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 1964-65 academic year should obtain a scholarship application form from the Admissions Office, 122 Throop, before leaving for summer vacation. This form must be filled out by the student's parent 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 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 the exceptions in individual cases. Some of these rules are as follows: no available scholarship money is left unused. Parents are requested to fill out the scholarship application form and to expect an ex- ample amount consistent with income, assets and number of dependents. Students are expected to contribute in addition to

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 straggling 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 indicate, she has a voice that booms with happiness, sighs with sorrow and lilts tenderly in songs of realistic life...

Her concert will be a two-hour swingin' time of folk songs and traditional jazz selections.

In Boston and growing up there during the halcyon days of the '30s and '40s, 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 he became a member of the Boston Traveller said, "a true blues singer... she has a voice that booms with happiness, sighs with sorrow and lilts tenderly in songs of realistic life...

At 8:00 p.m. tonight, she will take the stage to sing songs of love and social and political issues in traditional and contemporary settings. The concert will consist of an exciting blend of traditional folk music and contemporary social issues.

This concert is sponsored by the Student Activities Committee and is part of the First Annual Caltech Folk Festival. The festival will continue through the weekend, featuring various folk musicians and groups.

(Continued on page 4)

Folk Festival Tops Weekend

BY LANCE TAYLOR

With 25 girls and a smattering of outside talent as bait, the Young Women's Association 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 walk down to 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 program were the faculty members, who were evidently from their surprise in Ricketts Lounge Saturday night, in favor of "spontaneous" folk singing (see cut). (And about half of these people are not busy listening, anyway.)

Back at the beginning, though, things began in Culbertson at 200 with a folk dance exhibition by Dave Carter, advanced members of his occasionally attended folk dancing class, and friends. The dancers (authentic, the program said) included ex-husbands of athletes, villagers beyond the dreams of Nerrie, as well as even more authenticity in the costume: Carter looked like a purple and purple in his tight kirt and mask, and somebody with blonde hair looked better than with nothing at all black, of course, or even just. TheBig Bit of the Festival came during the intermission: a love re- erected in the wings. Three Serpentes, Carolyn McCalmon, Molly Miller, and Sue Chase, sang about half a dozen more than recorded folk ditties. The three were more than interesting and singing with pace and persuasion. (Some House might consider them for cheap entertainment at some other time.) They were followed by a Tech talent group.

After the singing, Carter (re- created) led a folk dancing class. This was followed by a dinner in the Houses, featuring the best folk girls and a blackened luncheon transferred to Saturday (Continued on page 4)

The End of the Ricketts Rag in Fact...

Barbara Keeney To Speak:

365 Get Degrees

Dr. Barnaby Conrad Keeney, president of Brown University since 1959, will give 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 M.S. in engineering. The Tech class of '60 will receive 104 Bachelor of Science in science and engineering degrees.

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, moved to Hartford, Connecticut, at an early age, where he grew up. He originally graduate with an A.B. from North Carolina University in 1938, then 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 in the war with the Austrian's bars and a Purple Heart) joined Brown University — seventh oldest in the country — as Assistant Professor of History. He worked his way through the ranks to a full professorship in 1954.

Last year he was also serving as Dean of the Graduate School.

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Singing Low...

Seniors Tie; Runoff Today

An runoff election for vice-president of next year's Senior Class of the Associated Students of the California Institute of Technology was held today between Roger Island and Richard Drew. Island led 411 to 112 in the Student Houses and Throop Club runoff at 11:00 p.m. and in Student Houses and Throop Club at 11:30 p.m.

The first runoff held last week ended in a tie.

Editorial

Courtesy & Keys

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

It is our understanding that "muster 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 implementing a great number of actions that have nothing to do with the academic 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 System.

Let us draw an analogy between entering a professor's locked office or classroom 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 to mean something. 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 it is left. An unavoidable visitor may unknowingly take telephones notes on the back of important doddles, 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 were considerations for the use of a homemade master key. Both come under the heading of "rationalization." "Convenience" usually means that a student has locked the foresight to arrange to obtain a key, and "rationalization" is the modern phrase for "protesting by peers." Published in 1949, and numerous articles and reviews published in professional journals.

Keeney is presently president. (Continued on page 3)

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Scholarships
(Continued from page 1)

from their own earnings; the amount of this contribution is limited to $2500.

Here we have, then, the classic example of the Honor Spirit. Consider, 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; not with our Institute on our side. We've no use for random keys. So let's talk it in.

Future Tech Development Outlined By DuBridge

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

Comparisons of the present programs with the historical fund-raising drive at Harvard were made by Mr. Charles Newton, assistant to Dr. DuBridge. The Harvard program raised $28 million dollars. And, if we were to have had to raise over twice as much to match Cal-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 campus with the existing campus, will probably be a very low building. It will provide an axis for this new expansion of science laboratories on the periphery. The City of Pasadena has 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 owns no property as a part of the property in this area, and the long-range fact that the City of Pasadena has 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 addition of more junior and senior transfer students. They will allow expansion of the graduate body to 700 or 800 students.

Inexpensively 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 broad range of educational policies on order and he informed the committee's decision. The faculty will be necessary for the faculty to break new ground in educational policies on order to meet the challenge of such change.

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 scientific single option as is already being offered.

Institutions could expand and allow possible expansion of the Institute's interests into new areas.

The new buildings will be in the center of campus and in science and engineering is more important for us to do... However, should the possibility appear for pioneering research to open up new fields, 'something which is exceptionally important and which we can do exceptionally well,' the California Institute will be in the forefront of the work because there are always being explored and any rumors about a radical plan under discussion 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 addition of more junior and senior transfer students. They will allow expansion of the graduate body to 700 or 800 students.

On the Road to Student Camp

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

"Bee-tower seven to saving stamp four, bandaid five to fingernail two." (I learned to play at home, where Grandman and I had pawns for drink home. It was finally resulted in foreclosed of the family chess set.)

"Queen, behind oppen, seeming disconcerted by the unorthodox attack I was press." His eyes lit up. "I smashed worm-colored and be shocked tentatively at the mole covering his forehead. He must, "as far as I see you've moved all your men into one square about a foot and a half of the board. Gauz I win."

"Good Gracious God!" I gasped, all spittle and admiration, "you're a genius in mole's clothing. (He understood my science field of science do you intend to dominate, nuclear physics or the optical math? (I hoped not the latter, which we had staked out.)" NoDoz is faster, handier, more reliable. Buy some..." Dr. Noll was a very popular speaker.

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

As he spoke, a thin film of morals lent dignity to his close- by space eyes (how could I know we would soon lose them both in an unfortunate pickle- fork accident?). At long last I had found someone who would understand the immense solemnity of a briny striping in St. Paul's toughest slum neighborhood.

"Brice, when you were just a kid did the other kids laugh when you came to school wearing your lab smock? Did they throw erasers when you rectified the lab and stole your lunch every noon and make you eat the trash?"

"Well, NoDoz, I'll probably be late. Play safe. Keep 4..." I was interrupted.

"Get Antigone!"

Jean Anouill's play "Antigone" will be presented in a reading by the ASCIT Drama Club this evening at 8 p.m., Thursday, May 26, in the Cal-tech Auditorium. Mike Taltok will direct the play reading, and admission is free.

The cast includes Lois Crane as Antigone, Tami Kirk as Ismene, Frank Bambino as the nurse, Ken Scholts as Creon, Bill Hogan as Haemon, Bob Bunt, Mike Taltok, and Larry McCombs as the chorus. The others in the cast are Bill Kern, Steve Langley, and Mike Taltok.

"Antigone" is a modern adaptation of Sophocles' tragedy. Other works by Anoull include "Loves of Lovers," currently showing in Los Angeles at the Stage Society Theater, and "The Lark" and "The Waltz of the Turdukes," 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 Allen-Yezemik.

ASCIT Board of Directors

Does you students for exams make you want to zzzz-zzz?

If hitting the books ever makes you droopy, NoDoz is the quick waker-upper. NoDoz has an accurate amount of safe stimulant to keep your mind and body alert and keep? It's easy to use. How? With caffeine—the same pious stimulant in coffee. But NoDoz is stronger, more reliable and he good company. Millions of times a year NoDoz helps busy people keep alert and awake.

P.S. When you need NoDoz, it's probably too late. Play safe. Keep a supply handy.

NoDoz, the safe stay awake tablet—available everywhere!
By Mike Townsend

The Seventh Annual Giant Rock Spacecraft Convention has been scheduled for this coming week end — May 28 and 29 — at Tassel's Giant Rock Airport in the Mojave Desert. Each year thousands of the avid believers 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, nay phenomena, and so forth, usually without enough detail to warrant speculations about spacecraft. 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 Convention 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 articulates its status because of their "contacts" with spacepeople. Their accounts range from brief conversations in the desert between earthlings and alien space travelers to interplanetary excursions. Some are obviously fraudulent; others are harrowing experiences that cannot be dismissed because of blatant scientific implausibility ("The spacecraft told me, 'If the moon was as close as the scientists say 'twas, it'd be only just as big as a bushel basket.' — Buck Nelson). Most seem to be a jumbled, neurotic 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 with 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 present 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 spacecraft; 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 "contacts" stories in terms of the plausibility problem; he replied that "every man's reality is different from everybody's else reality . . . you have to take someone else's picture of reality and adapt it to your own." Hence, he contended, 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 of the future." 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 control of the whole world over between breakfast and lunch." But fear not; the space people are friendly, he insisted, and will notice a delighted interest in us more as dangerously precocious adolescents than as competitive peers. 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.

You can reproduce the experiment. It's easy as T. (Yes, you can do it in the bathtub.) Assuming that you have just visited your friendly tobacco plant, simply light your first Winston and smoke it. Reasoning backwards, if it's why Winston is America's best-selling cigarette, is that the nicotine in the tobacco is not lost, but that the cigarette is more satisfying than other brands. Perhaps both are true. But if you suspect that your smoking habit is a bad one, you may find that beginning with a Winston will give you a desire to stop. And if you ever have to explain to someone why you started smoking, or why you smoke, a Winston will be a good start because it tastes so good and you don't have to feel guilty.

"Eureka! Winston tastes good... like a cigarette should!"
Barbara
(Continued from page 1)
modern-day wandering minstrels. Established as a folk singer (at the 19th Annual Folk Festival) it was not until with a well-known musician urged upon the stage, the blues Barbara started on the road that in just two years has put her "right hand" in the "open" and "open" to resume consciousness American music as it is now reported in a recent issue of Downbeat. E b o y magazine which chose Barbara as the subject of their first feature story on a non-Negro folk singer and blues has been known as the "athletic" house, but this year, Dalney had more men out for intercollegiate sports.

HONOR KEYS AWARDED
In addition to intercollegiate athletic awards, the Goldwyn "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 11 men.

Letters and annals were awarded in five varsity sports. Fourteen of the conference championship swimming team were awarded letters and Pete Royce was elected honorary captain. There were eight tennis awards and David Broder and Carl Morris were elected co-captains. There were fifteen awards in track and field and Allan Purcell was named honorary captain. Dave Blakemore was named captain of the baseball team, and twelve men received letter awards. Jim Robinson was the captain of the golf team, of which eight men received awards.

Scholarships
(Continued from page 2)
are available in amounts not to exceed $30,000. A student may pay the full amount due and may withdraw at any time.