Spring Awards List

Dabney emerged the undisputed athletic champion of the student houses at the awards banquet held last night at Tournament Park; thus wresting the unofficial, but important, title from Fleming who has held it since the houses were first formed.

The Darbs won the Interhouse Trophy which is given for the best overall standings in the interhouse athletic competition. The final standings were Dabney 170, Ricketts 135, Fleming 130, Blacker 92½, and Throop 37½.

They literally walked away with the Discobolus Trophy, amassing 23 points to 8 for Ricketts, 5 for Blacker and Throop, and 4 for Fleming.

And they won the Interhouse Rating Trophy, given annually to the house who makes the greatest contribution to intercollegiate athletics. This trophy has been won every year since 1931 by Fleming who previously had been known as the "athletic" house, but this year, Dabney had more men out for intercollegiate sports.

## HONOR KEYS AWARDED

In addition to interhouse athletic awards, the Goldsworthy "snake" Trophy, the Letter Awards, and the Honor Keys and Certificates were also awarded.

Honor Keys were awarded to 16 Caltech students on the basis of participation in extra-curricular activities, of which nine were to men who had not received the award before. Honor Certificates were awarded to 21 men.

Letters and sweaters were awarded in five varsity sports. Fourteen of the conference champion swimming team were awarded letters and Pete Rony was elected honorary captain. There were eight tennis awards and David Butterfield and Carl Morris were elected co-captains. There were fifteen awards in track and Lannes Purnell was named honorary captain. Dave Blakemore was named captain of the baseball team, and twelve men received letter awards. Jim Sorenson was the captain of the golf team, of which eight men received awards.

# Scurvs, Darbs Tie In Bridge

Dabney and Ricketts, both with second night spurts in the two-night tourney, tied for first place in the Interhouse Bridge Tournament. The two will play off the tie this week. Ricketts, defending champion, was mired in the middle of the standings at the end of the first night's play, while the Darbs were tied for second.

The Dabney team, which included three seniors, played consistent, experienced bridge, while the Ricketts players, with but one senior, played somewhat more aggressively. Pedro Bolsaitis, Dave Bailey, Bill Tivol,

# Barbara

(Continued from page 1)

modern-day wandering minstrels. Established as a folk singer (she sang in the Newport Folk Festival) it was not until a well-known musician urged her to try the blues that Barbara started on the road that in just two years has put her "right in the forefront of the movement to resume consciousness of American Blues tradition," as reported in a recent issue of Downbeat. Ebony magazine (which chose Barbara as the subject of their first feature story on a non-Negro female) expressed the sincere belief that "Through this pale-faced young lady, a lot of dark-skinned people hope to keep the blues alive."

Barbara has appeared on many TV shows among which have been "Stars of Jazz" and the "Timex Jazz Spectacular" with Louis Armstrong. She has thrilled many at jazz festivals (including the Tech festival a year and a half ago) and has "made" nightclubs from New York to the Ashgrove in Hollywood. As the Baltimore Sun puts it, "This girl is doing something in singing that nobody else does or even tries any more."

# Scholarships

(Continued from page 2)

are available in amounts not to exceed \$500 in any one year and a maximum of \$2000 during undergraduate residence.

Federal loans under the National Defense Education Act are available in amounts not to exceed \$1000 for any individual in a single year up to a total of \$5000. The borrower must demonstrate financial need, must be an above-average student and must be willing to sign a loyalty oath and an affidavit that he neither believes in, is a member of or supports any organization that advocates overthrow of the United States government by violence or any illegal or unconstitutional means.

To the extent of available funds, students who wish to borrow and who meet the stipulated requirements will be given their choice of the foregoing sources of loans.

## DEFERRED PAYMENT PLAN

In addition to loans, there is available a plan under which any student in good standing may defer up to \$1000 of his college bills each year to a total of \$4000 and may pay the deferred portion in installments after the graduation of his class.

Loans and the Deferred Payment Plan may not be used in combination and the total that may be borrowed or deferred may not exceed \$1000 in any year.

John Wilkinson, and sub John Bard made up the Dabney squad. Ricketts used Len Maley, Doug Smith, Marty Hoffman, Roger Noll, Pete Kastan and Bob Ruby. Each house enters two teams but can switch personnel at will.

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