Tuition Rates Will Increase in 1962

Dean Strong strongly urges all freshmen to attend the following meetings in which divisional advisors will discuss various aspects of careers in their fields.

Following the general meetings, students may arrange individual conferences with the opinion consultants listed below:

**Mathematics:**
- Thursday, April 6, 11:00 a.m.
- 206 Dabney.
- Consultant: Professors Hall and Fuller.

**Chemistry and Chemical Engineering:**
- Thursday, April 6, 11:00 a.m.
- 22 Gates.
- Consultant: Professors Anson, Curreron, and Waser.

Margaret Mead To Discuss Sex, Sociology In April

Margaret Mead, the YWCA's second leader of America this year, will arrive at Caltech April 11 for a three-day round broadening campus culture. During her visits here, Dr. Mead will talk about sex, sociology, and a wide variety of other topics. To this end, she will deliver two full-dress lectures, hold several seminars of office hours, and participate in assorted discussion groups.

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Editorial:

Rotation

The Editors do have some points to make concerning the recent decision of the Faculty Committee on Student Houses against rotation next year. However, as we believe a fair presentation will require more ‘investigation time’ than was available within this issue’s schedule, we will withhold comment until next week.

—bell
benson
moito

Letter To The Editor

HUAC Riot Records

Available

Robert H. R. Walter, a member of the California Bar. Copies of the recording may be obtained at $2.00 each or three for $5.00 from SLATE, P.O. Box 803, Berkeley 1, Calif.

Karl Knapp
Class of 58 and MF
Grad Student

3 Named As
Wilson Fellows

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Caltech winners are: Bill Bauer, chemistry; Larry Brown, mathematician; and Richard Poser, mathematics. An honorable mention was awarded to Michael Schwach, physics.

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Musical Notes

EAST, WEST COASTS INFLUENCE JAZZ

BY BARRY MORITZ

Every so often, if not more so, a certain question floats around jazz circles, as will be verified by the men of one of our in- durious Student Houses. The main point is the so-called "continental divide" of American jazz. Just what is it, really, and does the terminology East Coast and West Coast jazz have any real meaning?

Perhaps, just a few years ago, these terms would have had valid and just cause for exist- ence. Today, however, in the time of the John Coltrane-Gilles- jeta, hi-fi tapes and records, video, and improved audio, the meanings of these terms have lost their identities. It might at this time be best to consider these geographical zones as schools, comparing them as one might compare the Ivy League with Tech, for example.

When we compare a West Coast man such as Art Pepper with an East Coaster such as Sonny Rollins, we can hardly compare them on an interpreta- tion or musical basis, but must refer instead to their initial schooling.

Although there remain a few certain characteristics that are referred to as Eastern or Western, the nationwide trends towards mobilization of artists has caused each school to borrow from the other. A man such as John Coltrane-Gilles- jeta, for example finds his hard-swinging counter- part in the West's Shorty Rogers.

So what are we to conclude? Most simply that a few years ago the East Coast and West Coast were separated by a dif- ference of interpretation. The East Coast was the stdiceham- mer, driving jazz, while the West Coast depended on har- monic chords and fugues (Gerry Mulligan). Today, however, in most cases we see the influence of one group has on the oth- er. There is no longer a solid Continental Divide, but only two schools, in which we find regis- tered musicians of both sides of the country.

Usually, however, words cannot convey the meaning of jazz half as well as the music itself; so, I would like to list a few comparative tests that can be made with various artists, show- ing the various characteristics of the two schools.

A good, highly recommended album on Riverside is The Can- nonball Adderley Quintet at the Lighthouse. Cannon ball and his brother Nat date back in jazz to the Village Vanguard in New York and various Philly hang- outs. The things to listen for in this album, besides just sit- ting back and enjoying some very tasty jazz, are in "Aval Scrape," an original by the Eng- lish pianist Vic Feldman. "Amul Scrape" is characterized by the fast-swinging drive and the ex-otic chord progressions that mark his visitation to the two schools.

The West Coast drive is found in Shorty Rogers' Express album on RCA. The Eastern in- fluence is shown particularly in "Home With Sweets," despite the fact that the personnel of the band includes such Western greats as Shelly Manne, Jimmy Gilduff, Shorty, and Milt Bern- hardt. "Sweets" is H. R. - currently record reviews, news and ideas, like today's. Right now, a little of each - current record reviews, news and ideas, like today's. Right now, a little of each.

Big news on the current Los Angeles jazz scene is the Art Farmer — Henry Clinton jazz- tet (of "Killer Joe" fame) at the Zebra Lounges. Highly recom- mended. Also, Ben Webster can be found at the Renaissance, and Terry Gibbs' big, big, big band, at the Summit. For the Miles Davis fans, there is a concert scheduled at the Shrine Auditorium tomorrow night.

"Snooze" for now. Above all, it would be much appreciated if we could hear a bit from you all on what you want to hear about — current record reviews, news about who's in jazz and who's where in L.A., or con- temporary ideas, like today's ex- pose. Right now, a little of each is planned, so if any ideas are available, let us know.

Brewins

POP PERFORMS; ENGINEER ENVIROUS

Picking up date in borrowed car, trail fumbles with ring to find ignitions key. After many trials correct key is located, in- serted in lock, but doesn't turn same. Fretful efforts of jiggling and two hand grips produced no better results. Skirt's father, coming to rescue, in one easy motion flicks key and starts motor. Troll too red-faced to expond on mechanical abilities.

ELVIS EMIGRATES;
TAKES TREASURES

Boy tough enough makes scene by borrowing records, books, and money few days before spring break. Even has friends get money from friendly Y. Last heard from in Great Nook, N.Y. Plans do not include return to Tech.

WINGS WEAK; OWL HOWLS

Birdman Solly, remembered for familiarity with second- ary ledger on old Student House, seen up to old tricks on second level of Thrup House. Carried away with sport, Solly makes like bird but flies not. Spectators carry defleshed friend to sick-bay.

TIMING TERRIBLE; JOKE JUMPED

Floyd twitch's serene med- itation is broken by realization that job interview had begun some 10 minutes before. After record-three minutes changes from grapevite to suit and dash to placement office, he finds that it's still has plenty of time. In- fact, he is just 13 minutes short of being exactly seven days early. Twitch last seen, puzzling over mysteries of Gregorian cal-endar.

SLEEP SOOTHES WHILE WRENCH WIPES

Random Phlegm's daily life made miserable by lack of loved one who resides many miles away. Daily letter hardly seems to help. Unable to return home for spring break, hero collapses into despondent sleep. Helpful housemates rouse him from same and deliver his sleepy frame to RA's suite. There he enacts all-time classic twitch as he discovers that in true hearts and flowers fashion, troops had brought his quail to him.

Gratia Arts

(Continued from page 3)

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© Liggett & Myers Tobacco Co.
Folksing. The Berkeley Medallion Edition (and singable songs, the former for more in other editions) contain a large number of good, collection include many of the known around Tech is Dick and Burl Ives Lonesome Traveler.

So one is forced to turn to folk music books. There are several cheap paperback folk song collections that are worth mentioning. Perhaps the best known around Tech is Dick and Beth Best's Song Fest. Selling for $1.50, Song Fest has a number of good folk song collections among the Sunday School Camp songs. Selling for 50 cents in the Berkeley Medallion Edition (and for more in other editions) is Folkling. The 150 songs in this collection include many of the Weavers favorites such as: Follow the Delilah's Guard and Lonesome Traveler. The Burl Ives Song Book and Burl Ives Sea Songs, both Ballantine books, and both cheap, contain a large number of good, singable songs, the former having piano arrangements if you are interested. Unfortunately, a number have been written in easy keys for the piano, Eb and Gb, which, as any guitarist will tell you, are hell on the guitar. Of course, you can transpose to a more useful key like E or C.

Along this line, I have found a real simple scheme for transposing songs. Called the chain of chords, it goes like this:

C Eb Gb D Bb A
Ab E Db B F G

To transpose all you have to know is the chain of chords is symmetric around each chord. For example, if you want to transpose from Ab to C, every Ab chord will obviously become a C chord, an Eb chord (one clockwise of Ab) becomes a G (one clockwise of C), etc.

Two more paperback folksong collections, not so well known but very good, are The People's Songbook and Lift Every Voice. The best available sources for the amateur folksinger, however, are two hard-bound (and expensive) books by members of the famous folksong-collecting Lomaxes. The first, by John and Alan Lomax, The Folk-Songs of North America. The new volume has three times as many songs (500) and costs only 75 per cent as much ($7.50) as the older work. The songs are for the most part new, and a great number are in modal minor modes (which I personally find fascinating). As an added attraction, each song is keyed to an appendix which names and describes an appropriate guitar or five-string banjo strum to use with the particular song. The appendices are excerpts from Alan Lomax and Peggy Seeger's Folk Guitar Instruction book and Peggy Seeger's The Five-String Banjo. Both are good books but a little off the subject. In summary, a number of good folk-song books are available to the interested amateur folksinger (many more than I have mentioned here) and they offer one of the best ways of building a repertoire.

The amateur folksinger at Tech must rely on outside sources, not to mention the equipment to play them on. Unfortunately, to gain a large mental techniques that seem to be important to the amateur folksinger, however, are two hard-bound (and expensive) books by members of the famous folksong-collecting Lomaxes. The first, by John and Alan Lomax, The Folk-Songs of North America. The new volume has three times as many songs (500) and costs only 75 per cent as much ($7.50) as the older work. The songs are for the most part new, and a great number are in modal minor modes (which I personally find fascinating). As an added attraction, each song is keyed to an appendix which names and describes an appropriate guitar or five-string banjo strum to use with the particular song. The appendices are excerpts from Alan Lomax and Peggy Seeger's Folk Guitar Instruction book and Peggy Seeger's The Five-String Banjo. Both are good books but a little off the subject. In summary, a number of good folk-song books are available to the interested amateur folksinger (many more than I have mentioned here) and they offer one of the best ways of building a repertoire.

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Pioneered and developed by the Lighting Products Division of our subsidiary, Sylvania, this dramatic new light opens up almost infinite product possibilities in sight communication. Already it is being used for clock faces, radio dials, auto instrument panels and road signs. And, through the development of an ingenious "cross-fight" design, electroluminescent panels are now capable of reproducing alpha-numeric "read-outs" for electronic computers. This achievement, in fact, may one day lead to "flat wall" TV.

It is another example of the way General Telephone & Electronics coordinates the scientific and engineering leadership of many divisions in order to make communications progress on all fronts.
Baseball Prospects Not Bright; Team Beaten On Road Trip

BY BOB LIEBERMANN

On Tuesday, March 28, Coach Ed Freisler's varsity baseball team took the field in their first conference game with Claremont-Harvey Mudd. The outlook for the coming season is rather bleak and the morale of the team is low, but the squad is improving steadily and by the end of the season should develop into a cohesive and balanced unit. It will be difficult to fill the gaps left by graduation last year. However, several men up from last year's freshman team show promise and Bill Palke has stepped into the catching slot.

The diamond nine has just completed a four-day road trip to the San Diego area over spring vacation. They opened the trip with a game at the Naval Training Center. The NTC team, bolstered by a recruited Air Force pitcher, won handily, 13-2. Dave Barker, sophomore hurler, pitched his first varsity game for Tech. On the following day, the Techmen lost, 1-4, to Cal Western with Marty Hoffman handling the mound chores. On Friday, catcher Bill Palke took the mound against USC in order to give Coach Freisler's beleaguered and scant pitching core a brief respite. The Sailors again emerged victorious, 6-0. On Saturday, Barker held the Naval bats silent for six innings; long enough for the Beavers to build up a substantial lead and win, 16-6. The Tech team garnered nine hits, their largest game output thus far this season.

The road trip was not a success in the victory column, but the games provided Coach Freisler with an opportunity to experiment with various line-ups and the players a chance to gain valuable experience working together as a unit.

John Arndt and Skip Stenbit, lettermen from last year's varsity team, led the team in hitting on the San Diego trip; Stenbit was one of the leading home-run sluggers in the conference last season and his bat is counted on heavily this year. The team was handicapped last week by the absence of Captain Buzz Merrill from the lineup. Merrill, one of the team's leading batters and a stalwart of the pitching staff, is expected to return to the starting line-up if his pulled muscle responds to treatment. Despite the continuous baring, there is still plenty of light and spirit extant in the Beaver nine.

Decidedly not. In fact most market executives are on the ground. Of course, all officers may apply for pilot and navigator training if they meet the eligibility requirements. There will always be a need for piloted aircraft. And it is foreseeable that in your working lifetime, there will be piloted spacecraft—piloted and navigated by Air Force officers.

But right now, there is also a big future for college-trained Air Force officers on the ground. New and exciting technical jobs are opening up. Important administrative positions must be filled as World War II officers move into retirement.

How can you—a college student—become an Air Force officer? First, there's Air Force ROTC. Then for college graduates, men and women in certain fields, there is Officer Training School. The graduate of its three-month course wins a commission as a second lieutenant. Other ways are the Navigator Training program, and the Air Force Academy.

Some benefits that go with being an Air Force officer: Starting salary plus allowances compare with the average in equivalent civilian jobs. Then there's free medical and dental care, thirty-day vacations, the chance to win graduate school Air Force expense, and liberal retirement provisions.

No, Air Force officers do not need wings to move up. There's plenty doing so. Perhaps you could be one of these young executives in blue. Ask your local Air Force Recruiter. Or write, Officer Career Information, AFBSC, Box 7608, Washington 4, D.C. If you want further information about the navigator training or Officer Training School programs.

U.S. Air Force

There's a place for professional achievement on the Aerospace Team.

Gratia Artis

(Continued from page 3)

have a few of his scrapers.

What sets this film apart from a good Hollywood comedy? First, "Never on Sunday" is peopled by human beings such as one might well expect to meet on the streets and bars of Piraeus. The characters in an American movie are, even if played by very good actors, still look and behave like very good movie actors. Secondly, the picture comes to life with a host of zestful, realistic physical actions. Whenever the screen shows a mob of people, joyous or enraged, a feeling of unbridled vitality is created by the witter of interest- ing detail. Such character is most of his own individual as- signment; he never loses his identity to the mob. And so the unrestrained dances and fights in the café, the aquatic orgies, and the horseback races . . . all become masterpieces of phys- ical vitality.

And finally, "Never on Sun- day" manages to deal with the angry subject of prostitution without the dreading leer of the expose nor the long, sincere face of the social document.

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Do all Air Force Officers have Wings?

I bring up the population explosion not to alarm you, for I feel certain that science will ultimately solve the problem. After all, this century in recent years has brought us such marvels as the transistor, the computer, the laser, and the MarlinScope. Oh, what a coup of science was the development of the MarlinScope! Oh, what a heart-rending epic of endless trial and error, of dedication and perseverance! And, in the end, what a triumph it was when the MarlinScope emerged after years of testing and discarding one filter material after another—iron, nickel, lead, tin, antimony, sponge cake—finally emerging, tired and happy, from their laboratory, carrying in their hands the perfect filter cigarette! What rejoicing there was that day! Indeed, what rejoicing there still is whenever we light a Marlboro rather than a Dalmatian, can one?

BOOM!

Science will ultimately solve the problem.

Today, foregoing levity, let us turn our keen young minds to the No. 1 problem facing American colleges today: the population explosion. Only last week four people exploded in Cleveland, Ohio—one of them while carrying a plate of soup. In case you're thinking such a thing couldn't happen anywhere but in Cleveland, let me tell you there were also two other cases last week—a 45-year-old man in Provo, Utah, and a 19-year-old boy in Bangor, Maine—and in addition there was a near-miss in Klamath Falls, Oregon—an eight-pound boy claimed only by the quick thinking of his cat Walter who pushed the phone off the hook with his muzzle and dialled the department of weights and measures. (It would perhaps have made more sense for Walter to dial the fire department, but one can hardly expect a cat to summon a fire engine which is followed by a Dalmatian, can one?)

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BOOM!

Science will ultimately solve the problem.
YMCA Presents
Red China Speaker

Frank Pestana, a prominent lawyer of Hollywood, will speak to the Diners' Club next Monday on Red China. Aided by slides, Mr. Pestana will describe the six weeks he spent behind the bamboo curtain. As he is one of the last Americans to travel in this area, his visit to our campus will provide interested students with a rare opportunity to have their questions answered.

Pestana, who received his law degree from Berkeley in 1939, was a lawyer for the Fair Employment Practices Commission until he entered private practice. Because of his travel he has currently been in strong demand to speak to various private groups.

The Diners' Club is a program devoted to combining the views of leading Southern Californians with a Chandler meal complete with hot fudge sundae. The meal is free to undergraduate members of the Student Houses.

It grows almost like Jack's beanstalk

To him, it's amazing. To teeming millions in crowded areas of the world, it's a new source of hope — of better food, a richer life.

For in food crops, astonishing new growth is being released by the green thumb of science.

One striking development in agriculture, for instance, is plant foods created by the people of Standard's ORTHO Division.

These plant foods come in dry pellet form... and can literally be "rainfed" on fields by plane. They can increase yields of fruit and vegetables 100%, make pastures rich enough to graze five times more livestock.

Imagine what advances like these can mean to the peoples of other free world nations. Our field men see it... working with farmers and the land in 70 countries. Poor soil becomes fertile; plants become rich in nourishment.

And this has a larger meaning... more food brings more vitality to peoples of crowded lands, a stronger economy... a healthier soil for the growth of freedom.

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